



Triton College Catalog

2012-2013

Volume XXXVII

**A public community college
Illinois Community College District 504**

**Triton College
2000 Fifth Avenue
River Grove, Illinois 60171**

General (708) 456-0300

Web site: <http://www.triton.edu> • E-mail: admissions@triton.edu

Vision Statement

Triton College is a model of teaching excellence and student success. We are a community college that embraces the educational, training and personal development needs of the diverse communities we serve through innovation in our programs and approach to learning.

Mission Statement

Triton College is committed to student success through institutional and academic excellence, and providing a student-centered, lifelong learning environment for our diverse community.

Core Values

The Core Values of Triton College are Integrity, Communication, Excellence, Teamwork and Service.

Board of Trustees

Mark R. Stephens, Chairman; Donna L. Peluso, Vice Chairwoman; Diane Viverito, Secretary; Irene Moskal Del Giudice; Thomas Gary; Elizabeth Ann Potter; Glenn A. Stam; and Minerva Fuentes, Student Trustee

President

Patricia Granados, Ed.D

General Information

Message from the President

Welcome to Triton College



Dr. Patricia Granados

At Triton, we believe in student success! We are a close-knit, student-centered learning community, affordable, and conveniently located in the suburbs of Chicago. We provide our students with the best faculty, the highest quality of education, and services that support their transfer, career, and life aspirations.

More than 15,000 students attend classes at Triton. Our student body represents the rich diversity within our college community. In order for our students to be competitive and successful in an increasingly global economy, we must ensure that multicultural values are established throughout our programs. I value diversity and believe it promotes personal growth, strengthens our communities, and enriches the educational experience of our students.

Whether you seek a certificate, an associate's degree, or an opportunity to strengthen your skills, Triton has something for everyone. We believe in the development of innovative and relevant programs and services. Our Career programs offer a pathway to enhanced employment opportunities. Several of Triton's programs, including Allied Health, Automotive Technology, and Hospitality Industry Administration, offer students hands-on clinical experience that helps prepare them for the workforce.

For others, Triton is the first step to a four-year institution. Triton can give you the consistent attention and quality opportunity you need as you begin your studies so that you can successfully transition to the college or university of your choice after two years or less, and at a fraction of the cost. We facilitate the opportunity for students to continue pursuing a bachelor's degree through our University Center. Five Universities: Benedictine, Eastern Illinois, Governors State, National-Louis and Southern Illinois Carbondale offer degree programs on Triton's campus. Furthermore, our Scholars Program provides rigorous courses that are similar to those found at top-tier four-year universities.

We value students of all ages and interests. Triton is committed to serving its entire community and is proud to promote inter-generational studies and activities, bringing together all members of our community to learn from each other. Our Children's and Senior Studies programs prove you're never too young or old to learn! Many students will explore our Continuing Education offerings to update their skills, learn more about a new field or interest, and even keep their bodies as active as their minds.

With the time demands on working adults or those with families, our scheduling options make Triton accessible to all learners. Triton offers classes at convenient locations in the community so you can attend classes easily from almost anywhere. Triton even offers students the opportunity to earn an NCA-accredited Associate's degree via the internet. Online courses put a classroom on your desk anywhere, anytime.

As you explore our catalog, you will learn much about Triton. You will see that we have an impressive selection of academic programs, which are challenging and keep pace with the evolving needs of the workforce. Whether you are seeking to transfer to a four-year institution, take a single course, or using the many resources available at the college, you will find Triton to be committed to serving its community.

Best wishes in achieving your educational goals.

A handwritten signature in cursive script that reads "Patricia Granados". The signature is written in dark ink and is positioned above the typed name and title.

Dr. Patricia Granados, Ed.D.
President, Triton College
president@triton.edu

Board of Trustees



Mark R. Stephens
Chairman



Donna L. Peluso
Vice Chairwoman



Diane Viverito
Secretary



Irene Moskal Del Giudice



Thomas Gary



Elizabeth Potter



Glenn A. Stam



Minerva Fuentes
Student Trustee
Term Ending April 2012

Arts & Sciences Transfer Guarantee

Triton College guarantees that courses approved for transfer to another college will be honored either as program requirements, general education requirements or electives. Students must develop their program of study with a counselor to ensure that selected courses are transferable. If they are not, and all provisions of the Credit Transfer Guarantee are followed, the tuition and course fees will be refunded to the student. Effective Summer 1998 for new incoming freshmen, the Illinois Articulation Initiative allows transfer of the General Education Core curriculum between participating Illinois institutions. The Baccalaureate Majors Recommendations build on the transferable General Education Core Curriculum by identifying courses in the major as well as prerequisite courses that students need to transfer with junior standing into the specific major. Triton students are encouraged to complete the associate's degree prior to transfer. To complete a guarantee, students must meet with a Triton College counselor and select courses based on the intended major and transfer institution. The student, the counselor and the Dean of Student Services will sign the guarantee. If the courses do not transfer as per the terms of the signed Credit Transfer Guarantee, the tuition and course fees will be refunded to the student.

Career Educational Guarantee

Triton College, as a demonstration of its dedication to providing exemplary programs and services, and as a reflection of its pride, confidence and accountability in education and workforce preparation, hereby guarantees that all certificate and degree graduates have obtained the skills specified in the program's course outlines. Graduates whose employers have determined they are lacking in the skills contained in the program may receive a maximum of 12 credit hours of occupational course work or up to 100 hours of specially designed instruction, free of tuition, subject to the conditions and procedures of the guarantee policy.

Conditions and Notification

To use the guarantee, the graduate will submit a letter to the appropriate dean, with appropriate documentation. The graduate must be employed in a position directly related to the program of study and must submit a letter, jointly signed by the employer, within one year of program completion certifying that the graduate is lacking entry-level skills guaranteed in the program.

- When a claim is determined to be valid, a written retraining program will be developed by the employer, graduate and program coordinator, subject to the approval of the program's dean, specifying the course(s) and/or instruction to be provided and the skills to be mastered. The college will have the option of providing retraining through regularly offered courses or by instruction specifically designed for the employee. Course prerequisites

and other admission requirements for retraining courses must be met and are not part of this guarantee.

- Instruction and remediation must be completed within one year from the time the retraining plan is agreed upon.
- Instruction and remediation will be provided tuition free. Lab fees and other costs are not included in the guarantee and said fees and costs will be the sole responsibility of the student.
- Program advisory committees validate the list of skills specified in course outlines and may participate in the development of educational guarantee retraining guidelines. In the event of a disagreement between the college and an employer regarding whether or not the student possesses the skills specified in the course outline, the program advisory committee may serve as arbitrator and will make the final determination.

The limits of the college's liability is to the retraining specified above. Additional conditions or procedures may be required in order to effectuate this guarantee.

CATALOG DISCLAIMER

This catalog contains information regarding Triton College, which is current at the time of publication. It is not intended to be a complete description of all Triton College's policies and procedures, nor is it intended to be a contract. This catalog and its provisions are subject to change at any time, and may be revised by Triton College in the future without advance notice.

THIS CATALOG IS NOT A CONTRACT.

State of Illinois General Education Core Curriculum Requirements

Effective for Incoming Freshmen as of Summer 1998

Triton College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed General Education Core Curriculum between participating institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate's or bachelor's degree have been satisfied. This agreement is in effect for students entering an associate or baccalaureate degree-granting institution as a first-time freshman in summer 1998 (and thereafter).

Contact a counselor for additional information and read about the IAI on the World Wide Web at <http://www.iTransfer.org>.

Accreditation

Triton College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

NCA-HLC may be reached at:

The Higher Learning Commission
230 South LaSalle Street
Chicago, IL 60604
Telephone: (800) 621-7440/(312) 263-0456
Fax: (312) 263-7462
e-mail: inquiry@hlcommission.org
Web site: <http://www.ncahlc.org>



Fice Code

Triton College's assigned six digit Fice Code number is 001773 as described in the Higher Education Publication.

Approvals

- Illinois Board of Higher Education
- Illinois Community College Board
- Authorized under federal law to enroll non-immigrant alien students.

Memberships

- American Association of Community Colleges
- Association of Community College Trustees
- Association of Governing Boards
- Illinois Community College Trustees Association
- National Junior College Athletic Association

The information contained in this catalog is not to be construed as part of the enrollment contract.

Affirmative Action and Title IX

Triton College reaffirms its commitment to affirmative action and equal employment for all qualified persons without regard to race, color, religion, sex, national origin, sexual orientation, disability, veteran status, age, or any other basis which is protected by law except where such characteristics are bonafide occupational requirements.

Inquiries regarding compliance with state and federal non-discrimination regulations may be directed to:

Affirmative Action Officer
Triton College, 2000 Fifth Ave.
River Grove, IL 60171

or to any of the following agencies:

1. Equal Employment Opportunity Commission
1400 L Street NW
Washington, DC 20005
–or the–
Chicago District Office
500 West Madison, Suite 2800
Chicago, IL 60661
(312) 353-2713
(312) 353-2421 (TTY)
2. Illinois Department of Human Rights
100 West Randolph, Suite 10-100
Chicago, IL 60601
(312) 814-6200
(312) 263-1579 (TDD)
3. Office for Civil Rights
U.S. Department of Education
111 N. Canal Street, Suite 1053
Chicago, IL 60606
(312) 886-8434
(312) 353-2540 (TDD)
4. Illinois Education Labor Relations Board
160 North LaSalle Street, Suite N-400
Chicago, IL 60601
(312) 793-3170
(800) 526-0844 (TDD)

Acción Afirmativa y Título IX

Triton College reafirma su cometido de Acción Afirmativa e igualdad de empleo para todas aquellas personas calificadas sin importar raza, color, religión, sexo, nacionalidad, preferencia sexual, discapacidad, edad o cualesquier otras bases, las cuales son protegidas por la ley, excepto donde tales características son necesarias como requisito de empleo.

Usted puede obtener información relacionada conforme a los reglamentos estatales y federales contra la discriminación en las direcciones mencionadas en el párrafo anterior.

Policy on Compliance with Illinois Freedom of Information Act

The Board of Trustees of Triton College acknowledges that the inspection and dissemination of public records must reflect an appropriate balance between the needs of the board for administrative effectiveness and confidentiality, the protection of the privacy of individuals and the legitimate interests of the public in receiving public information.

The Board of Trustees of Triton College hereby states its intention to comply with the provisions of the Illinois Freedom of Information Act. Information concerning Triton College, and the records of such entity, will be displayed, and

lists of records will be maintained, as required by the act. Public records of the entity will be available for inspection and copying. Compliance with the act will be effected in accordance with this policy and regulations issued to implement this policy.

Inquiries should be directed to the Marketing department.

Academic Freedom

The Triton College Board of Trustees supports the concept of academic freedom for the full- and part-time teachers of the college.

Faculty members shall be free to present instructional materials which are pertinent to the subject and level taught and shall be expected to present all facets of controversial issues in an unbiased manner.

As an individual of learning and a representative of the college, he or she shall remember that the public may judge the teaching profession and the college by his or her utterances. Hence, he or she shall exercise appropriate restraint, show respect for the opinion of others, and make every effort to indicate that he or she is not an institutional spokesperson.

College Profile

Diversity and Quality

Triton College is a comprehensive community college that serves 25 towns in the near western suburbs of Chicago. The Triton College district encompasses 63 square miles and includes over 325,000 residents.

Triton College is one of 48 community colleges in the state of Illinois. It operates under the direction of the Illinois Community College Board, with accreditation from the Higher Learning Commission of North Central Association of Colleges and Schools.

Triton College was founded in 1964 and has become recognized for its attractive, 100-acre campus, for its diverse and innovative programs and for the quality of its faculty. Triton transfer students are readily accepted into colleges and universities nationwide. Career program students learn skills that enable them to successfully compete in the job market and to make significant contributions to business and industry. Continuing education students participate in courses geared towards recreation, personal improvement, work force development, and lifelong learning.

Triton's affordable tuition and open admission policy have greatly expanded the accessibility of post-secondary education to residents of the district. Currently, Triton College serves more than 17,000 students during the fall and spring semesters with more than 100 degree and certificate programs. New educational programs and services are constantly being developed in order to meet the needs of district residents. Triton classes are offered at the main campus in River Grove, Nuevos Horizontes – Triton Community Center in Melrose Park, several extension sites throughout the district, as well as on-line.



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Academic Calendar

May 2012							June 2012						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30

July 2012							August 2012						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					26	27	28	29	30	31	

Summer Semester 2012

Feb. 13	Advanced registration begins
May 2	Aug. 2012 Graduation petition deadline
May 7	Tuition deadline for students registering Feb. 13–April 30 (deadline of five days for those registering May 1–Aug. 3)
■ June 11	Continuing Education classes begin

First Five-Week Session

Feb. 13–May 27	Registration for first five-week session
■ May 28	Holiday, no classes
■ May 29	Credit classes begin
May 29–30	Schedule adjustment (add/drop)
June 21	Last day to drop first five-week class with "W"
■ June 29	End of first five-week session
July 3	Grades due by 7:30 p.m.

Eight-Week Session

Feb. 13–June 10	Registration for eight-week session
■ June 11	Credit and GED/ESL classes begin
June 11–12	Schedule adjustment (add/drop)
■ July 4	Holiday, no classes
July 19	Last day to drop eight-week class with "W"
■ Aug. 3	End of eight-week session
Aug. 7	Grades due by 7:30 p.m.

Second Five-Week Session

Feb. 13–July 1	Registration for second five-week session
■ July 2	Credit classes begin
July 2–3	Schedule adjustment (add/drop)
■ July 4	Holiday, no classes
July 26	Last day to drop second five-week classes with "W"
■ Aug. 3	End of second five-week session
Aug. 7	Grades due by 7:30 p.m.

Summer Session final exams are given the last day of class.

Fall Semester 2012

April 16	Advanced registration begins
April 16	Tuition payment plan available
May 2	Aug. 2012 graduation petition deadline
Aug. 6	Tuition deadline for students who register April 16–July 23 (deadline of 10 days for those registering July 24–Dec. 20)
Aug. 6–25	Registration/Placement testing
Aug. 23	Dept. chairpersons return
Aug. 24	Faculty workshop
■ Aug. 27	Credit and GED/ESL classes begin
Aug. 27–30	Schedule adjustment (add/drop)
Sept. 1	Last day for 100% refund for 15-week classes
■ Sept. 3	Holiday, no classes
Sept. 5	Dec. 2012 graduation petition deadline
Sept. 6	Last day for 50% refund for 15-week classes
■ Sept. 7	Weekend College classes begin, first six-week session
■ Sept. 10	Continuing Education classes begin
Sept. 27	Last day to make up incomplete ("I") grades
Sept. 29	Last day to drop with a "W" for first seven-week classes
■ Oct. 9	Faculty holiday, no classes
Oct. 19	Mid-semester
■ Oct. 22	Second seven-week classes begin
■ Oct. 22	GED/ESL Mini-term classes begin
■ Oct. 26	Weekend College classes begin, second six-week session
Nov. 17	Last day to drop with a "W" for 15-week classes
■ Nov. 21–25	Thanksgiving recess, no classes
Dec. 4	Last day to drop with "W" for second seven-week classes
■ Dec. 17–20	Final exams
Dec. 27	Grades due by 3 p.m.

September 2012						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 2012						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November 2012						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2012						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January 2013						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February 2013						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

March 2013						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April 2013						
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14	15	16	17	18	19	20
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28	29	30				

Spring Semester 2013

	Oct. 29	Advanced registration begins
	Oct. 29	Tuition payment plan available
	Nov. 26–Jan. 22	Registration/Placement testing
	Jan. 3	Tuition deadline for students who register Oct. 29–Dec. 20 (deadline of ten days for those registering Dec. 21–May 17)
■	Jan. 18	Dept. chairpersons return
■	Jan. 21	Holiday
	Jan. 22	Faculty Workshop
■	Jan. 23	Credit and GED/ESL classes begin
■	Jan. 23–28	Schedule adjustment (add/drop)
■	Jan. 25	Weekend College classes begin, first six-week session
	Jan. 25	May 2013 graduation petition deadline
■	Jan. 28	Last day for 100% refund for 15-week classes
■	Jan. 28	Continuing Education classes begin
	Feb. 1	Last day for 50% refund for 15-week classes
	Feb. 22	Last day to make up incomplete ("I") grades
	Feb. 23	Last day to drop first seven-week classes with a "W"
■	March 15	Weekend College classes begin, second six-week session
	March 15	Mid-semester
■	March 18–24	Spring recess, no classes
■	March 25	Second seven-week classes begin
■	March 25	GED/ESL Mini-term classes begin
■	March 29–31	Spring Holiday—No classes
	April 20	Last day to drop with a "W" for 15-week classes
	April 30	Last day to drop with a "W" for second seven-week classes
■	May 14–17	Final exams
	May	Graduation—date & time to be determined
	May 21	Grades due by 7:30 p.m.

Summer Semester 2013

	Feb. 11	Advanced registration begins
	May 6	Tuition deadline for students registering Feb. 11–April 29 (deadline of five days for those registering April 30–Aug. 2)
	May 1	Aug. 2013 Graduation petition deadline
■	June 10	Continuing Education classes begin

First Five-Week Session

■	Feb. 11–May 26	Registration for first five-week session
■	May 27	Holiday, no classes
■	May 28	Credit classes begin
	May 28–29	Schedule adjustment (add/drop)
	June 20	Last day to drop first five-week class with "W"
■	June 28	End of first five-week session
	July 2	Grades due by 7:30 p.m.

Eight-Week Session

	Feb. 11–June 9	Registration for eight-week session
■	June 10	Credit and GED/ESL classes begin
	June 10–11	Schedule adjustment (add/drop)
■	July 4	Holiday, no classes
	July 18	Last day to drop eight-week class with "W"
■	Aug. 2	End of eight-week session
	Aug. 6	Grades due by 7:30 p.m.

Second Five-Week Session

	Feb. 11–June 30	Registration for second five-week session
■	July 1	Credit classes begin
	July 1–2	Schedule adjustment (add/drop)
■	July 4	Holiday, no classes
	July 25	Last day to drop second five-week classes with "W"
■	Aug. 2	End of second five-week session
	Aug. 6	Grades due by 7:30 p.m.

Summer Session final exams are given the last day of class.

May 2013						
S	M	T	W	T	F	S
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June 2013						
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23	24	25	26	27	28	29
30						

July 2013						
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28	29	30	31			

August 2013						
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Admission and Registration



Student Admission

Triton College recognizes that the community college must be available to all residents within its boundaries. All high school graduates and all others who can benefit from college programs will be admitted.

With the belief that every student should be successful, after admission, the college will provide counseling and advising to help each student determine an appropriate field of study according to individual abilities and interests.

Entry into certain programs may be restricted due to limitations in space, number of sections offered, or other considerations. If space is not available for all students who apply, the college will accept those best qualified, using pre-established criteria as guides, and will give preference to in-district students.

Admissions Call Center

The Admissions Call Center strives to meet the needs of Triton's highly diverse community of traditional and non-traditional life-long learners.

The Admissions Call Center is available to assist students, faculty, and staff with information and resources.

Some of our services include:

- Answer general college and admission questions
- Program information
- Class location/description
- Register for classes
- Faculty contact information
- Explain college tuition/fees
- Special events information

We are here to guide you and help you transition to Triton. For more information call us at (708) 456-0300 Ext. 3130 or e-mail us at admissions@triton.edu.

Residence Policy

Residence is defined as the place where a student lives and which a student intends to be his true permanent home. A student who temporarily moves into the Triton district for the purpose of attending the college at a reduced tuition rate will not be considered as having established residency within the district.

The student must meet the following criteria to be considered a resident of the district:

Occupy and/or own a dwelling in the district for 30 days immediately prior to the start of classes. Provide a photo ID and at least two forms of identification such as a driver's license, automobile registration, property tax statement, voter registration card, lease or purchase agreement, utility or telephone bill, library card or other official documentation.

A change from out-of-district to in-district status during a semester becomes effective no earlier than the following semester.

Student Right to Know

Triton College maintains a list of information, as required by federal law that is available for review by students, prospective students, and the general public, upon their request. The categories of information are shown below, and the campus location where the information is available is indicated for each.

Graduation/Completion and Transfer-Out Rates

Information is available on the numbers of degree-seeking or certificate-seeking students who complete their programs at the college. Also, the number of students who transfer out without completing their programs is reported.

This information is available at the Research Office, Room F-209, (708) 456-0300, Ext. 3565.

Campus Crime Statistics and Security Policies

The following information is available for review:

- crime statistics

- current campus security policies
- current policies for reporting campus crimes
- policies for issuing security warnings to students/ employees
- the status of allowing confidential reporting of crimes.

The Triton Police maintain a daily, written log of crimes that are reported.

This information is available in the student handbook, on the Triton College Web site, and at the Triton College Police, Room N-210, (708) 456-0300, Ext. 3203.

Institutional Information

Descriptions of the following items are available to students and the general public:

- requirements and procedures for withdrawing from the institution
- cost of attendance (tuition/fee charges, books/supplies costs)
- refund policy and summary of requirements for return of Title IV grants or loans
- current academic programs of the institution (current degree programs, educational/training programs, faculty)
- names of associations or agencies accrediting the institution
- description of special facilities and services for disabled students
- Triton’s policy on enrollment in study abroad programs

This information is available in the college catalog and at the Office of Admission and Records, Student Center, Room B-216E, (708) 456-0300, Ext. 3130, and at the Financial Aid Office, Student Center, Room B-216W, (708) 456-0300, Ext. 3155.

Annual Notification Required by FERPA (Family Educational Rights and Privacy Act regulations)

A notice and explanation of Triton's policy relating to the federal Family Education Rights and Privacy Act regulations is available.

See Privacy Act & Directory Information on page 36 section of this catalog, and at the Office of Admission and Records, Student Center, Room B-216E, (708) 456-0300, Ext. 3720.

Financial Assistance Available and Eligibility

Information about financial assistance and eligibility requirements is available, including:

- types of aid available
- application forms/procedures to use in applying for aid
- eligibility requirements
- selection criteria
- criteria used to determine amount of aid award
- satisfactory student progress standards
- how to re-establish satisfactory progress status
- disbursement methods
- loan qualifications and student employment conditions
- conditions for federal loan repayment for students who participate in volunteer services

This information is available in this catalog and at the Financial Aid Office, Student Center, Room B-216W, (708) 456-0300, Ext. 3155.

Athletic Participation and EADA (Equity in Athletics Disclosure Act) Report and Data

Information about athletic program participation and financial aid programs is available. Enrollment data about Triton athletes is provided, as well as information about Triton's Intercollegiate Athletics programs. Triton is a member of the National Junior College Athletic Association (Region IV).

This information is available at the Athletic Office, Robert M. Collins Center, Room R-202, (708) 456-0300, Ext. 3784, and at the Financial Aid Office, Student Center, Room B-216W, (708) 456-0300, Ext. 3155.

Out-of-District Resident Employed In-District

A student who resides outside of the Triton College district, but is employed by a company/organization within the district will be entitled to in-district tuition rates if the following conditions for contract training are met:

1. The student must first apply for a chargeback from their local community college if the program of study is not offered by that district.
2. An authorized agent of the company must complete the contract training form, verifying that the student is employed at least 35 hours per week and in a job-related course and/or program of study.
3. All contract training forms submitted by the student are subject to verification by the college.
4. A separate contract training form must be submitted each semester, prior to the start of classes, to confirm eligibility.

For more information, contact the Admissions Call Center (708) 456-0300, Ext. 3130.

Towns and villages in the Triton district are:



Application Procedures

This policy for making application for admission to Triton College is established to accommodate the needs and goals of both degree candidate students and non-degree candidate students.

Degree candidates are those students who intend to earn a degree or certificate at Triton College. A degree candidate must meet the following admission requirements:

1. Submit application for admission to the Office of Admissions or apply online at www.triton.edu.
2. Submit official high school transcripts, GED scores or "Ability to Benefit" test scores.
3. Submit ACT and/or SAT scores (optional).
4. Submit official college transcripts, where applicable.
5. Take Triton College placement tests.
6. Complete new student orientation.

Non-degree candidates are all other students enrolled at Triton College. A non-degree student must meet the following admission requirements:

1. Submit application for admission to the Office of Admission or apply online at www.triton.edu.
2. Submit official high school and college transcript, where applicable.
3. Take Triton College placement tests.
4. Complete new student orientation.

Triton College High School Transcript Procedure

To be in compliance with Title IV Federal Student Aid Program Integrity Regulations of a definition of a high school diploma, the Office of Admission and Records at Triton College will be implementing the following procedures for high school transcripts effective July 1, 2011.

- All high school transcripts must be from an accredited institution.
- International high school transcripts must be evaluated by an evaluation agency and must meet United States high school equivalency standards. All foreign High School and College Transcripts must be evaluated by a NACES member. NACES stands for the National Association of Credential Evaluation Services. They may be reached at www.naces.org.
- Home school transcripts will be accepted only from those students who are registered within their state of residence.

Special Admission Requirements

Associate in Arts/Associate in Science Degree Programs

Illinois General Assembly Public Act 86-0954 establishes minimum high school course requirements for admission to transfer programs at Illinois public community colleges and Illinois public universities, effective fall 1993, as listed below. All students applying for admission to an associate in arts or associate in science degree program will be admitted to the college on a provisional basis until completion of 32 semester hours of AA/AS course work with grades of "C" or better in

each course. Prior to the completion of 32 semester hours, an evaluation of the high school transcript may be requested to determine compliance with the requirements.

All entering students are required to complete Triton's placement tests at the time of registration. These tests are required whether or not all college preparatory course requirements have been met. Upon completion of the placement tests, students will be placed in courses appropriate to their academic needs.

The law requires completion of at least 15 academic units in the following areas: (4) units of English, (3) units each in mathematics, sciences and social studies and (2) elective units. One unit is equivalent to one year of high school study. Electives may be taken in art, music, foreign language or vocational education. Up to three of the 15 units may be redistributed by deducting no more than one unit each from the categories of social studies, mathematics, sciences and electives, and completing them in any of the five categories of course work. For more information, contact the Office of Admission at (708) 456-0300, Ext. 3444.

Nursing and Allied Health Programs

Applicants for some Health Career programs must meet additional admission requirements. For information, please see the catalog section on "Selective Admission Health Programs." on page 136 Applicants for these programs also must attend program information sessions. For more information, call (708) 456-0300, Ext. 3858 for Nursing, Ext. 3545 for all other Allied Health programs, or Admissions Call Center at Ext. 3130.

Contract Training

The following provisions exist for Contract Training programs with individual companies:

- Option 1** — Customized training at company site or class-size programs at Triton. Contact: Dean of Continuing Education, (708) 456-0300, Ext. 3489.
- Option 2** — Companies with an insufficient number of employees to contract for customized training may purchase seats in a regular college course offering through the following procedures:
- a. Authorized agent of company signs a contractual agreement with the college for a designated number of employees to be retrained.
 - b. The company is billed directly for tuition at in-district rates.

For more information, contact Continuing Education, (708) 456-0300, Ext. 3489.

New Student Orientation

Triton's new student orientation program, Destination Success, provides an opportunity for new students to learn about degree programs, student services, college facilities, strategies for college success and much more. Students may attend orientation on campus or complete the online orientation. Coordinated by a faculty or staff member,

Destination Success is designed to provide information to students in small group settings.

Participation in new student orientation is mandatory for all new credit students. Students must be admitted to Triton and have placement tests completed prior to attending an orientation session. Students beginning in the fall semester should attend orientations conducted in June/July; those beginning in the spring semester may attend sessions offered in November/December. Students completing the online orientation must access it through the student portal. For additional information or to register for an orientation session, call (708) 456-0300, Ext. 3130, or visit www.triton.edu/destinationsuccess.

Full Time/Part Time

In addition to the degree and non-degree candidate classifications described above, students also may be considered either full-time or part-time. A part-time student is one taking fewer than 12 semester hours (less than six hours in summer session). A full-time student is one enrolled in 12 or more semester hours (six or more hours in summer session).

Freshman/Sophomore

A freshman is a student who has completed less than 30 semester hours of college credit. A sophomore is one who has completed 30 or more semester hours of college credit.

Servicemembers' Opportunity College

Triton College is proud to be identified by the American Association of Community Colleges as a Servicemembers' Opportunity College (SOC) providing educational assistance to active-duty service personnel. An SOC institution offers the following benefits for servicemembers:

1. Use of admission procedures that insure access to higher education for academically qualified military personnel;
2. Evaluation of learning gained through military experiences, and academic credit awarded, where applicable;
3. Evaluation of non-traditional learning and awarding of academic credit for such learning, where applicable;
4. Evaluation of requests for inter-institutional transfer of credits and acceptance of such credits where appropriate; and
5. Flexibility in satisfying residence requirements by making adjustments for military students who transfer from other college districts.

The college is also a charter member of the Servicemembers' Opportunity College Associate Degree Program (SOCAD) Network. The network was established by the American Association of State Colleges and Universities at the request of the U.S. Army to better serve Army-enlisted personnel. Triton and other participating colleges in the network offer a flexible degree program in general studies. Military personnel can complete degree requirements by taking courses at other

network colleges. For information about the SOCAD program, contact the Office of Veteran Services, (708) 456-0300, Ext. 3531 or 3651.

International Student Admission

All applicants are required to contact the Records Evaluator for specific admission procedures. International students applying to Triton College are required to take the Test of English as a Foreign Language (TOEFL) and must attain a score of 500 on the examination, with a score of at least 50 in each category on the written TOEFL, and a score of 173 and at least 16 to 18 in each category on the computerized TOEFL.*

International students must enroll in a minimum of 12 semester hours and must complete their degree objectives within six semesters. International students pay the out-of-state tuition rate. Financial assistance will not be available to international students.

International applicants must also submit official credentials and transcripts from all secondary and post-secondary educational institutions including any college or university work. All foreign High School and College Transcripts must be evaluated by a NACES member. NACES stands for the National Association of Credential Evaluation Services. They may be reached at www.naces.org.

The Records Evaluator will issue the required Immigration Form 20 (I-20) only after all required documents have been submitted and the student's application for admission has been accepted.

Other non-native students, whether holding diplomatic, visitor or other non-immigrant visas, must pay out-of-state tuition rates. (For information, contact the Records Evaluator, Office of Admission and Records at (708) 456-0300, Ext. 3733.)

* *The Internet-based score is 61 with a minimum score of 15 in each category.*

High School Student Admission

High school students may be permitted to take college courses after obtaining the written approval of their high school principal or counselor. The college reserves the right to require "ability to benefit" testing for all non-high school graduates prior to admission. For more information, call (708) 456-0300, Ext. 3130.

Registration

A schedule of classes will be mailed to all in-district homes before each term for the convenience of residents who may want to enroll at Triton College. A notice to register is issued to students who are currently enrolled.

Students may register in person for all courses, by telephone or Internet for many occupational and university transfer credit courses and almost all courses offered through the School of Continuing Education. To ensure proper academic placement, all credit seeking students will be required to

participate in new student orientation and placement testing (see Academic Placement).

Students may pay tuition and fees in cash, by check, online or by bankcard. Failure to comply with payment deadlines may result in cancellation of enrollment and the need to re-register, with no assurance that the same class schedule will be available.

(Inquiries concerning registration dates and procedures should be directed to the Admission Call Center at (708) 456-0300, Ext. 3130, or the Triton College Web site: www.triton.edu.)

Tuition and Fees

Tuition

	Summer 2012	Fall 2012	
In-District	\$93.00	\$98.00	per semester hour
Out-of District*	\$243.81	\$256.00	per semester hour
Out-of State/International Visa Students	\$305.76	\$321.05	per semester hour

Note: Select programs may have higher rates.

* *Out-of-district student tuition — Students not residing within the Triton College district must pay out-of-district tuition unless the student qualifies for a chargeback or cooperative instructional program as outlined in this catalog. The out-of-district rate is calculated by a formula as prescribed by the Illinois Community College Board.*

Student Services Fee (nonrefundable)

	\$8.00 per credit hour, \$96 maximum
Auxiliary Fee	\$1 per course

Registration Fee

Full-time students	\$10
Part-time students	\$5

Technology Fee

Full-time students	\$70
Part-time students	\$34
Online course fee	\$25

Charged Where Applicable

Graduation fees (non-refundable)	
Degree or Certificate	\$12
Additional Degrees or Certificates	\$12 each
Advanced Certificate	\$12 each
Cap and Gown fee	TBA
Course fee	variable (lab fees, supplies, etc.)
Late Registration	\$7
Proficiency Examination	\$5 per course credit
Academic Transcript	\$3

All fees are subject to revision by the Triton College Board of Trustees without prior notice.

Out-of-District Students/Chargebacks

Individuals who reside outside the Triton College district and want to enroll in a curriculum that is not offered by their local

community college must apply for tuition assistance from their community college district at least 30 days before the beginning of the term for which they intend to enroll. The tuition assistance is called a "chargeback."

Many community college districts do not approve chargebacks for college success courses and/or continuing education courses. It is the responsibility of the student to consult with their home district regarding availability.

Cooperative Instructional Programs/ Joint Agreements

The following selected programs are available at in-district rates at other community colleges. Students should complete approval forms in the Triton College Chargeback Office, Room B-216E, in the Student Center.

College of DuPage, Glen Ellyn (630) 942-2800, Ext. 2441

Fashion Design
Health Information Technology
Plastics Technology
Travel and Tourism

College of Lake County, Grayslake, (847) 223-6601, Ext. 2418

Phlebotomy Tech

Elgin Community College, Elgin (847) 214-7226

Clinical Lab Tech. AAS
Gerontology Mental Health AAS
Physical Therapy Assistant AAS

Harper College, Palatine (847) 925-6000, Ext. 6282

Cardiac Exercise AAS
Dental Hygiene AAS
Dietetic Tech. AAS
Fashion Design AAS
Habilitation Aide Cert.
Interpreter Training Cert.
Paralegal Studies
Pharmacy Tech. Cert.

Morton College, Cicero (708) 656-8000, Ext. 345

Alternative Fuels/Compressed Natural Gas
Physical Therapist Assistant
Therapeutic Massage

Oakton Community College, Des Plaines (847) 635-1716

Certified Novell Administration Certificate
Health Information Technology
Financial Services/Investments
International Trade
Management & Supervision
Physical Therapy Assistant AAS

South Suburban College, South Holland (708) 596-2000, Ext. 5708

Occupational Therapy AAS
Paralegal Assistant
Pharmacy Tech. Cert.

Athletic Tuition Waiver Policy

Student-athletes eligible under National Junior College Athletic Association (NJCAA) and Conference standards are considered qualified to receive tuition waivers. Any student who participates in intercollegiate athletics will also be eligible to apply for local, state and national scholarships available to all other Triton College students. Non-athletic scholarships awarded to student-athletes are not counted toward the total tuition waiver.

In accordance with NJCAA regulations, waivers are available to any and all sport offerings designated as Division I or Division II. Triton College will offer waivers that cover in-district tuition only, (not fees) and shall not exceed fifteen (15) credit hours per semester. A maximum of twenty (20) full waivers shall be granted per academic year. These are one year renewable awards and do not include summer school expenditures.

Each year for the subsequent academic year by May 1st, the college administrator overseeing intercollegiate athletics will determine the following:

- Identify programs eligible to offer tuition waivers.
- Determine number of renewable and vacant (available) waivers.
- Make any recommendations or determinations on new or existing provisions issued by NJCAA or Conference.

Written notice of the terms of the original tuition waiver shall be given to the student-athlete no later than fourteen (14) calendar days after the beginning of classes of the academic term in which they participate. This tuition waiver agreement (with the required student signature) shall be in effect for one full academic year. If waivers become vacant, it may be awarded to a different individual for the remainder of that academic year beginning with the next term. Renewal of the tuition waiver must be given in writing as soon as eligibility is determined. Actions regarding prohibited practices or cancellation of a waiver will follow the established regulations of the NJCAA.

Refund Schedule

A student who registers, fails to attend class and fails to officially withdraw from the class, is still responsible for all tuition and fees. A student who receives grades for a class, but does not pay, will be subjected to collection fees when the unpaid balance is turned over to a collection agency.

A student who officially withdraws from any class may be refunded a percentage of the course tuition, depending on when withdrawal is made (see the following table). The registration, late registration, proficiency test and special examination fees are not refundable. The auxiliary and student service fees are refundable only when official withdrawal occurs before the start of the semester.

Refund

A student is entitled to a 100 percent refund when official withdrawal is made no later than the following refund schedule (all days are business days):

Course Length

In Weeks	100%	50%	Full Charge
13-17	1-5 days	6-10 days	11 days-end of course
11-12	1-4 days	5-8 days	9 days-end of course
8-10	1-3 days	4-6 days	7 days-end of course
5-7	1-2 days	3-4 days	5 days-end of course
3-4	1 day	2 days	3 days-end of course
1-2	1 day		2 days-end of course
Less than 1 week			1 day-end of course

Students should consult a current class schedule for specific withdrawal dates for each term.

All requests for exceptions to this policy must be made in writing on a General Petition form and submitted to the Welcome Center of the Student Center within one calendar year of the semester in dispute. For more information, you may obtain a guide to refund petitioning at the Welcome Center.

Tuition Refunds/Credit Vouchers for Students Called to Active Military Service

Any active student who is required to withdraw from classes during his/her regular semester or summer term due to active military obligations will be entitled to a full refund of tuition or credit voucher (unless paid by a state/federal agency) upon evidence and notification to the college within the semester or term of withdrawal.

Financial Obligations

All Triton College students have the responsibility to make tuition and fee payments by established due dates. The Bursar's Office will determine when a student is in default of a required payment. It is the policy of Triton College that the following take place:

1. The student's records will be sealed and not made available to the student until all financial obligations are met in full.
2. The student will not be permitted to enroll in additional courses until all financial obligations are met in full.
3. Students not meeting financial obligations will have their accounts referred to a collection agency. The fee associated with the collection agency is the student's responsibility, in addition to all unpaid tuition and fees.

Reduced Tuition for Older Adults

Residents of the Triton College district who are 60 years of age or older may register for classes at reduced rates any time during regular registration periods. The reduced tuition rate is \$6 per semester hour for arts and science and career education courses. Senior citizens over the age of 60, also are entitled to a waiver of registration fees (\$5.00 per term).

Residents of the Triton College district who are 65 years or older may enroll in regularly scheduled courses during the late registration period without payment of tuition under the following conditions:

1. Annual household income \$12,000 or less.
2. The class is not filled.
3. Enrollment of tuition-paying students exceeds the minimum number required for the course.

Proof of age and a signed declaration of annual income are required to qualify for the tuition waiver.

Student Services Fee

This fee is charged to any student enrolled in one or more credit classes. This fee supports athletics, student activities, recreation programs, student organizations, Fifth Avenue Journal, extracurricular funding, Internet access, Student Center operations and a variety of other programs and services offered by various campus departments.

Programs funded by this fee include:

- Retention Programs
- Career Days
- Learning Resource Center
- Student-based facilities
- Future Focus College Fair
- Commencement
- Curriculum Related Seminars
- Model United Nations
- Model Illinois Government
- Cultural Programs
- Student Life Scholarships
- Cernan Earth and Space Center
- Swimming Pool
- Leadership Recognition Programs
- Emergency Service Vehicle
- Internet



Financial Aid



Financial Aid & Veterans Affairs

The Office of Financial Aid & Veterans Affairs is available to assist eligible students in completing the application process for federal and state financial aid and veterans' benefits. Students eligible to apply for financial aid must be U.S. citizens or eligible non-citizens, have a high school diploma or equivalent passing GED scores and must be planning to enroll in a degree or certificate program consisting of a minimum of 16 credit hours. Financial aid is not available to cover Adult Continuing Education classes, GED, ESL, or short-term training certificates requiring fewer than 16 credit hours to complete.

The process for applying for financial aid at Triton College requires the following three steps:

1. Complete the Free Application for Federal Student Aid (FAFSA). A FAFSA on the Web Worksheet may be obtained from the Triton College Financial Aid Office and completed online at www.fafsa.gov. Be sure to include Triton College's school code 001773 on the application.
2. Complete the Triton College Financial Aid Data Form and return it directly to the Financial Aid Office. This form is available from the Financial Aid Office or may be printed from the financial aid section of Triton's Website. All financial forms are listed under the heading "links & forms."
3. Have your final/official high school transcript or GED scores sent to the Admission and Records Office at Triton College.

Once these three items have been reviewed, additional documentation may be requested.

Students are encouraged to apply as soon after January 1 as possible. While the Financial Aid Office will process applications throughout the year, the preferred filing date is March 1 due to the limited funding of certain grant programs.

Student financial aid programs involving grants, loans, scholarships, and employment will be available so that no qualified student will be denied an opportunity to receive a college education due to a lack of funds. Guidelines will be developed and published by the Financial Aid Office.

No person will, on the basis of race, color, age, creed, sex, handicap, national origin, or any individual as set forth by law, be excluded from participation in, be denied the benefits of, or be subjected to discrimination, under the college's financial aid programs.

Grants

Grants are monies that do not have to be repaid. Students who complete the FAFSA are applying for all federal and state based grants. The Federal Pell Grant can be used for tuition, fees, books, transportation, and other educational expenses.

The Illinois Student Assistance Commission IISAC) Monetary Award Program (MAP) Grant may be used to pay in-district tuition and fees.

The Federal Supplemental Educational Opportunity Grant (SEOG) is awarded to the highest need students also receiving the Federal Pell Grant.

Loans

The Federal Direct Stafford Student Loan allows a student to borrow at a low interest rate. Repayment begins six months after the student ceases to be enrolled in six or more credit hours. A freshman level student may borrow up to \$3,500 in a subsidized student loan and a sophomore level student may borrow up to \$4,500 per year, if eligible. A dependent student may additionally borrow up to \$2,000 in an unsubsidized loan and an independent student may additionally borrow up to \$6,000, if eligible. Loan funds may be used toward tuition, fees, books, transportation, and other educational expenses. Student loan information is available in the Financial Aid Office, Room B-216W of the Student Center, or Ext. 3045.

Scholarship Opportunities

In an effort to reward students for their academic ability and involvement in community and school activities, Triton College offers prospective and current students the opportunity to apply for scholarships. Scholarships are available for students from a variety of sources. An updated list of available scholarships and applications can be found in the Scholarship Office located in the Financial Aid Office, Room B-216W in the Student Center or from the Financial Aid section of Triton College's Web site.

In addition to institutional scholarships, the Scholarship Office has a list of scholarships available to students in specific areas of study, such as accounting, education, criminal justice, health careers, graphic arts/printing, etc. Information on these scholarships and those offered by a variety of service organizations is available in the Scholarship Office. The Financial Aid section of the college Web site also provides access to scholarship search engines in order to assist students in identifying nationwide scholarship information.

Work Study

The Federal College Work Study Program enables a student to work 15-20 hours per week on campus. This is a need-based program and students must qualify for financial aid. Students who qualify for the program will work in various areas of the college as long as funds are available.

The Triton Work Study program is a non-need based program. The number of hours per week a student can work is based on the position and its allocation.

Students can find out more information on both programs through the Work Study Office located in the Financial Aid Office, Room B-216W in the Student Center.

Students wishing to work off campus may investigate job listings in the Job Opportunity Bulletin or stop by Career Services, Room A-204.

Veterans Benefits

There are many military educational benefits available to eligible students. The Triton College Office of Financial Aid and Veteran Affairs coordinates processing for the following federal VA educational benefit programs:

- Montgomery GI Bill: for those who enlisted after July 1, 1985 (Chapter 30)
- Post 9/11 GI Bill: for those who served after September 11, 2001 (Chapter 33)
- Montgomery GI Bill: Selected Reserves (Chapter 1606)
- Montgomery GI Bill: Survivors and Dependents Educational Assistance (Chapter 35)
- Vocational Rehabilitation (Chapter 31)
- Tuition Assistance: administered through the Cashier's Office

Students receiving educational benefits through any of the above programs must be meeting the Standards of Academic Progress.

Additionally, Triton College is approved by the Illinois Department of Veterans Affairs state approving agency for the training of eligible persons.

Illinois Veterans Grant (IVG)

The Illinois Veterans Grant is available to veterans of World War II, the Korean Conflict, the Vietnam War and Desert Storm, in addition to veterans who have at least one year of active duty in the US Armed Forces.

The grant will pay for in- or out-of-district tuition (if a chargeback cannot be obtained), and certain fees at all state-controlled colleges, universities and community colleges. The grant may be used for a period equivalent to four calendar years, including summer terms. Use of the program is determined by a point system in which the maximum number of points available is 120.

Students receiving educational benefits through the program must be meeting the GPA component of the Standards of Academic Progress.

Illinois National Guard Scholarship

The Illinois National Guard Scholarship is available to those who have completed one full year of service in the Illinois National Guard and are current Illinois National Guard members. Students receiving educational benefits through the program must be meeting the GPA component of the Standards of Academic Progress. This program covers tuition and most fees at Illinois state-controlled universities or public community colleges. Qualified individuals may use the program for a maximum of 120 units of eligibility.

Approval Agency

Approved by the Illinois Department of Veterans Affairs, State Approving Agency. For additional information relating to VA administered programs, contact the Office of Veterans Services at (708) 456-0300, Ext. 3531 or 3651, or stop by the Financial Aid Office, Room B-216W in the Student Center.

Financial Aid Standards of Academic Progress Policy

Public Law 99-498 requires that you make satisfactory and measurable academic progress in order to be eligible for state and federally funded financial assistance. When you attend Triton College and receive aid from the following federal programs: Federal Pell Grant, College Work-study, Federal Supplemental Educational Opportunity Grant, Federal TEACH Grant, Federal Veterans' Grants, Direct Student Loan (subsidized and unsubsidized), PLUS loan; or the following state programs: Monetary Award Program, Illinois Merit Recognition Scholarship, Police Officer/Fire Officer Dependent's Grant, Illinois Veteran' Grant (GPA only) or Illinois National Guard (GPA only); or any other programs covered by regulations of the U. S. Department of Education, federal or state law, they must meet the following standards:

A. To make satisfactory academic progress for financial aid, you must meet the following criteria:

1. **Successful completion of courses (quantitative standard).** Students will be measured for the quantitative standard at the end of each semester. Students must successfully complete and receive credit for a minimum of 67 percent of all college level and college success courses attempted cumulatively, regardless of receipt of financial aid. The percentage can be calculated by dividing the successfully completed credit hours by the number of credit hours the student attempted.

If at the end of a semester, a student has not successfully completed a minimum of 67 percent of all credit hours attempted cumulatively, the student will be placed on Financial Aid Warning for the next semester attended.

If at the end of the "Warning" semester, the student has not successfully completed a minimum of 67 percent of all credit hours attempted cumulatively, the student will be placed on Disqualified Status, and will not be eligible to participate in financial programs in future terms.

All grades of "A", "B", "C", "D", "F", "P", "W", "I" and "R" are included in the calculation of credit hours attempted. Credit hours successfully completed toward the 67 percent are college and college success courses completed with a grade of "A", "B", "C", "D" or "P".

Students receiving an INCOMPLETE ('I') grade or late grade that places them on Financial Aid warning or Disqualified Status must complete the course in accordance with the 'Incomplete Grades' policy as outlined in the Triton College catalog. Financial Aid is not notified when a student finishes an incomplete class; therefore, the student must submit an appeal within the term to request that their financial aid be reinstated.

All attempted credit hours at Triton College will be counted toward the cumulative completion rate standards and the maximum time frame standards.

These include:

- College Success courses
- Audit courses
- Courses that have grades forgiven
- Repeated courses
- Withdrawn courses
- Non-completed courses

- 2 **Grade-point average (qualitative standard).** All students must earn a 1.0 GPA at the end of their first semester of attendance and must maintain a cumulative GPA of 2.0 after two semesters of attendance, regardless of receipt of financial aid.
- 3 **Program time frame.** Students have a maximum of 96 hours attempted to earn an associate's degree or 48 hours attempted for a one year certificate program. Maximum time frames will include all semesters of enrollment whether financial aid was received or not and will include all evaluated transfer credit hours. Grades of "W", "I", "R" or "F" are considered to be hours attempted and are included in the maximum time frame. Students who have already completed a bachelor's degree will automatically be considered as having completed more than 96 hours and will need to appeal for reinstatement.

B. Financial Aid Academic Warning and Disqualification

1. Students who fail to maintain a cumulative GPA of 2.0 in any semester will be placed on Financial Aid Warning (except if the GPA is less than 1.0 in the first semester of attendance, then the student is disqualified).
2. Students who fail to meet the required course completion (see A-1) in any semester will be placed on Financial Aid Warning. Students who receive the Illinois Veterans' Grant or National Guard Grant are exempt from the quantitative component of the Standards of Academic Progress. Students may receive financial aid while on warning status **without appealing**.
3. Students who fail to meet the 1.0 GPA in their first semester of attendance will be placed on Financial Aid Disqualification Status.
4. Students who fail to meet the 2.0 cumulative GPA requirement for two consecutive semesters or who fail to successfully complete their courses as stated in section A-1, will be placed on Financial Aid Disqualification Status.

Students may not receive financial aid while on Disqualification Status. This includes eligibility for federal and state grants, loans, work-study and federal VA benefits.

C. Financial Aid Reinstatement

1. Students on Disqualification Status may appeal to the Financial Aid Standards of Academic Progress Committee if they have mitigating circumstances. Students wishing to appeal their status must pick up an official appeal form in the Financial Aid Office and follow all directions outlined in the appeal form. All

appeals must be complete, provide detailed information and supporting documentation about mitigating circumstances, and must be submitted to the Financial Aid Office.

2. Students who have been away from Triton College for a minimum of three years may be allowed to return on a "warning" status for one semester. During that time, the student must make satisfactory progress or become disqualified for further financial assistance. Students who were disqualified at the time they ceased their prior enrollment will be required to submit an appeal for reinstatement.
3. Students who are not reinstated by the committee may appeal again after they have successfully completed at least six credit hours of additional course work in a semester, unless the disqualification status is a result of having exceeded the program time frame as explained in A-3.
4. Reinstatement of students who have exceeded the maximum program time frame will be considered for an extension only if they can document a change in academic program, and/or that they have taken College Success course work.
5. Students have the right to appeal the decision of the Financial Aid Committee by submitting a typed statement to the associate dean of Financial Aid, requesting a review of the committee's decision. The decision will be final.

6. Students reinstated by the Financial Aid Committee and/or the associate dean of Financial Aid to a probationary status must meet the criteria for Standards of Academic Progress or the requirements of an academic plan from that point forward.

D. Notification of Status

The Financial Aid Office will notify students when they have become disqualified. However, it is the students' responsibility to know their academic progress status and how it affects financial aid eligibility.

Return of Federal Funds Policy

The amount of federal financial assistance that a student receives is based on the completion of all registered coursework. Any student who withdraws from coursework in a semester may be required to return a portion of the federal funds that had been applied to his/her account. The final amount of financial aid earned will be based on the period of time that the student participated during the term. If financial aid is awarded after the conclusion of the term, federal aid will be awarded based on the courses completed successfully for that term. Students who need to withdraw from registered coursework should make an appointment with a Financial Aid Specialist to determine if a portion of unearned federal funds will need to be returned to the federal aid programs.



Student Services



Counseling

Professional counselors assist students in exploring and clarifying career and educational goals, choosing programs of study and resolving personal issues. Counselors are conveniently located in the following offices: Room A-106 in the Learning Resource Center, Room F-214 in the Business Building, Room J-229 in the Fine Arts Building, Room G-218F in the Health Building, Room T-102 in the Industrial Careers Building, Room D-122 in the Science Building, Room R-215 in the Robert M. Collins Center, and in the Counseling Center, Room B-100 in the Student Center.

Department members are available to students on a walk-in basis and through individual appointments. To schedule a Counseling department appointment, call (708) 456-0300, Ext. 3588, or come to Room B-100 in the Student Center, or contact us by e-mail at counsel@triton.edu. Service hours are 8:00 a.m.–7:30 p.m. Monday through Thursday, 8:00 a.m.–4:00 p.m. Friday, and 9:00 a.m.–1:00 p.m. Saturday.

Services provided by the Counseling department include:

Pre-Enrollment Counseling

Counselors are available to assist students before registration in determining the appropriateness of educational plans.

Major Selection

Assistance is available in the selection of a program and curriculum that will meet the student's life and career goals.

Transfer Planning

Individualized counseling is offered to students considering transferring to a four-year institution or other training/educational opportunities.

Program Planning

Counselors are available to help students complete a semester by semester guide of courses necessary to complete your degree.

Meetings with College Representatives

Each semester Triton hosts individual visits of admission counselors representing more than 50 different colleges and universities. In addition, Triton sponsors several college fairs per year.

Transfer Guides

Triton offers transfer guides for more than 50 colleges and universities. A transfer guide is a planning tool used to select appropriate Triton course work in preparation for transfer. Students can pick up transfer guides in Room B-100 in the Student Center or by appointment.

Information and Referral

The Counseling Center makes available a variety of resources, publications and catalogs that provide information regarding personal growth, the world of work, careers and educational opportunities. Counselors also can help individuals become aware of agencies, services and personnel that may provide assistance beyond the limits of the programs offered by the college.

Career Development

Through the use of self-evaluation techniques and career information, the student is led to a clearer understanding and realization of career goals. This may occur in individual counseling, workshops or credit courses.

Personal Development

The student is assisted in personal development through individual conferences, small group sessions and referrals.

Educational Development

The student is encouraged to develop college survival skills, including test taking, time management and study skills, through group workshops.

Testing

Programs of standardized testing, both individual and group, are used to help students gain new information and insights regarding future career goals.

Credit Courses

COL 101, Introduction to College (one credit hour), and COL 102, Being Successful in College (three credit hours), are designed to prepare students to meet the challenges of the college experience. CSG 150, Career/Life Planning is a one-credit-hour course designed to enhance personal growth and career decision-making skills. CSG 296, Special Topics in Counseling, is a credit course on selected topics in the areas of counseling and may vary from semester to semester. The course may be repeated a maximum of four times when topics are different. All of these courses can be used as electives towards graduation.

University Center

Triton's University Center, located in the Learning Resource Center, Room A-105 hosts offices for partnering four-year colleges and universities that offer students the opportunity to continue their higher education pursuits for select bachelor and graduate degree programs without leaving the Triton campus.

Currently, partnerships are established with National-Louis University, Benedictine University, Governors State University, Southern Illinois University, and Eastern Illinois University.

National-Louis University offers:

- Bachelor of Arts Program in Applied Behavioral Sciences
- Early Childhood and Elementary Education

For further information, call (708) 456-0300, Ext. 3303 or 3904.

Benedictine University offers:

- Bachelor of Science in Nursing
- Masters of Public Health
- Masters of Management and Organizational Behavior

For further information, call (708) 456-0300, Ext. 3813.

Governors State University offers:

- Bachelor of Arts in Criminal Justice
- Bachelor of Science in Social Work

- Master in Business Administration
- Master in Public Administration
- Dual Degree Program

For further information, call (708) 456-0300, Ext. 3438.

Southern Illinois University Carbondale offers:

- Bachelor of Science in Fire Science Management

For further information, call (708) 456-0300, Ext. 3641 or 3639.

Eastern Illinois University offers:

- Bachelor of Arts in General Studies

For further information, call (708) 456-0300, Ext. 3476.

Academic Success Center

The Academic Success Center (ASC), located in the lower level of the Library, in the Learning Resource Center, Room A-106, offers free tutoring to all students enrolled at Triton in reading, writing, mathematics, sciences, business, accounting, social sciences, behavioral sciences, technology and health programs. The ASC also offers computer-assisted tutorial instruction and sponsors college-skills workshops each semester. Tutorial assistance is designed to encourage student success by strengthening study skills and by helping students apply these skills to course work. For further information, call (708) 456-0300, Ext. 3361, or visit our Web site at: www.triton.edu/depts/asc

Math and Writing Zones

The Math and Writing Zones, located on the first floor of the Learning Resource Center, Rooms A-100 and A-314, principally supports students in college success courses, but it is open to all students on a drop-in-basis. The zone offers instruction by tutors, computer programs, videos and workshops. Students also can use the zone to prepare for their placement exam. For more information, call (708) 456-0300, Ext. 3693, or visit our Web site at: www.triton.edu/depts/asc.

Assistance for Students with Disabilities

The Center for Access and Accommodative Services (CAAS) provides academic accommodations and accessibility services for students who have disabilities. Students in need of services such as note takers, testing accommodations, sign language interpreters, alternate text materials, scribes, adaptive equipment or other accommodative services must make their request at the CAAS office. The CAAS office is located in the Learning Resource Center, Room A-137 and can be contacted at (708) 456-0300, Ext. 3854, or TTY (708) 456-0991.

Triton Retraining Assistance Center

The Triton Retraining Assistance Center is a federally funded program which provides comprehensive counseling, retraining and placement assistance to workers who are unemployed due to layoff, plant shutdown and shifting industry needs.

The goal of the program is to return participants to quality

jobs in the labor market. This is accomplished through counseling, assessment, retraining, job search assistance and job development. Training programs are offered in occupations where there is stability and growth so the likelihood of future displacement is minimized. The program pays 100 percent of training costs for one approved training program. More than 40 areas of study are offered.

Each participant attends an orientation, a counseling session and a pre-employment skills workshop where resumes are written and job search interviewing skills are developed. Participants are given a Triton College placement test to determine if basic skill remediation is needed before entering a training program. Counselors encourage participants to complete their GED if they lack a high school diploma.

The job search assistance component of the Triton Retraining Assistance Center offers job leads by telephone, computerized job leads mailed to participants' homes, mailing of participants' resumes to area employers and job development by program staff.

Unique to this program, participants continue to receive unemployment compensation while in training. Eligibility is determined by a person's previous work history, termination or lay off from employment and receiving or exhausted unemployment benefits.

For further information, call (708) 456-0300, Ext. 3331.

Cooperative Education Program

The Cooperative Education Program is designed to enhance students' academic knowledge, personal development and professional preparation through a combination of classroom theory and practical work experience with area business and industry. Through this hands-on experience, students can test their career goals, gain an edge on the employment market and defray the cost of their college expenses while earning college credit.

Students interested in cooperative education should contact the Cooperative Education Office, Room A-204. For information, call (708) 456-0300, Ext. 3789.

Career Services

The Triton College Career Services Center is located in Room A-204. The center offers comprehensive career planning services to individuals (students, graduates and community members) considering upgrading jobs, starting new careers or re-entering the work force.

Career Planning

Professional counselors are available to assist individuals in exploring and clarifying career and educational goals. Through the use of self-evaluation techniques and career information (printed, audio-visual and computerized), the individual is led to a clearer understanding and realization of career goals. Sigi Plus, computerized self-assessment and information program is available for our students. The Counseling Center is located near the Career Services Center

to accommodate students who wish to make an appointment with a counselor. For more information, call (708) 456-0300, Ext. 3588.

Employment Assistance

The center maintains information on job-seeking skills, employment opportunities, job trends and an employer data bank. A Job Opportunities Bulletin is published to inform students and community members of employers who have current job offerings. Personalized career assistance is available through the Computerized Job Notification System. This service allows students to complete a mini-resume card that is shared with area employers who make employment requests. In addition, data mailers listing current job opportunities are sent to students twice per week. The data mailers include job opportunities based upon the occupational preferences of the applicant.

Job recruiters work through the Career Services staff to set up interviews with students throughout the school year.

Credential files also are maintained for Allied Health students and are sent to employers at the student's request. For more information, call (708) 456-0300, Ext. 3538 or 3805.

Testing Center

The Testing Center offers placement testing, test proctoring services, and selected standardized testing for individuals and groups for selective program admission and certification. Throughout the year, the college offers placement testing in the areas of math, reading, and writing; counselors use the results to assist students in determining appropriate courses for their academic career. Test proctoring is offered for students enrolled in online classes or those taking a make-up exam.

Additionally, students may earn alternate credit through the College Level Examination Program (CLEP), proficiency credit, or portfolio development. The CLEP allows students to earn up to 30 hours of credit in the five general areas of English; humanities and fine arts; mathematics; physical and life science; and social and behavioral science/history. Proficiency credit and portfolio development allow students to pursue the option of earning credit or placement for their learning experiences. Additional information may be found under the section, Acceptance of Academic credit. For more information about our testing program, contact the Testing Center at (708) 456-0300, Ext. 3252.

Library/LRC

The Library/Learning Resource Center (LRC), located at the north end of the Learning Resource Center Building, is a newly renovated, state-of-the-art information and study center. It offers a wealth of information in various formats to support teaching and learning at Triton College.

The Library maintains a collection of more than 75,000 volumes and more than 400 current periodical subscriptions, many other resources are available in electronic formats. Services include reference and research, computer-database

searches, inter-library loans, library orientation, instruction in use of resources, reserve materials and Internet access. Small group study rooms and a laptop loan program are available to currently enrolled Triton students.

Library/LRC hours during fall and spring semesters are:

8 a.m. to 8 p.m.—Mondays through Thursdays

8 a.m. to 4 p.m.—Fridays

9 a.m. to 4 p.m.—Saturdays

Closed—Sundays

For additional information, call (708) 456-0300, Ext. 3215 or 3698, or visit the Library Web site at: www.triton.edu/library/.

Student Center

The Student Center is a place to meet other students and faculty, participate in campus activities and enjoy diverse dining opportunities. In addition to campus activities, the Student Center houses the Counseling, Welcome Center, Transfer Services, Health Services, Student Government Association, Program Board, Campus Ministry and Parachutes, the student lounge.

The second floor of the building houses the Financial Aid and Veterans Offices, the Admission and Records Office, as well as dining facilities for staff and students.

Health Services

The Board of Trustees recognizes that health services should be made available to all students. The Health Service Office, (located in Room B-112 in the Student Center), will provide the services of a registered nurse during scheduled class hours to care for emergency, illness or injury. Parents or next of kin will be notified of any serious illness or accident occurring at Triton College. If necessary, the student will be transported to a medical facility by ambulance. The cost of treatment shall be the responsibility of the student.

The following health services will be provided to all:

Health Services:

1. Caring of the ill and injured student.
2. Dispensing of non-prescriptive medications.
3. Referral to other health agencies
4. Offering of routine tests
5. Wellness and Health Education programming

Note: Strict confidentiality is maintained at all times concerning any visits to the Health Services Office.

Health Career students will need to meet additional specific health requirements. Consult the individual programs or the Health Services Office for further information at (708) 456-0300, Ext. 3344.

Triton College/Student Policy for Drug-Free Campus

It is the policy of Triton College, District 504, to provide a "drug-free" campus environment as defined by college policy as approved by the Board of Trustees. The college policy is

made available to all students via the student handbook and is disseminated throughout the college community.

Triton College prohibits the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance within the campus environment. Appropriate sanctions include but are not limited to:

1. Required participation in an approved chemical dependency program provided by the Student Assistance Plan (SAP)
2. Disciplinary warning
3. Suspension
4. Dismissal

Such sanctions will be imposed on students found to be in violation of this policy.

Substance abuse counseling is available via the Student Assistance Program. Information regarding the Student Assistance Program is available from the Counseling department. Additional information regarding the dangers of drug abuse is available in the Counseling Center, Triton College Library and Health Services.

Alcoholic Beverage Policy

The use of alcohol at college functions is inconsistent with the institution's endorsement of the Drug-Free Schools and Communities Act Amendments of 1989 (Public Law 101-226) and its Drug-Free Campus Policy.

Alcoholic beverages may not be served on the Triton College premises except for instructional purposes (i.e., hospitality industry management and/or associated programming). In these cases, prior approval must be granted in writing through the supervising academic dean. In the service of alcoholic beverages for associated instructional purposes, the following procedures should be strictly followed:

- The serving of alcoholic beverages must be incidental to and not the primary purpose for the activity at which alcoholic beverages are served. Alcoholic beverages may only be served at catered events and associated with the delivery of a pre-approved instructional program.
- Alcoholic beverages may be served on those portions of the Triton campus that are used for food service and convention-type activities. The serving of alcoholic beverages shall be limited to participants in educational activities held in such facilities.
- No person under 21 years of age, nor anyone who is under the influence of alcohol or dangerous substances or who is disorderly in conduct, may serve, consume or dispense alcoholic beverages.
- Supervising faculty must demonstrate that they can comply responsibly with all the laws and college regulations pertaining to the use of alcoholic beverages on campus.
- No alcoholic beverages may be served until the Vice President of Business Services or designee shall be satisfied that there exists maximum insurance coverage limits so as to save harmless Triton College from all financial loss, damage and harm.

Student Assistance Plan

At Triton College, student success is a primary concern. Services are provided to assist students both academically and financially. In cooperation with Perspectives, students can receive personalized attention when they need it, quickly and privately.

The Student Assistance Plan will help assess their problems and concerns. They will be referred for the appropriate treatment and follow-up will occur to ensure that the treatment was suitable for the student.

The first step to solving a student's problems is to contact a Triton counselor at (708) 456-0300, Ext. 3588. Students should tell the counselor that they are interested in the Student Assistance Plan. The counselor will connect them with a staff member of Perspectives who will work directly with the student. If the Triton Counseling Center is not open, students may contact the Perspectives directly at (800) 866-7556. The SAP counselor will assist the student as quickly as possible.

Clean Indoor Air Policy

Triton College is dedicated to providing a healthy working environment for all of its students, employees, and guests.

As of July 1, 1990, the "Illinois Clean Indoor Air Act" took effect. This law states that "No person shall smoke in a public place except in that portion of a public place which may be established and posted."

In light of these findings, Triton College shall implement the following changes as of July 1, 2006.

- All buildings on the campus of Triton College shall be entirely smoke-free.
- There shall be no smoking within 15 feet of any building entrance.
- The Vice President of Business Service may establish designated smoking areas as deemed necessary or for special events providing adequate ventilation and disposal facilities are available.
- No tobacco products shall be sold on campus.
- All public meetings will be smoke-free.
- Triton College shall offer stop-smoking programs for those employees who smoke and would like to quit smoking.

Insurance

As a service, health and accident insurance applications are available for purchase by all registered students. This program is administered through the Health Services Office (Room B-112 in the Student Center). Students seeking admission to Nursing and Allied Health programs must provide proof of valid hospitalization insurance as required by the program. Student Athletes are required to complete insurance information forms with the Health Services Office.

Campus Ministry

The campus ministry members are on campus regularly and are responsible for providing the following:

1. Educational programming on economic and social justice issues
2. Pastoral counseling and spiritual direction
3. Information and opportunities for volunteer service
4. Retreat opportunities
5. Listening to the needs of the campus community

The ministry is available to all students, faculty and staff and is located in the Office of Student Life, Room B-120 in the Student Center. The ministry can be reached at (708) 456-0300, Ext. 3598.

Housing

The college does not offer on-campus housing. However, the Housing Office does maintain a listing of off-campus housing available to students. This is a listing of rooms, apartments and homes in the area that have been listed by community residents, real estate and management companies. It is the student's responsibility to arrange appointments to view potential accommodations. The student will sign a lease directly with the landlord. This listing is published monthly in the Housing Opportunities Bulletin.

For more information, call (708) 456-0300, Ext. 3616.

Child Care

The Triton College Child Development Center offers pre-school and toddler programs. Flex-time is a special program for students with children. While students attend classes, children learn in a safe, caring environment on the college campus.

A nominal fee per hour is charged. Children must be between the ages of 3 and 5 and must be toilet-trained.

Hours (based on enrollment) are:

7 a.m. to 5:30 p.m. — Mondays through Fridays.

The Triton College Child Development Center also offers a full-day Kindergarten from 8:30 a.m. to 3:30 p.m., Mondays through Fridays. All Kindergarten fees include before and after school care, a hot, nutritious lunch including two snacks, and all curriculum materials and supplies.

For an application and further details, contact the Child Development Center at (708) 456-0300, Ext. 3222.

Campus Activities

Every attempt is made in campus activities to integrate students' formal academic studies with personal experiences that are integral to the total learning experience.

Triton College Student Association

The Triton College Student Association (TCSA) is the umbrella organization for all of the student groups on campus and serves as the student government for the institution. Its purpose is to represent all students enrolled in a credit course at Triton College, approve allocation of Student Services fees, provide input on campus-wide student governance

committees, establish the necessary framework for the implementation of activities for students and provide leadership for the student body.

The TCSA is made up of five executive officers and 25 student senators. Officer elections are held in April and Senate elections are held in September. To join a committee, contact the TCSA Office at (708) 456-0300, Ext. 3861. Meetings are open to the public and are held every Tuesday at 2:15 p.m. in the Senate TBA, Ext. 3787, Room B-140 in the Student Center.

Program Board

The Program Board is responsible for programming student activities. The purpose of this organization is twofold: (1) to allow students an opportunity to take on a leadership role in a student activities programming capacity and exercise skill development via program planning; and (2) to provide a comprehensive program of cultural, educational and social activities for the student body of Triton College. The Program Board traditionally schedules a variety of events on campus including concerts, comedy shows, film series, leadership seminars and other special events.

Applications to join the Program Board are available in the Office of Student Life, Room B-120 in the Student Center. For further information, contact the Program Board coordinator(s) at (708) 456-0300, Ext. 3221. Meetings are open to all students and are held on a weekly basis in the Senate Chambers, Room B-140 in the Student Center.

CampusNet

CampusNet is a committee made up of representatives from all of the clubs on campus.

The purpose of CampusNet is threefold: (1) to provide a president's network which acknowledges student leaders and sponsored events from the various student organizations recognized on Triton's campus; (2) to provide leadership development training to student organization leaders; and (3) to provide a mechanism for recruitment and retention of membership for the student organizations represented.

CampusNet represents all the presidents/delegates of Triton's clubs and organizations. Meetings are open to all students and are held during the first and third weeks of every month throughout the school year in Room B-140, on the first floor of the Student Center.

Phi Theta Kappa

In 1918, the presidents of eight junior colleges for women in Missouri met to organize an honor society to recognize academic achievement. Patterned after Phi Beta Kappa, the historic and prestigious honor society for four-year colleges, Phi Theta Kappa's initial letters (PTK) for the Greek words *phrominmon*, *thuemos* and *katharotes* mean wisdom, aspiration and purity.

The 70-plus years of Phi Theta Kappa history that provides this society with its unique identity, reached its most important milestone in 1929. In this year, the American

Association of Junior Colleges (now the American Association of Community Colleges) recognized this organization as the official honor society of America's two-year colleges.

Today, more than 60,000 students, initiated by more than 1,000 chapters located in all 50 states, U.S. territorial possessions and other world countries, provide an unprecedented growth, no longer limited to a national commitment but of international accord.

On the local level, chapters belong to regions composed of a single state or a group of states. With more than 50 chapters, Illinois represents itself as a single state region. Chi Zeta chapter at Triton College exemplifies the four hallmarks of scholarship, leadership, fellowship and service.

Membership is extended by invitation. To be considered a student must:

1. be enrolled in an associate's degree program;
2. have completed at least 12 hours of course work in courses leading to the associate's degree;
3. have established a minimum cumulative grade point average of 3.5.

Students who have received an associate's degree are encouraged to join the alumni PTK organization.

More information concerning Phi Theta Kappa may be found in the student handbook, or from the office of Student Life in Room B-120 or by calling (708) 456-0300, Ext. 3752.

Academic Co-Curricular Activities

The School of Arts and Sciences promotes a variety of student activities that support and extend the academic program. The student paper, *The Fifth Avenue Journal*, relies upon the work of students from mass communications, visual communications, creative writing and other areas. The Theater department offers four major productions each year. All students are welcome to audition or to work as technicians. Music faculty and students form the award-winning Triton Jazz Band, the Triton Community Concert Band and the Triton College Choir. Concerts and recitals are presented regularly. The Triton College Art Gallery features exhibitions of student, faculty, community and professional artists.

In the social sciences, Triton offers participation in two unique programs, Model Illinois Government (MIG) and Model United Nations (MUN). Students are selected to participate on a competitive basis. MUN gathers students from around the nation and world to simulate the deliberations of the UN for a full week at UN Headquarters in New York. MIG gathers more than 200 students from around Illinois in Springfield to simulate the functioning of the Legislature.

In the sciences, Triton sponsors the Science Lecture Series. Two times each semester, prominent scientists and educators are invited to speak on their research and interests to students, faculty and staff.

Arts and Sciences also sponsors poetry readings and a poetry competition in the English department.

Cernan Earth and Space Center

The Cernan Earth and Space Center of Triton College is a unique and exciting place for persons of all ages. The facility houses a 100-seat dome theater, a Space Hall with exhibits on space exploration and astronomy, and the Star Store gift shop.

The Cernan Center is equipped to present a variety of innovative multimedia planetarium programs, C-360 wraparound films and exciting laser light shows. These programs are presented to the public on Fridays, Saturdays and Sundays.

Triton College students (with a current semester I.D.) are admitted to programs at a discount rate.

For more information, call the Cernan Earth and Space Center at (708) 456-0300, Ext. 3372. For current program information, call (708) 583-3100, or visit the Web site at: www.triton.edu/cernan.

Intercollegiate Athletics

The Triton College Athletic department welcomes all interested students to take part in intercollegiate athletics. All students must be full time and meet GPA requirements in order to qualify. The following sports are offered as part of the athletic program:

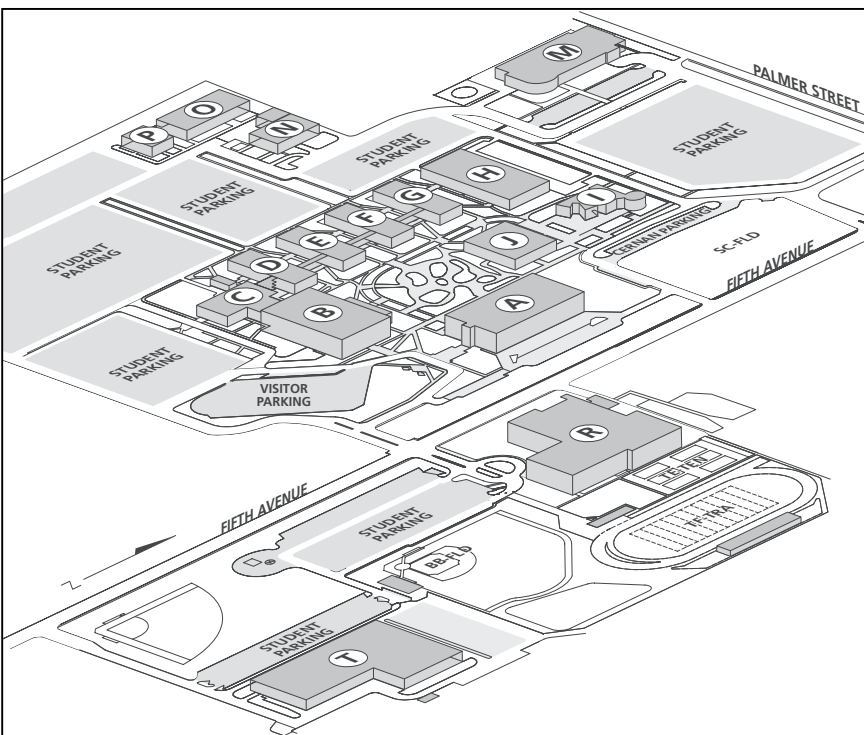
Men's	Women's
Baseball	Basketball
Basketball	Softball
Soccer	Soccer
Wrestling	Volleyball

Triton's athletic teams are nationally recognized throughout the country. It continues this strong tradition by winning championships, developing All-Americans and placing its student-athletes at four-year universities. As a member of the National Junior College Athletic Association (Region IV), Triton gives its athletes the opportunity to challenge the nation's top athletic programs.

For more information on any of these sports, call (708) 456-0300, Ext. 3784, or visit the Athletic Office in Room R-202 on the east campus.

Recreational Activities

Swimming Pool and Fitness Center—The Triton College swimming pool is available for class credit or for personal fitness through enrolling in PED 108. The indoor pool is a six-lane, 25-yard pool. The Fitness Center can be used through a class (PED 106) and features a full Super Circuit of Universal variable resistance equipment. The Fitness Center also includes high-tech Trotter equipment, stairmasters, treadmills, a recumbent bike and a Concept II rower, backed by an indoor track. These facilities are located in the Robert M. Collins Center.



On-Campus Building Codes

- A Learning Resource Center Building (Adult Education, Cashier's Office, Library, School of Continuing Education, Testing Center, Center for Access and Accommodative Services)
- B Student Center (Admission and Records, Welcome Desk, Financial Aid)
- C Bookstore
- D Science Building
- E Liberal Arts Building
- F Business Building
- G Health Building
- H Technology Building
- I Cernan Earth and Space Center
- J Fine Arts Building (Gallery)
- M Advanced Technology Building
- N Triton College Police Station
- O Physical Services Building
- P Human Resources, Payroll Department
- R Robert M. Collins Center (Triton College Performing Arts Center, Older Adults Center, Fitness Center, Pool)
- T Industrial Careers Building
- BB-FLD Baseball Field
- SC-FLD Soccer Field
- TE-TEN Tennis Courts
- TF-TRA Track Field

Academic Information



Grading System

Triton College will use the following system of grading for all courses in all programs (except where indicated):

A	Excellent	4 points per semester hour
B	Good	3 points per semester hour
C	Fair	2 points per semester hour
D	Poor	1 point per semester hour
F	Failure	0 points per semester hour
I	Incomplete	0 points per semester hour
W	Withdrawn	No penalty
P	Pass	Credit only, no grade-point value
R	Reschedule	No penalty, no credit
T	Audit	No penalty, no credit

Grades of "P" or "R"; "P" or "F" are assigned in specific approved courses based on individual academic department policy. (Students should contact the instructor for information on pass/fail grades.)

Computing the Grade-Point Average

A student's overall academic record is stated in terms of a grade-point average (GPA). The formula for computing the GPA is as follows:

Grade points (see "Grading system" above) x semester hours graded "A" through "F"/semester hours graded "A" through "F" = GPA.

Example: If a student earns an "A" in a course with five semester hours of credit and a "C" in a course with two semester hours of credit, his/her GPA would be computed:

$$\begin{array}{r} 4 \times 5 = 20 \text{ grade points} \\ 2 \times 2 = 4 \text{ grade points} \\ \hline 24 \text{ grade points/seven total semester hours} \\ = 3.429 \text{ GPA.} \end{array}$$

Academic Honors

Triton College encourages academic excellence and officially recognizes outstanding student achievement by designation to the President's Honors List for students with a semester grade point average of 3.75 or higher and Dean's Honors List for students with a semester grade point average of 3.50 to 3.74.

Records will be reviewed at the end of the fall and spring semesters to determine honors eligibility. No more than 50 percent of the semester hours completed during the period for which honors are awarded may be college success courses (numbered 001-099).

- **Full-time students** — Students who complete a minimum of 12 semester hours in one semester will be eligible for academic honors.
- **Part-time students** — Students who complete fewer than 12 semester hours during one semester will be eligible for honors when they have completed a total of 12 semester hours. Students' records will be reviewed for honors eligibility upon completion of each increment of 12 semester hours with no carry-over from the previous period of honors eligibility.

(Graduation honors are based on cumulative GPA.)

Academic Support Programs

The Academic Support Programs are those areas of the college where students of all academic levels are assisted in successfully completing their programs. They offer direct instruction in college success mathematics, writing and reading, for students who need to begin their academic careers in those courses. Direct instruction also is offered in Literacy, GED, Adult Education, and English as a Second Language through the Adult Education department.

All students are encouraged to take advantage of the tutoring services offered by this department. Students who are tutored have a much higher success rate than those who are not. Tutoring is provided at no cost to more than 4,000 students each year through the Academic Success Center, the MathPower Headquarters and the Writing Across the Curriculum Center.

For more information, contact the Academic Support Programs at (708) 456-0300, Ext. 3485 or 3470, or visit the Learning Resource Center, Room A-100. Additional information can be found on the Triton College Web site: www.triton.edu/depts/asc.

Scholars Program

The Scholars Program at Triton College offers a unique college alternative for academically superior students. Students admitted to the program can anticipate a demanding course of studies yielding an associate's degree and excellent opportunities to transfer to competitive four-year colleges and universities. Qualified students receive full in-district tuition and fee waiver, freeing their financial resources for the final two years of baccalaureate work. Students will be admitted to the program based on their academic ability and potential which is measured by:

- an ACT score of 25 and/or a minimum cumulative grade point average of 3.35
- faculty recommendation
- personal interviews and other academic indicators

The application process is managed in cooperation with the public high schools in the Triton district. Foreign students are not eligible for this scholarship. For more information about the Scholars Program and an application form, contact your high school counselor, the Scholars Program director or the Office of the Dean of Arts and Sciences at Triton College at (708) 456-0300, Ext. 3508.

Honors Study

The opportunity for honors study is available through general petition into Scholars Program course sections (see above). These courses are designed, a maximum of two per semester, to provide an intellectual challenge for the serious student. Courses completed in the program can be noted on the student's official college transcript as "honors."

To qualify for the Honors Program, students must have a GPA of 3.5 or greater in 12 hours of college level credit courses completed at Triton. A tuition waiver for up to two courses will be provided upon admission to scholars' classes. Admission to scholars classes does not indicate admission to the Scholars Program.

For additional information, contact the director of the Scholars Program or the Office of the Dean of the School of Arts and Sciences at (708) 456-0300, Ext. 3508.

Standards of Academic Progress Policy

The college is committed to helping students attain their educational goals. The Standards of Academic Progress are intended to identify students who seemingly are making little or no progress and help them correct academic weaknesses as early as possible. The standards include limits on the number of credits for which students may register and prescribe specific kinds of assistance. A student's academic progress will be reviewed at intervals of each 12 semester hours attempted.

- **Academic warning** — 6-12 semester hours attempted with completion of less than 50 percent of semester hours attempted or cumulative GPA of less than 2.00.

Academic warning is indicated on the grade report. Students are required to review their academic program with a counselor prior to enrollment for the next semester.

- **Academic probation** — 13-24 semester hours attempted with completion of less than 50 percent of semester hours attempted or cumulative GPA of less than 2.00.

Academic probation is indicated on the grade report. Students may enroll for a maximum of 12 semester hours and are required to review their academic program with a counselor prior to enrollment for the next semester. Students will be required to take COL 1020, Being Successful in College. They also may be required by the counselor to engage in one or more of the following: (1) college success courses, (2) CSG 1500, Career/Life Planning, (3) workshops.

Academic suspension — 25-36 semester hours attempted with completion of less than 50 percent of semester hours attempted or cumulative GPA of less than 2.00.

Academic suspension is indicated on the grade report. Students are required to discontinue enrollment for one semester (fall or spring).

Students are eligible to apply for readmission to the college after the suspension period. Admission will be on a petition basis; in order for readmission to be approved, the petition must present evidence of some change in the student's circumstances. The petition must be approved by a counselor.

If a student is readmitted, the student must review his/her academic program with the counselor prior to enrollment for the next semester. Students may be required by the counselor to engage in one or more of the following: (1) an assessment program, (2) college success courses or (3) CSG 1500 Career/Life Planning course.

- **Academic dismissal** — More than 36 semester hours attempted with completion of less than 50 percent of semester hours attempted or GPA of less than 2.00.

Academic dismissal will be indicated on the grade report. Students are required to discontinue enrollment for one year.

Students are eligible to apply for readmission to the college after the dismissal period (one year). Admission will be on a petition basis; in order for readmission to be approved, the

petition must present evidence of some change in the student's circumstances. The petition must be approved by a counselor.

If a student is readmitted, the student must review his/her academic program with the counselor prior to enrollment after dismissal and may be required by the counselor to engage in one or more of the following: (1) an assessment program, (2) college success courses or (3) CSG 1500 Career/Life Planning course.

Mandatory Enrollment in COL 1020, Being Successful in College

When students consistently underachieve academically, the institution shall take a pro-active position in order to improve academic performance. Specifically, students on academic probation have demonstrated inadequate academic performance, resulting in a cumulative grade-point average below 2.0. In order to correct or improve on academic performance: (1) Students who have completed 12 credit hours and have a cumulative GPA below 2.0 shall be required to enroll in COL 1020, Being Successful in College, in the next semester, (2) This policy shall be mandated for students placed on academic probation as a result of course work completed during the previous 12 months.

Responsibility of Student

It is the responsibility of the student to know and to observe the requirements of his/her curriculum and the rules governing academic work and college policies. Triton counselors are available to assist students; however, the ultimate responsibility for meeting all requirements and deadlines rests with the student.

For information on college policies and procedures, refer to the college catalog or the student handbook. Student handbooks are available online or through the Student Life Office, Room B-120 in the Student Center.

Classroom Behavior

Access to higher education is a privilege. It is earned by one's prior academic achievement, one's demonstrated abilities and interests, and one's ability to benefit from instruction. Once gained by admittance to the college, the privilege needs to be guarded and maintained. Actions and behavior that violate the college's published administrative and academic policies and procedures, and academic records that do not meet the college's Standards of Academic Progress, may lead to student suspension from class or from the college. Students are especially reminded that appropriate classroom behavior is prescribed by the instructor. If an instructor determines that certain behaviors are disruptive or affect the instructional purposes of the classroom, the instructor may impose certain sanctions. These include suspension from the class for the day affected or a three consecutive school day suspension. The latter sanction must be accompanied by a written statement of

the incident which must be sent to the dean of Student Services. The dean will conduct a hearing to resolve the case and may impose further sanctions, if warranted. In all cases, the student will be informed of all action taken on behalf of the college.

Academic Honesty Policy

Triton College closely adheres to principles of academic honesty and integrity. The academic honesty policy is designed to inform students and faculty of the expectations and procedures associated with the honest pursuit of a Triton College education. Overall, academic achievement is a product of personal commitment, and investigation of knowledge, and a pursuit of independent and honest work, both in and out of the classroom. All forms of cheating deprive the student of achieving true academic success and are therefore, considered a serious violation. Furthermore, all incidents of cheating will result in a disciplinary response from college officials.

Below is a non-inclusive list of behaviors that are considered to be violations of academic honesty.

Examples of Academic Dishonesty

- copying someone else's work or answers
- allowing another student to copy your work or answers for internal or external class assignments
- using materials or information hidden on one's person during quizzes and examinations
- obtaining and using tests and answers in an unauthorized fashion
- providing course materials such as papers, lab data, reports, or answers to be used by another student
- fabricating information for the purpose of completing an assignment, quiz, exam or presentation
- taking an exam in place of another student or having someone take an exam in your place
- turning in the same paper to two different classes without receiving permission from both instructors
- copying a computer program for unauthorized use
- breaking into or utilizing college owned computer files in an unauthorized manner
- altering a grade sheet or forging a signature on an academic document
- enrolling in a telecourse while serving as an employee in the Media Center or within six months of termination

Another example of academic dishonesty, known as plagiarism, is less simple to define, but is nonetheless considered a serious violation. When using direct quotes or ideas created by someone other than yourself, it is imperative that the source of information be clearly identified. It is appropriate and acceptable to borrow ideas, thoughts and data from other sources as long as the original authors receive credit for their contributions through referencing.

Examples of Plagiarism

- borrowing or paraphrasing (other than common knowledge) for a paper without referencing the source
- intentionally or knowingly representing the words or ideas of another as your own
- purchasing a term paper or having someone write a paper to submit as your own work

All members of the Triton College community including faculty, staff and fellow students share responsibility for maintaining an academically honest learning environment. Therefore, all members of the Triton College community are eligible to report apparent acts of academic dishonesty to the Dean.

Below is a non-inclusive summary of consequences that may result from student violation of the academic honesty policy.

Consequences of Academic Dishonesty

- a failing grade for the assignment in question
- a failing grade for the course
- placement on academic probation
- a notation on the academic transcript stating, "Student violated academic honesty policy" for a specific course
- an immediate suspension from the class for one or more class sessions
- administrative withdrawal from the course in question
- administrative withdrawal from the student's major or related majors as determined by the dean
- suspension or academic dismissal from Triton College

The decision of the academic dean or the Dean of Student Services is final. Thereafter, any student grievances must be submitted in writing within thirty calendar days of the disciplinary hearing to the Student Life Committee, Student Center, Room B-100, 2000 Fifth Avenue, River Grove, Illinois, 60171. The request for a grievance hearing must include a brief summary of the alleged incident in addition to reasoning as to why the disciplinary process did not adequately serve the rights of the student who was deemed to be in violation of the academic honesty policy.

Disciplinary Probation and Disqualification

Students who fail to comply with Triton Community College policies, regulations, and rules will be subject to disciplinary action, including dismissal from the College. Disciplinary hearings will be facilitated through the Dean of Student Services office or designee, and conducted by the Student Conduct Committee. The Student Conduct Committee will be appointed by the Vice President of Student Affairs and membership will be reviewed on an annual basis.

In cases of suspension or dismissal, the decision of the Student Conduct Committee may be grieved through the Student Life Committee. In cases which involve academic concerns, grievances will be initiated with instructor, department chairperson, and academic dean. The decision of the academic dean is final.

A student accused of violating College policies and/or regulations may be diverted from the disciplinary process if it is determined that the student is suffering from a psychological disorder and, as a result of the psychological disorder, engages or threatens to engage in a behavior which poses a danger of causing physical harm to self or others, or would cause significant property damage or impedes the lawful activities of others.

Standards and Procedures for Voluntary and Mandatory Withdrawal

A student accused of violating college disciplinary regulations may be diverted from the disciplinary process if it is determined the student is suffering from a mental disorder, and as a result of the mental disorder:

- (a) engages or threatens to engage in behavior which poses a danger of causing physical harm to self or others, or
- (b) engages or threatens to engage in behavior which would cause significant property damage or impedes the lawful activities of others.

These procedures are outlined in the student handbook which is available in the Office of Student Life, Room B-120 in the Student Center.

Procedures for Regulating Student Performance in Clinical Education

Clinical education is an integral component of most Health Career programs. In these programs, students learn in a combined format of classroom, laboratory and clinical practice designed to develop safe, competent practitioners. In the clinical setting, the client's (patient's) welfare and safety must be considered. Therefore, it is important for students and faculty to follow procedures which are objective, consistent and fair when the student's clinical performance is unsatisfactory. Procedures for addressing unsatisfactory performance in a clinical setting are outlined in the student handbook, available in the Office of Student Life, Room B-120 in the Student Center.

Academic Placement

As a comprehensive community college, Triton College has a fundamental responsibility to provide educational opportunities for community residents able to benefit from college-level instruction.

In accordance with this objective, the institution expects all students to either possess at the time of admission or acquire through appropriate developmental coursework the basic reading, writing, and mathematical skills that are necessary for success in the course or program of study chosen by the student.

Therefore, the institution requires all new students enrolling in credit courses to take institutional placement tests in mathematics, reading, and writing prior to enrolling in their

first course at the College. The following exemptions are permitted: prescribed ACT and/or SAT scores within the last two years in English, Reading, and/or Math; approved documentation of college level coursework in English and/or Math with a grade of "C" or better from a regionally accredited institution; or exceptions granted by an appropriate College Dean or designee.

The placement test results are valid for two calendar years. Students are allowed to retake the placement test once each year; they must allow a one-week waiting period before completing the first retest. A retesting fee will be charged for each subject area test. If students are currently enrolled in the discipline, they will only be allowed to retest after completion of the course in which they are enrolled. The highest scores will be used for placement.

Students scoring in the developmental range on the English placement test must enroll in appropriate college reading and/or writing courses prior to registering for 12 or more academic credit hours.

Upon instructor recommendation, a student may be referred to the Counseling Department for other assessment of academic skills. Based upon a basic skills assessment, the counselor may require the student to withdraw or take appropriate developmental courses.

Students, who do not possess a high school diploma or equivalent, may not receive financial aid until the "ability to benefit" testing requirement is fulfilled. These guidelines are in accordance with the Department of Education's "ability to benefit" regulations.

"Students must submit a high school diploma or its equivalent to the Office of Admission prior to receiving Title IV aid at Triton College. Those students in GED, ESL, and high school completion programs (who are enrolling in credit courses) may only be eligible to receive financial aid if they have taken the Testing of Adult Ed. (TAE) and score at Level D (or above), Forms 5 or 6 examinations.

Schedule Changes/Withdrawals

Students who officially drop from courses during the schedule adjustment period — first week for a full semester course and first two days of a summer term — will not be assigned a grade for the course(s).

Students who do not officially drop/withdraw from courses in which they are enrolled may be assigned a failing grade ("F") even if they never attend the class. Add/Drop and Withdrawal forms are available from the Welcome Counter, Student Center and at each of the counseling offices.

The "W" grade will be assigned as follows when students officially withdraw from a course:

- From the beginning of the second week through the 12th week of a full semester course
- Until 75 percent of the term has elapsed for courses scheduled for less than a full semester.

Students are responsible for official withdrawal from courses. Any informal arrangements they make with the instructor or any other college staff member may result in a failing grade for the course. Withdrawal forms must be submitted to the registration center in the Student Center. Students should consult a current class schedule for specific withdrawal dates for each term.

Incomplete Grades

If a student is passing and misses the final examination with the authorization of the appropriate dean or fails to complete a major assignment, the instructor may assign a grade of "I" — Incomplete.

Removal of Incomplete — An "I" grade will become an "F" grade on the student's permanent record unless the required course work is completed within 30 calendar days after the beginning of the next regular semester (i.e., fall or spring term).

Change of Grades

Students may challenge a final grade given by an instructor by first presenting their grievances to the instructor in question. Students may further pursue a grievance by consulting with the chairperson who supervises that instructor, and, finally, with the dean who supervises the chairperson. The decision of the academic dean will be final.

Repeating a Course

Students may repeat a course in which they have received a "D" or "F" grade, but may not receive credit for the course more than once. Only the higher of the two grades will be used in computing the grade point average. If students repeat a course in which they have received an "A", "B", or "C" grade, they will not receive credit for the repeated course, and the grade points will not be counted in the students' record. The only exception is for courses noted in the "Course Descriptions" section of the catalog as those that may be repeated for full credit. In all cases, both grades will remain on the students' official college transcript. This policy pertains only to courses taken and repeated at Triton College. In order to benefit from this provision, the student is responsible for submitting a Petition for Repeated Course upon successful completion of repeated course.

Auditing a Course

Auditing of courses is not encouraged; however, in some cases it may be permitted if there is room available after students enrolling for credit are accommodated. **Late registration is the only time students may register to audit a course.** Students must receive written permission from the instructor via a general petition to audit a course. Students may preregister for all courses except those intended for audit. The cost of auditing a course is the same as that charged for enrolling for credit.

Cancellation of Courses by the College

The college reserves the right to cancel any course for which there is insufficient enrollment or for other reasons as judged necessary.

Semester Hour Course Load

Seventeen semester hours constitute the normal semester course load at the college. In some cases, it may take more than four semesters of 17 semester hours to complete the program requirements. In such situations, summer attendance or an extra semester may be necessary. A student is considered as "full-time" if the semester-hour course load is 12 hours or more.

For many students, a 17-semester-hour course load will be an extremely heavy schedule. New students should consider taking a lighter course load for the first semester. In unusual circumstances, it may be necessary for a student to carry more than the normal course load. Permission to carry such course load may be granted to individual students depending on their academic record and other pertinent factors. Such permission is only granted by a counselor or the dean of Enrollment Services or their designee depending on the proposed course load.

Class Attendance

Inasmuch as regular class attendance contributes substantially to learning, students are expected to attend all scheduled meetings of each course. However, since attendance requirements vary, the number of absences permitted also will vary from one course to another. The instructor will inform the class of attendance policies.

Students who are absent from class are responsible for the completion of assignments made during their absence.

Students may be terminated from class by the instructor for excessive absence. The student may petition to the instructor for readmission to classes through a general petition which must be signed by the instructor.

Privacy Act & Directory Information

Students will be annually informed of the Family Education Rights and Privacy Act of 1974 through the Student Handbook. Copies of the college's policy are available in the Office of Admissions (Room B-216E in the Student Center.)

A directory of records for all students will be maintained by the college. There will be three categories of directory information: 1) name, address, telephone number, dates of attendance and class; 2) previous institutions attended, major field of study, awards, honors and degree(s) conferred and associated dates; and 3) past and present participation in officially recognized sports and activities, physical factors such as height and weight of athletes and date and place of birth.

To withhold directory information from disclosure, students

must notify the Admission and Records Office in writing at the beginning of each semester. Failure to make such a written request will indicate approval to disclose directory information by the college for any purpose, at its discretion. The vice president of Academic Affairs and Student Services will review and approve all requests for student directory information. Directory information will be provided when the vice president determines it is in the best interest of Triton College students. (All student records are maintained in the Records Office, Room B-216E in the Student Center.)

Change of Student Records

In accordance with the provisions of the Family Educational Rights and Privacy Act of 1974, students may appeal the accuracy of their permanent record. This right to a hearing does not permit a student to contest the grade given by the instructor, but only the accuracy of the record that contains the grade. Appeals should be filed with Admission and Records, Room B-216E in the Student Center.

Final Examinations

Final examinations/evaluations are held in all subjects according to the schedule. No examination will exceed two hours in length. No student will be excused from the final examination. Should any unusual circumstances develop requiring a special examination at a time other than which is scheduled, special authorization must be secured from the appropriate academic dean. Failure to secure this authorization will result in a final grade of "F" or, at the discretion of the instructor, in a reduced grade.

Under certain circumstances, special early examination arrangements may be approved.

Transcripts

Transcripts, a permanent record of courses and credit, are provided by the Records Office. The fee is \$3 per transcript. Students must complete a Transcript Request available in their student portal at www.triton.edu. The fee is subject to change.

Acceptance of Academic Credit

Students may seek academic credit for courses completed at other institutions or other relevant experiences. The following conditions apply:

Only those credits that are applicable to the student's curriculum at Triton College will be accepted.

Transfer Credit

Academic credit is generally accepted only from institutions that are accredited by one of the regional accrediting associations approved by the Council on Higher Education Accreditation. All foreign/non-English transcripts must be evaluated by a NACES member. NACES stands for the National Association of Credential Evaluation Services. They can be reached at www.naces.org.

CLEP

Triton College follows the guidelines of the Illinois Community College Board in accepting credit from the general examinations of College Level Examination Program. Students may earn up to 30 hours of credit through such examinations.

CLEP General exam credit*	Triton credit awarded for CLEP general exam
English Composition - six semester hours credit	Three to six semester hours credit will be applied to communications general education requirements. If the student has completed RHT 101 or RHT 102, three semester hours of CLEP will be awarded. If the student has completed both RHT 101 and RHT 102, no CLEP credit will be awarded.
Humanities and Fine Arts - six semester hours credit	Three to six semester hours credit will be applied to humanities general education requirements or electives.
Mathematics - six semester hours credit	Three to six semester hours credit will be applied to mathematics general education requirements or electives.
Physical and Life Science** - six semester hours credit	Three to six semester hours credit will be applied to science general education requirements or electives.
Social and Behavioral Science - six semester hours credit	Three to six semester hours credit will be applied to social and behavioral science general education requirements or electives.

*Students who earn six semester hours of CLEP credit in any of the five general exam areas are advised to enroll in advanced or specialized courses, as the freshman level or introductory courses may be repetitive. Students should consult with a counselor or an enrollment facilitator before registration.

**Students may not substitute CLEP credit toward a laboratory science course requirement.

Proficiency Examinations

Academic credit or advanced placement may be granted following either a review of the content of specific courses or proficiency examination in compliance with individual department policies and subject to approval by the department chairperson and the appropriate dean.

Portfolio Development Program

The Portfolio Development Program allows students to identify and document college level learning acquired through life and work experiences. The portfolio is reviewed by the appropriate academic instructor and/or department chairperson who assesses the information presented. The

department chairperson may recommend:

- a. No credit awarded
- b. Credit for specific course to be awarded, or
- c. Credit for specific course awarded after specific conditions have been met.

Military

The College follows the recommendation of the American Council on Education in granting four semester hours of undergraduate credit in physical education and two semester hours of credit for health for education received in Basic Training. In addition, courses completed in training may also be accepted for college credit.

Sports Participation

Two semester hours of credit may be granted in physical education to students for approved sports participation on college teams. Students must register for a class that corresponds to the varsity sport to receive credit. Credits for such sports participation may be only granted once for a given sport.

Sport	Corresponding P.E. Class
Baseball (Men's)	PED 127, PED 106
Basketball (Men's & Women's)	PED 130, PED 106
Soccer (Men's & Women's)	PED 128, PED 106
Softball (Women's)	PED 127, PED 106
Volleyball (Women's)	PED 129, PED 106
Wrestling	PED 118, PED 106

Advanced Placement (CEEB)

Students may be granted credit through successful performance on any of the Advanced Placement (AP) Tests of the College Entrance Examination Board. Students are responsible for submitting the scores to the Office of Admission and for petitions requesting the granting of such credit. Credit awarded in this manner will be added to the semester hours earned but not the semester hours attempted or the grade points. Effective for new incoming freshmen, Summer 1998 and thereafter, students planning to transfer as part of the new Illinois Articulation Initiative (IAI) should note that passing scores on appropriate AP exams may be used to fulfill general education core requirements for students only if an associate in arts or an associate in science degree is earned prior to transfer.

ASE Certification

The college follows the recommendations of the American Council on Education in granting credit for ASE (National Institute for Automotive Service Excellence) certification. Students enrolled in the Automotive Technology (AUT) degree(s) or a related certificate program may receive course credit for areas they are certified in by ASE. Interested students should contact the Counseling department at (708) 456-0300, Ext. 3588.

Scheduling Solutions

Triton College provides a variety of class times, course lengths and locations to accommodate students' needs. Scheduling options include:

Fast Track Classes

The Triton College Fast Track Program is an accelerated program which gives students the opportunity to complete their associate's degree by attending classes throughout the week or on the weekend. Students meet for longer class sessions than they would for semester-length classes, but they cover the same course content. Seven-week courses are offered at the beginning of each semester, as well as at midterm. Eight-week and five-week courses are offered during the summer session.

Off-Campus Credit

A limited selection of daytime and evening classes are offered at Triton extension centers, including area high schools. This arrangement eliminates the time and cost of traveling to campus and allows students to attend classes close to home. (See community map in the back of this catalog for locations.)

Weekend Classes

Weekend College is primarily designed for those individuals who prefer intensive weekends of study. There are different scheduling options. Some courses meet the full semester while others are Fast Track classes. By choosing from these many scheduling options, students can organize their classes around their jobs, family obligations and transportation needs.

Distance Learning

Triton College offers a variety of classes through distance learning. This delivery method allows the student to complete online courses with limited or no required on-campus visits. An online course provides the same course content as a face-to-face classroom course. Triton College offers many online General Education courses and Career and Technical Education courses designed to provide flexibility for students to complete programs of study.

State Authorization and Complaint Resolution

Triton College is currently authorized to offer Distance Learning programs in multiple states with further sites pending approval. Triton College Online students from out of state should attempt to resolve any issues or complaints with College faculty and administration first. Typically, working directly with the College, students can satisfactorily resolve any issues. In addition, the U.S. Department of Education requires that institutions offering distance learning provide students and prospective students with contact information for filing complaints with any relevant state official or agency that would handle student complaints. A Directory of State Authorization Agencies and Lead Contacts can be accessed at SHEEO (State Higher Education Executive Officers) www.sheeo.org/stateauth/stateauth-home.htm. You may also contact North Central Association of Colleges and Schools, Higher Learning Commission.

They may be reached at:
 The Higher Learning Commission
 230 South LaSalle Street
 Chicago, Illinois 60602-2404
 Telephone: (800) 621-7440
 Web site: www.ncahlc.org



Degree and Certificate Requirements

Triton College recognizes the educational achievement of its students by granting the associate in arts degree, associate in arts in teaching degree, the associate in science degree, the associate in applied science degree, the associate in general studies degree, the associate in fine arts degree, the career certificate and the advanced career certificate.

Students who complete a degree or certificate program without interruption must satisfy the requirements specified in the college catalog for the year in which they first enrolled. If degree or certificate requirements are changed after enrollment, the student may choose to satisfy the new requirements.

Those who re-enroll after withdrawal from the college for at least one year must satisfy the requirements specified in the catalog for the year in which they re-enter.

Academic procedures, regulations and fees are subject to changes that may go into effect at any time.

Application of Certificates Toward Associate in Applied Science Degree

Students are allowed to apply credits earned in career certificates and advanced career certificates toward the associate in applied science degree (AAS). However, students who complete the requirements for the associate in applied science degree (AAS) and the career certificate in the same occupational area will not be eligible for simultaneous awards of the associate in applied science degree and the career certificate.

Pre-Baccalaureate Degree Completion Opportunities

Illinois Articulation Initiative

The Illinois Articulation Initiative (IAI) is a statewide agreement that allows transfer of the completed General Education Core Curriculum between participating Illinois institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate's or bachelor's degree have been satisfied. This agreement is in effect for students entering an associate or baccalaureate degree-granting institution as a first-time freshman in summer 1998 and thereafter. For a complete list of participating Illinois colleges and universities, visit the Web site at www.iTransfer.org.

Compact Agreement

The articulation compact is an agreement between public and private four-year colleges/universities and Illinois community colleges. Graduates of Illinois community colleges who have completed an associate in arts (AA) or an associate in science

(AS) degree are accepted as having "junior status" at the following colleges and/or universities: Aurora University, Chicago State University, Concordia University, Eastern Illinois University, Governor's State University, Illinois State University, Northeastern Illinois University, Northern Illinois University, Southern Illinois University, University of Illinois at Springfield and Western Illinois University.

AA and AS degree students transferring to these institutions are considered to have met the lower division general education requirements. Certain programs of study at the senior transfer institution may require additional prerequisites beyond those specified in the institution's general education requirements. For additional information, students are encouraged to contact their counselor.

2 + 2 Agreements

These agreements define two years of specific Triton course work that would allow for transfer into specific programs of study at participating four-year institutions. The agreement(s) also define(s) the two years of course work required at the senior institution for completion of the baccalaureate degree. For additional information, students are encouraged to contact a counselor.

Capstone Agreement

While the associate in applied science (AAS) degree is not intended to transfer, some participating four-year colleges will accept the AAS degree in its entirety for specific program majors (technology, criminal justice, etc.). Students should substitute transferable courses for those AAS degree requirements whenever possible. For a list of four-year institutions that participate in the capstone agreement, contact a counselor.

Second Associate's Degree

A student may earn a second associate's degree by meeting the following:

1. The general education requirements for the second degree.
2. Program requirements for the second degree.
3. Completion of 15 additional semester hours in residence that do not apply to the first degree.

Degree Graduation Requirements

It is the student's responsibility to see that all graduation requirements are satisfied. Students are encouraged to consult with a counselor to monitor their educational progress.

A degree, career certificate, or advanced certificate is not automatically conferred upon completion of Triton College curriculum requirements. Candidates must file a 'Petition for Graduation' with the Records Evaluator according to published deadline dates. Deadline dates are listed in the calendar section of the catalog, various publications, and in the Office of Admission.

Candidates for May graduation, as well as August and December graduates, are encouraged to participate in the annual commencement exercises held at the end of each spring semester. Students completing any degree or certificate program will have up to one year to participate in a commencement ceremony. Exceptions will be approved by the Dean of Student Services.

The following requirements also must be met to qualify for graduation with an associate's degree:

College Success Courses

College success courses (numbered 001-099) may not be used to meet graduation requirements. Courses numbered 001-099 taken prior to fall 1980 may not be classified as developmental. Contact a counselor for further information.

Articulated Courses

Courses that have been articulated with at least three individual colleges or universities in Illinois or approved by an Illinois Articulation Initiative (IAI) panel are identified by the "Q" symbol following courses numbered 100-299 (i.e., RHT 101Q). Such courses include: 1) arts and sciences courses designed to transfer to colleges and universities; and 2) articulated career courses (with limited applicability to transfer institutions). When making transfer plans, students should check with the college or university they plan to attend

to assure these courses will transfer. For more information consult with a counselor, or stop by the Transfer Center in the Student Center, Room B-100.

Physical Education Elective

A maximum of six semester hours of physical education activity courses (PED courses numbered below 150Q) may be used as electives to fulfill graduation requirements.

Semester Hour Requirement

Students must complete the number of semester hours and all requirements specified for the particular curriculum in which the degree is awarded.

Residence Requirement

Students must complete at least 15 of the last 18 semester hours of course work in residence at Triton College.

Grade-Point Average Requirement

Students in arts and sciences curricula must achieve a minimum cumulative GPA of 2.00 ("C" average) in all courses attempted. Students in career education curricula must achieve a minimum cumulative GPA of 2.00 in all courses used to fulfill graduation requirements. RHT 101 and RHT 102 must be a "C" or better to fulfill IAI and graduation requirements from Triton College.

General Education Requirements and Minimum Semester Hours

Area	Degree Type									
	AA	AS	AGS	AAS	AFA		AAT			
					Art	Music	Secondary Math	Secondary Science	Early Childhood Ed.	Special Ed.
Communications	9	9	6	6	9	9	9	9	9	9
Social & Behavioral Science	9	9	3	3	6	6	9	6	9	9
Health/Physical Fitness	0	0	0	2	0	0	0	0	0	0
Humanities & Fine Arts	9	9	3	1-3	6	6	9	6	9	9
Mathematics	3	6	3	*	3	3	5	8-10	6	6
Physical & Life Science	8	8	*	*	8	8	8	9	7	8
Minimum general education semester hours	37-41	40-41	24	15	32	32	40	38	40	41
Program requirements & electives	23-27	23-24	40	49-59	30	35	23	25	24	21
Minimum semester hours for graduation	64	64	64	64-72	62	64	63	63	64	62

*Mathematics or Science (three hours)

AA – Associate in Arts Degree

AAS – Associate in Applied Science Degree

AS – Associate in Science Degree

AFA – Associate in Fine Arts Degree

AGS – Associate in General Studies Degree

AAT – Associate in Arts Teaching Degree

Certificate Graduation Requirements

The certificate is awarded to students in career education certificate curricula (up to 50 semester hours or more) who meet the following requirements:

Course Completion Requirement

The certificate is awarded to students who complete all requirements specified in a certificate curriculum.

Cumulative Grade-Point Average Requirement

Students must achieve a minimum cumulative GPA of 2.00 ("C" average) in all courses used to fulfill graduation requirements.

Residence Requirement

Students must complete at least one-half of the total required semester hours at Triton College, and the last six semester hours.

High School Transcript Requirement

You must submit official high school or GED transcripts to fulfill graduation requirements.

Advanced Career Certificate Completion Requirements

Advanced certificates are career education certificates that require a substantive set of prior skills or knowledge base to build upon. They are awarded to students who meet the following:

Course Completion Requirement

Advanced career certificates are awarded to students who complete all requirements specified in an advanced career certificate curriculum.

Cumulative Grade-Point Average

Students must achieve a minimum cumulative GPA of 2.00 ("C" average) in all courses used to fulfill certificate completion requirements.

Residence Requirement

Students must complete at least one half of the total required semester hours at Triton College, including the last six semester hours.

High School Transcript Requirement

You must submit official high school or GED transcripts to fulfill graduation requirements.

Graduation Procedures

It is the student's responsibility to see that all graduation requirements are satisfied. Students are encouraged to consult with a counselor to monitor their educational progress.

A degree, career certificate or advanced certificate is not automatically conferred upon completion of Triton College curriculum requirements. Candidates must file a Petition for Graduation with a records evaluator according to published deadline dates. Deadline dates are listed in the calendar section of this catalog, various college publications and in the Office of Admission.

Candidates for May graduation, as well as August and December graduates, are encouraged to participate in the annual commencement exercises held at the end of each spring semester. Students completing any degree or certificate program will have up to one year to participate in a commencement ceremony. Exceptions will be approved by the dean of Student Services.

High Honors, designated by gold honor cords, are awarded at the annual commencement to graduating associate's degree students having a 3.75 or better cumulative GPA.

Honors, distinguished by red honor cords, are awarded at the annual commencement to graduating associate degree students having at least a 3.50 but less than 3.75 cumulative GPA.

Blue honor cords are awarded at the annual commencement to graduating students receiving career certificates, including advanced certificates, if they have a 3.50 or better cumulative GPA.

Students who have not attended Triton College for an uninterrupted period of five years may petition through a records evaluator to exclude all prior grades from the computation of the cumulative GPA to determine eligibility for graduation with honors.

General Petitions

If you have a special request, you need a general petition signed by the proper authorities. A general petition is the formal vehicle used by students when requesting that the college initiate an action pertaining to student enrollment. Refer to the policy statement on the next page for specifics. General petitions are available on the website or at the Welcome Center in the Student Center.

Approval Authority for General Petitions and Other Requests

Academic Department Request	Approving Authority	Form Used
Evaluation of credit from non-accredited sources	Academic dean (after department chairperson)	General Petition
Substitution of course(s) required by student's curriculum (*Substitution of course may nullify requirements that fulfill the IAI General Education Core.)	Academic dean (after department chairperson)	General Petition
Waiver of course required by curriculum (*Waiver of course may nullify requirements that fulfill the IAI General Education Core.)	Academic dean (after department chairperson)	General Petition
Applicability of articulated career courses to AA/AS exceeding six credits	Academic dean — Arts and Sciences	General Petition
Admission into filled class	Instructor or department chairperson (if instructor is unavailable) and the academic dean	General Petition
Time conflicts	Academic dean (after instructor and department chairperson) or dean of Enrollment Services	General Petition
Admission into class after Late Registration	Academic dean (after instructor)	General Petition
Extension of deadline to make up incomplete	Instructor, department chairperson, academic dean	General Petition
Change of grade (non incomplete)	Academic dean (after instructor and department chairperson)	Change of Grade
Readmission into class after termination	Instructor	Petition for Readmission
Proficiency examination	Academic dean (after department chairperson)	Petition for Proficiency Exam

Counseling Request	Approving Authority	Form Used
Semester hour course load of 18-20 credits	Counselor	Registration Form
Semester hour course load more than 21 credits	Dean of Enrollment Services, Student Center, Room B-100	Registration Form
Summer semester overload of two or more semester hours	Dean of Enrollment Services, Student Center, Room B-100	Registration Form
Readmission to the college after disqualification	Counselor	General Petition
Registration schedule adjustment	Welcome Center	Schedule Adjustment Form

Admission/Records Request	Approving Authority	Form Used
Evaluation of credit from accredited sources	Records evaluator, Student Center, Room B-216E	General Petition
Evaluation of credit from military service	Records evaluator, Student Center, Room B-216E	General Petition
Evaluation of Graduation Petition	Records evaluator, Student Center, Room B-216E	Graduation Petition
Course repeat for grade improvement ("D" or "F" received first time)	Records Office, Student Center, Room B-216E	Petition for Repeated Course
Chargebacks—from District 504	Chargeback Office, Student Center, Room B-216E	Chargeback Approval
Chargebacks—to District 504	Chargeback Office, Student Center, Room B-216E	Chargeback Approval
Tuition refund after refund period	Dean of Enrollment Services, Student Center, Room B-100	General Petition
Posting of extra-curricular activities, awards on permanent record	Faculty advisor (submit to Records Office, Student Center, Room B-216E)	General Petition
Request for evaluation of high school transcript to comply with Illinois Public Act 86-0954	Records Evaluator, Student Center, Room B-216E	General Petition
Request for college credit for specified high school classes	Records Evaluator, Student Center, Room B-216E	Petition for Articulated High School Credit

Short-Term Professional Training and Continuing Education

Programs for Lifelong Learning

Triton's Continuing Education programs provide community access to lifelong learning by providing courses, workshops, seminars and conferences at convenient neighborhood locations, as well as on the campus. All programs are based on a continuous assessment of community needs.

The Continuing Education Guide is sent to every home in Triton's district several times each year. The guide lists courses in a variety of categories. These courses focus on developing skills valuable to the work world and on constructive, enriching use of leisure time. Courses related to getting a job or enhancing a career include clerical skills training, accounting, real estate licensing, computer skills and many more. Leisure time courses teach auto care, gourmet food preparation, languages, photography and private piloting, as well as yoga, aerobics and swimming. New courses are constantly being developed, many with the aid of community residents who have a desire to teach or learn something special. For information on general Continuing Education programs, call (708) 456-0300, Ext. 3500.

Career Development

A major goal of Short Term Professional Training and Continuing Education is to provide assistance to district adults at various stages of their working lives.

Short-Term Professional Training

Short-term training programs offered through the School of Continuing Education are designed for those who are seeking to upgrade their employment skills, enter new fields or gain skills to earn a second income. Many of these training programs are unique to Triton. Short-term training programs include computer software training, office executive, general office clerk, bank teller, pharmacy technician, certified nursing assistant, paralegal, bookkeeping, and career enhancement seminars. For more information and orientation dates on short-term training programs, call (708) 456-0300, Ext. 3500.

Center for Business and Professional Development

Besides the job preparation and professional development courses offered in the general Continuing Education Program, Triton also is committed to meeting the challenge of rapidly changing technology and regulations by designing and sponsoring programs to train, retrain and upgrade the skills of individuals in business and industry. The Center for Business and Professional Development (CBPD) offers on-site training programs tailored to the specific needs of local businesses. These programs are taught by experts in the fields of industry, business and government. The Center also offers a variety of public seminars and workshops on topics of current interest to the business community. Topics include management/supervisory development, customer relations, business writing and computer software training. For information on these programs, call (708) 456-0300, Ext. 3489.

Center for Health Care Professionals

Programs are designed with input from health professionals and professional associations to assist those in practitioner, supervisor/manager and educator positions to more effectively meet their responsibilities. Newly emerging concepts of health care, principles, theories and research findings — which will enhance the professional's knowledge and enable practice at increasingly higher levels of excellence — are presented. Programs are presented in health-care institutions, corporate offices and other sites as well as on campus, and are offered at various times to accommodate the active health professional with specific scheduling needs. Call (708) 456-0300, Ext. 3489.

Nuevos Horizontes — Triton Community Center

1708 Main St., Melrose Park, IL 60160

Triton College attempts to meet the educational needs of the Hispanic/Latino community in the district through Nuevos Horizontes. Established in 1981 in Melrose Park, Nuevos Horizontes serves as an outreach and community resource center for Spanish-speaking persons and the general community. The center offers career and academic advising, ESL registration, Spanish GED registration, ESL and GED courses, bilingual computer classes, bilingual computer learning center and translation of minor documents such as birth and marriage certificates. In addition, the center develops informational programs to meet the needs of the Hispanic/Latino population. For more information, please call (708) 649-2101 or visit www.triton.edu/community/nuevos.

Triton College Youth Programming

Every semester through Continuing Education, Triton offers a variety of programs for young learners ages 4 and up. From acting to astronomy, story writing to study skills, magic to mathematics, Triton College Youth Programming represents a constantly growing and expanding curriculum that strives to maintain its programming perspective to the world in which we live. Programs include: 1) specially designed age-specific courses open to all children ages 4-16; 2) courses scheduled on-campus and at select community sites; 3) competitive swimming, diving and wrestling.

Programs employ various teaching techniques and instructional activities using projects, presentation and discovery learning to fully enrich the learning of young people. Triton College Youth Programming's principal objective is to complement regular school schedules and activities with recreational and educational learning experiences aimed to engage and promote the development of a young person's interest and desire to learn. Through challenging, entertaining and enlightening topics and formats, Triton College Youth Programming's goal is to constructively contribute to an educational foundation that inspires youngsters to be stimulated, motivated and encouraged about

learning both today and tomorrow.

For more information on Triton College Children's Programming, call (708) 456-0300, Ext. 3500.

The Lifelong Learning Series

The Lifelong Learning Series offers courses that are designed to provide intellectual, social, cultural, and recreational opportunities for adults, including seniors. These courses cover a variety of subjects including literature, drama, philosophy, fitness, swimming, dancing, music, computer literacy, driver education, and many others. While older adults are welcome in all of Triton's programs, some special courses are also offered for seniors (age 60 and older). For more information about courses and other activities, call (708) 456-0300, Ext. 3559 or 3500.

Cultural Programming

The Triton College Performing Arts Center is the setting for a variety of cultural activities ranging from ballet and plays to puppetry and musicals. The programs vary each year and offer district residents a cultural center in their neighborhood as well as trips to operas, plays and concerts. For information on current programs, call (708) 456-0300, Ext. 3757.

Recreation and Self-Improvement

Triton encourages adults of all ages and educational backgrounds to turn leisure time into creative, productive opportunities. Adults can sample various kinds of exercise, games, sports, hobbies, crafts, art, music and dance. Qualified experts create informal classrooms in which participants can express themselves.

Self-improvement courses enable individuals and groups, young and old, to benefit from new skills. Many classes enhance the students' opportunities to learn for profit as well as pleasure. For more information, call Continuing Education at (708) 456-0300, Ext. 3500

Cultural Programming and Community Forums

The School of Continuing Education promotes the creative and intellectual life of residents of the Triton district through cultural programming and community forums. Cultural programs including opera excursions, lecture series, art exhibits and theater excursions are scheduled. Special events, such as Italian-American Week, Community Education Day and the Hispanic-American festival, focus on the concerns and leisure of the Triton College community.

The following programs and services are offered through the School of Continuing Education, sometimes in cooperation with other community agencies:

Active Retired Citizens

Business management seminars

Community chorus

Community orchestra

Lectures and community forums

Neighborhood site courses

Programs for young people

For information about these offerings, contact the School of Continuing Education in Room A-201 of the Learning Resource Center or call (708) 456-0300, Ext. 3500.

RSVP Volunteer Program

A national volunteer program, locally sponsored by Triton College, RSVP provides individuals an opportunity to impact their community through volunteer service activities. RSVP volunteers serve in capacities, which call on their experiences, skills, training, interest and willingness to keep learning. A few volunteer service activities examples are storyteller, tax assistance, homework helper, homeless shelter aide, clerical, advocate, teacher aide, Meals on Wheels driver. Volunteers play an important role; for volunteer opportunities and information, call (708) 456-0300, Ext. 3835 or 3603.

Active Retired Citizens Club

The Active Retired Citizens Club (ARCC) is an activity and social club for community residents who are young at heart, and interested in expanding their social and intellectual life through adult education and community programs. ARCC meets twice monthly; the first and third Fridays of the month. Dues are \$12 in district and \$15 out of district. For more information call (708) 456-0300, Ext. 3896.

Adult Education Programs



Adult Education (AE) programs are designed to assist adults to gain the skills or certification needed to take college courses. The department is composed of the following areas: English as a Second Language (ESL), High School Completion, Literacy and Adult Transition Program. The AE department works closely with both Nuevos Horizontes (Triton College Community Center) and the Triton College Learning Resource Center.

Additional support services and programs also are provided to individuals receiving Temporary Assistance for Needy Families (TANF). For more information or a catalog about the AE program, please call (708) 456-0300, Ext. 3259 or 3513.

English as a Second Language

English as a Second Language (ESL) is designed to build reading, writing, listening and speaking skills. Class times meet the needs of working adults in the morning and in the evening. Saturday classes are also available. Classes are held at Triton, Nuevos Horizontes and many other places throughout the district. In addition, the ESL Program offers Citizenship courses. All classes are free. As classes tend to fill up quickly, registering early is strongly advised. For more information, please call (708) 456-0300, Ext. 3259.

High School Completion Programs

These programs are designed to assist adults who do not have a high school diploma or who wish to develop their basic skills.

Adult Evening High School

This program enables adults who left high school prior to graduation to complete classes and receive a traditional high school diploma.

GED

This program provides classes that prepare students to take the GED (high school equivalency) examination. Students are given a placement test to determine the type of classes needed.

The GED classes are offered in both English and Spanish. Classes are held in the morning and evenings at Triton and Nuevos Horizontes. GED preparation classes are available online through I-Pathways. Most GED classes are free. For more information, please call (708) 456-0300, Ext. 3513.

Literacy

The Access to Literacy Program is designed to help adults develop basic reading and writing skills. A component of this program is the ESL preparation program for Spanish speakers. Volunteer tutors are trained to assist students in small group or individual tutoring sessions. Classes and a computer lab also are available. For more information, please call (708) 456-0300, Ext. 3978.

Adult Transition Program

Adult education students who are interested in transition to certificate and degree completion courses in preparation for careers can apply for entrance into a pre-career academy. Support services include: career and vocational counseling, learning communities, mentors, informational workshops, tutors, and financial aid assistance. For more information, please call (708) 456-0300, Ext. 3085.

Pre-Career Academy

Allied Health: Enrollment in ESL or GED classes while completing courses in Medical Career Preparation, College 101, and Medical Math will provide the student with a solid background of information essential for a variety of college credit courses within the Allied Health career pathway.

Education: Enrollment in ESL or GED courses while completing courses in reading and writing will give the student a solid background for a variety of college credit courses within the Education career pathway.

Additional career academies are being developed. Contact the Adult Education Department at (708) 456-0300 Ext. 3085.

Arts and Sciences Programs



Courses in the Arts and Sciences curricula parallel those offered at universities and are transferable to four-year institutions. Students may complete the first two years of the bachelor's degree at Triton in the areas listed below.

Students will be audited for graduation against the prescribed associate in arts (AA), the Associate in Arts in Teaching (AAT), the Associate in Science (AS), or the Associate in Fine Arts (AFA) general education requirements. The remaining required semester hours should be completed according to the intended major at a four-year school.

Accounting & Business Administration*
Anthropology
Architecture
Art (AA & AFA degrees)
Biological Sciences*
Chemistry*
Community Studies
Computer Science (Information Systems)*
Computer Science (Technical)
Criminal Justice Administration (AA, AS, & AAS degrees)*
Economics*
Education: Early Childhood, Elementary, Secondary and Special Education
Early Childhood Education (AAT)
Secondary Mathematics (AAT)
Secondary Science (AAT)
Special Education (AAT)
English and Rhetoric
Foreign Languages
Geography
Geology
Global Studies
Health, Sport & Exercise Science

History
Intercultural Studies
International Business
Mass Communication - Multimedia*
Mathematics*
Music (AA & AFA degrees)
Music Technology
Philosophy and Logic
Physics*
Pre-Profession

- Dentistry
- Engineering
- Forestry
- Law
- Medicine
- Nursing
- Occupational Therapy
- Optometry
- Pharmacy
- Veterinary

Psychology*
Social and Political Science*
Sociology/Social Work
Speech Communication
Speech/Theatre*
Women's and Gender Studies
Special Programs:
Scholars/Honors
Independent Study
Pre-Profession

*IAI baccalaureate majors

Notes for this section:

Prerequisites/Corequisites: See the course description section of this catalog to ensure course prerequisites or corequisites are met prior to enrolling in courses. Students may petition for waiver of course prerequisites/corequisites if they believe they have comparable experience or completed course work with similar content. Counselors can assist in this process.

◊ **See Articulated Courses** for additional information.

Degree graduation requirements: In addition to fulfilling general education and program requirements, students must maintain a minimum grade-point average, meet public-law and residency requirements and complete proper filing procedures to graduate. For information, see degree graduation requirements in the "Degrees and Certificates" section of this catalog and the general education requirements for the Associate in Applied Science degree at the beginning of the "Applied Science Programs" section. Also see your counselor for assistance.

Additional certificate requirements: In addition to fulfilling certificate program requirements, students must maintain a minimum grade-point average, meet residency requirements and complete proper filing procedures to receive their diplomas. For information, see certificate graduation requirements in the "Degrees and Certificates" section of this catalog. Also see your counselor for assistance.

Transferring to a Four-year Institution

It is important for students to plan for transfer to a senior institution as early as possible in their academic career. Triton College has Transfer Services, located in D-122, to assist with transfer planning. A computerized transfer articulation system provides students with direct access to information regarding the transferability of specific courses to more than 50 Illinois colleges and universities. While attending Triton, students should contact the college or university to which they intend to transfer to ensure transferability and to plan their Triton course work accordingly. Visits to these college campuses also are encouraged. Triton counselors are available to provide additional information to transfer students.

Illinois Articulation Initiative

Triton College is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the General Education Core curriculum between participating institutions. Completion of the General Education Core curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate's or bachelor's degree have been satisfied. This agreement is in effect for students entering an associate or baccalaureate degree-granting institution as first-time freshman in summer 1998 and thereafter.

The baccalaureate majors recommendations build on the transferable General Education Core curriculum by identifying

courses in the major and prerequisite courses that students need to complete to transfer as a junior, that is, with a minimum of 60 semester credits, into the specific major.

Students are strongly encouraged to complete an AA, AS, AAT or AFA degree prior to transfer, to facilitate the transferability of credits through the IAI. Nursing students may complete the AAS (Associate in Applied Science degree) and Music and Art students may complete the Associate in Fine Arts degree (AFA).

For more information on the IAI, students should see a counselor or visit the IAI Web site at <http://www.iTransfer.org>.

u.select (formerly Course Applicability System)

The u.select (formerly Course Applicability System (CAS)) is an electronic advising system intended primarily for potential transfer students. Using the World Wide Web (<https://uic.transfer.org/cas/>), u.select provides consistent and up-to-date information about degree requirements to students, counselors, faculty and administrators. u.select allows a user to view course equivalency guides, academic programs, course descriptions, transfer course evaluations and planning guides. Triton College participates as a sending institution in u.select.

Foreign Language Options

Many colleges and universities require one or two years of a foreign language. Students should consult the college or university to which they plan to transfer.

Students with some foreign language background should contact a counselor for appropriate placement. Generally, a student with high school foreign language is placed as follows:

High School 0-2 years = 101 or 102 Triton Foreign Language

High School 2-3 years = 102 or 103 Triton Foreign Language

High School 3-4 years = 103 or 104 Triton Foreign Language

Foreign language placement tests can be taken at the testing center in the Student Center.

Students enrolled in selected foreign language courses may choose to be graded on either the letter-grade (A through F) or the Pass/Reschedule system. For details, see the "Academic Information" section of this catalog. Students who demonstrate substantial academic progress in a course but attain a proficiency level below that required for a passing grade may be assigned the "R" grade (Reschedule). Students must inform the instructor of the grading option they have chosen before the fifth week of the semester (and a proportionate time period for less-than-semester-length classes). Students should consult with the institution to which they intend to transfer regarding the transferability of the "P" (Pass) grade.

Student interest in foreign language aptitude for business professions has resulted in an international business concentration at Triton. For information, see the International Business program description in the "Associate in Science degree" section of this catalog.

Independent Study

Students enrolled in university transfer programs may pursue a maximum of four semester hours of independent study under the supervision of an instructor. Students must have completed at least 15 semester hours of college credit before enrolling for independent study. The Independent Study Proposal form, which includes guidelines, may be obtained from the Dean of Arts and Sciences Office, in the Liberal Arts Building, Room E-103.

International Study Tours

Triton College sponsors international study tours each year.

For more information, contact the Office of the Dean of Arts and Sciences at (708) 456-0300, Ext. 3508.

College Readiness

The College Readiness program at Triton provides students with a foundation in reading, writing, Mathematics and other basic skills. This foundation significantly increases opportunities for success at college and in the job market. The program also seeks to encourage self-appraisal and the determination of realistic educational goals.

Students enrolled in College Readiness are offered a program of instruction and tutoring. All these services are provided in a central location on the lower level of the Learning Resource Center, Room A-100.

College Readiness Courses

Instruction is offered in reading and study skills, writing, pre-Algebra and Algebra. All students are required to take Triton College's administered placement tests that determine whether the student places into these courses.

Upon placement and registration, the students will benefit from the special features of these courses, including: reduced class size and separate sections for students studying English as a Second Language.

RHT 085	College Reading I	(primary course)
RHT 086	College Reading II	(required on advisement)
RHT 095	College Writing I	(primary course)
RHT 096	College Writing II	(required on advisement)
MAT 045	Pre-Algebra	(pre-Algebra)
MAT 055	Algebra & Geometry I	(Algebra/Geometry)
MAT 085	Algebra & Geometry II	(Algebra/Geometry)
MAT 095	Basic Skills Test Math Review for Prospective Teachers	(Math review)

Students earn Triton College credit for each course. These credits do not transfer and do not count toward graduation. They do count toward the GPA.

College Readiness Math Course Requirements

Students who place into College Readiness Mathematics are able to complete their remediation and successfully take a Math course that will fulfill their degree requirements in two years or less. The following sequence is advised for students to complete their Math AA or AS degree requirements:

Step 1: Before taking a Math Placement Test, attend one of the FREE Math review sessions designed to help students refresh their skills and prepare for the placement test or work through one of the self-study options provided by the Mathematics Department. Review sessions are offered at least once a month. Information about placement test preparation can be found on the Triton College Mathematics Department Website at: www.triton.edu/math.

Step 2: Take a placement test in the Testing Center, Room A-126. Students may use a calculator on the exam.

Step 3: The score you receive will indicate which level of Mathematics is best for you. The courses for which you are eligible will be on the evaluation form. Many students need a refresher class before they are ready to take a course which will fulfill the degree requirements. The class indicated on the form will be the starting point for you.

Step 4: Register for your first Mathematics class during your first semester at Triton. Sometimes students need more than one brush-up class before they can take a class which will meet the degree requirements. *Do not wait* to take Math classes until the last semester you are here at Triton; this may very well delay your graduation.

Step 5: Students who are getting an AA or AS degree may fulfill their degree requirements with many courses. The gen-ed courses that have the prerequisite of MAT 085, Algebra and Geometry II, are MAT 101 \diamond ,

Quantitative Literacy, MAT 102 \diamond , Liberal Arts Math, MAT 170 \diamond , Elementary Statistics and MAT 117 \diamond , Math for Elementary School Teachers. These courses are all IAI approved for transfer.

Step 6: Students who are intending to transfer to a four-year college or university should see a counselor for additional information about the Math requirements of the degree they wish to pursue. If you are not intending to pursue a four-year degree and are not transferring, or if you are unsure of your planned area of study, MAT 101 \diamond and/or MAT 102 \diamond , MAT 170 \diamond are recommended as your choice for fulfilling your Math requirements for an Associate's degree (AA degree - one course, AS degree - two courses).

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AA/AS Applicable Courses

Criteria for Applicable Courses in AA and AS Degree:

Baccalaureate transfer courses (includes the IAI General Education Core curriculum) or career courses approved by an IAI Major Panel or other articulated career courses approved by the department chair and academic dean, sent through the curriculum process and approved for inclusion in the Arts & Sciences section of the catalog as a suggested major or elective course. In addition, the dean reserves the right to approve articulated career courses through the petition process.

ACC 101◊	BIS 150◊	CSG 150◊	HIS 156◊	MCM 130◊	PED 117◊	PHY 107◊	SPN 190◊
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ART 111◊	CHM 140◊	EDU 215◊	HUM 125◊	MUS 202◊	PED 158◊	RHT 102◊	
ART 112◊	CHM 141◊	ENG 101◊	HUM 126◊	MUS 207◊	PED 159◊	RHT 211◊	
ART 114◊	CHM 234◊	ENG 102◊	HUM 151◊	MUS 208◊	PED 168◊	RHT 255◊	
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Many of the courses in this catalog, not identified as IAI articulated, have been articulated by at least three Illinois universities or colleges. To find out how a given course articulates, go to www.ralph.triton.edu/stu_sessions, sign in, select 'Xfer Course' and enter the course number. For example, by entering ACC151, you will see that over 15 Illinois colleges and universities accept the course as an equivalent or as an elective. Students are encouraged to contact their counselors and transfer school for the current transfer status of a course.

Associate in Arts Degree Requirements

Curriculum U224A (64 semester hours required)

For students who intend to pursue a Bachelor of Arts degree at a four-year school.

Students must meet the prescribed general education requirements listed below for the Associate in Arts degree and should complete the remaining required semester hours according to the requirements of the four-year school to which they plan to transfer. The "◊" symbol on courses means articulated courses on page 39.

NOTE: The following AA degree requirements, effective summer 1998, meet the Illinois Community College Board's recommended model including the IAI General Education Core curriculum.

Communications: Three courses (nine semester credits)

# RHT 101◊	Freshman Rhetoric and Composition I	3
# RHT 102◊	Freshman Rhetoric and Composition II	3
SPE 101◊	Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 101◊ and RHT 102◊.

Social and Behavioral Science: Three courses (nine semester credits), with courses selected from at least two disciplines.

Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity which may be taken as a Social and Behavioral Science or a Humanities and Fine Arts course. These courses are notated with an (*).

ANT 101◊	*Introduction to Anthropology	3
ANT 102◊	Introduction to Physical Anthropology	3
ANT 103◊	*Introduction to Cultural Anthropology	3
ANT 105◊	Introduction to Archaeology	3
ANT 150◊	*Cultural Contexts	3
ECO 102◊	Macroeconomics	3
ECO 103◊	Microeconomics	3
GEO 104◊	*Contemporary World Cultures	3
GEO 105◊	*Introduction to Economic Geography	3
GEO 106◊	*Regional Geography of Africa and Asia	3
HIS 121◊	History of Western Civilization I	3
HIS 122◊	History of Western Civilization II	3
HIS 141◊	*World History I	3
HIS 142◊	*World History II	3
HIS 151◊	History of the United States to 1877	3
HIS 152◊	History of the United States Since 1877	3
HIS 156◊	*African History	3
HIS 171◊	*History of Latin American I	3
HIS 172◊	*History of Latin American II	3
HIS 191◊	*History of Asia and the Pacific I	3
HIS 192◊	*History of Asia and the Pacific II	3
PSC 120◊	Principles of Political Science	3
PSC 150◊	American National Politics	3
PSC 151◊	American State and Urban Politics	3
PSC 184◊	Global Politics	3

PSY 100◊	Introduction to Psychology	3
# PSY 201◊	Introduction to Social Psychology	3
# PSY 216◊	Child Psychology	3
# PSY 222◊	Adolescent Psychology	3
# PSY 228◊	Psychology of Adulthood and Aging	3
SOC 100◊	Introduction to Sociology	3
# SOC 120◊	Social Patterns of Courtship & Marriage	3
SOC 131◊	Social Problems	3
# SOC 225◊	*Racial and Cultural Minorities	3
SSC 190◊	Contemporary Society	3

Humanities and Fine Arts: Three courses (nine semester credits), with at least one course selected from Humanities and at least one course from the Fine Arts. **Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity which may be taken as a Humanities and Fine Arts or Social and Behavioral Science course. These courses are notated with an (*).**

Humanities

# ENG 101◊	Introduction to Poetry	3
# ENG 102◊	Introduction to Drama	3
# ENG 103◊	Introduction to Fiction	3
# ENG 105◊	Literature of the Western World	3
# ENG 113◊	Classic American Authors Before Civil War	3
# ENG 114◊	Classic American Authors, Civil War to Present	3
# ENG 231◊	Introduction to Shakespeare	3
HUM 104◊	Humanities Through the Arts	3
HUM 151◊	Great Books of the West I	3
HUM 152◊	Great Books of the West II	3
HUM 165◊	*Introduction to the Latin American Experience	3
IDS 101◊	The Arts in Western Culture I	3
IDS 102◊	The Arts in Western Culture II	3
# ITL 104◊	Intermediate Italian II	4
PHL 101◊	Introduction to Philosophy	3
PHL 102◊	Logic	3
PHL 103◊	Ethics	3
PHL 105◊	*World Religions	3
# SPN 104◊	Intermediate Spanish II	4
# SPN 151◊	Introduction to Spanish-American Literature I	3
# SPN 152◊	Introduction to Spanish-American Literature II	3

Fine Arts

ART 110◊	Looking at Art	3
ART 111◊	Ancient to Medieval Art	3
ART 112◊	Renaissance to Modern Art	3
ART 114◊	*Survey of Asian Art	3
HUM 104◊	Humanities Through the Arts	3
IDS 101◊	The Arts in Western Culture I	3
IDS 102◊	The Arts in Western Culture II	3
MCM 150◊	Film History and Appreciation	3
MUS 110◊	Listening to Music	3
MUS 215◊	Introduction to Music History	3
MUS 216◊	Music in America	3
SPE 130◊	Introduction to Theater	3

Mathematics: One course (three semester credits)

# ECO 170◇	Statistics for Business and Economics	3
# MAT 101◇	Quantitative Literacy	3
# MAT 102◇	Liberal Arts Mathematics	3
# MAT 117◇	Math for Elementary School Teachers II	3
# MAT 124◇	Finite Mathematics	3
# MAT 131◇	Calculus & Analytic Geometry I	5
# MAT 133◇	Calculus & Analytic Geometry II	5
# MAT 134◇	Introduction to Calculus for Business and Social Science	5
# MAT 135◇	Calculus & Analytic Geometry III	3
# MAT 170◇	Elementary Statistics	3

Physical and Life Science: Two courses (seven to eight semester credits), with one course selected from the Life Sciences and one course from the Physical Sciences including at least one laboratory course.

Physical Science

AST 100◇	Introduction to Astronomy	4
AST 101◇	Astronomy of the Solar System	4
AST 102◇	Astronomy of the Stars and Beyond	4
CHM 100◇	Chemistry and Society	4
# CHM 110◇	Fundamentals of Chemistry	4
# CHM 140◇	General Chemistry I	5
GEO 200◇	Physical Geography: Weather and Climate	4
GEO 201◇	Physical Geography: Maps and Land Forms	4
GOL 101◇	Physical Geology	4
GOL 102◇	Historical Geology	4
PHS 100◇	Introduction to Earth Science	4
PHS 141◇	Applications of Physical Science Concepts	4
PHS 142◇	Science of Light and Music	4
# PHY 100◇	General Physics	4
# PHY 101◇	General Physics (Mechanics, Heat & Sound)	5
# PHY 106◇	General Physics (Mechanics)	4

Life Science

BIS 100◇	General Biology	4
BIS 101◇	Human Biology	4
BIS 102◇	Human Heredity and Society	4
BIS 104◇	Issues in Modern Biology	4
BIS 105◇	Environmental Biology	4
BIS 108◇	Biology of Humans	3
# BIS 122◇	Introductory Microbiology	4
# BIS 150◇	Principles of Biology I	4
HRT 125◇	Plants and Society	4

General Education Core: 12 to 13 courses (37 to 41 semester credits)

Total credits required for graduation 64

- No more than two courses from any one discipline can be used to fulfill General Education Core curriculum requirements.
- While few baccalaureate institutions require a foreign or second language in their campus-wide general education requirements, **competency through two, three, or four college semesters (or the high school equivalent) in a single foreign/second language is required for the Bachelor of Arts degree at some universities, for all bachelor's degrees** in some colleges (such as Colleges of Liberal Arts), and for some bachelor's degree majors.
- **Community college students who intend to transfer should complete the foreign language courses required by their intended transfer institution, college within a university, and /or major, prior to transferring.**
- Students must earn a passing letter grade in each course used to fulfill requirements. Passing scores (based on national norms) on appropriate AP and CLEP exams may be used to fulfill requirements for students who earn an Associate of Arts or an Associate of Science degree prior to transfer. For other transfer students, receiving institutions will follow established credit policies.

Transfer Major and Electives (23-27 credit hours)

- It is recommended that students select the remaining courses from their major area of study of the IAI approved or articulated courses with a counselor.
- It is highly recommended that students enroll in COL 101◇, COL 102◇, CSG 150◇ and HTH 104◇ or HTH 281◇.

General Education electives must be selected from AA/AS applicable course list *and* must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines**. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Architecture

Curriculum U224A04

Architects are involved in all aspects of building design, including appearance, economy, function, structure, environmental planning, sustainability and responding to the needs of those who will use the building. They design, prepare drawings, build models, analyze costs, specify building materials and administer construction contracts. Architecture, as a profession, is a business, a science and an art.

Triton College's architectural curriculum offers courses required in the first two years of a bachelor's degree program in Architecture. All requirements for two years of the four-year programs at UIUC and SIUC can be satisfied at Triton College.

UIUC's minimum grade point average for transfer into their Bachelor of Science program in architectural studies is around 3.2 on a 4.0 scale. Some universities also will require a perspective transfer student to submit a portfolio of studio work to place the student in their design sequence, to determine the amount of credits to be awarded for architecture courses from Triton College and, in some cases, for admission to their architectural program. Architectural schools differ slightly in their requirements and students should work closely with Triton's architectural coordinator to determine specific transfer course requirements.

Semester One		Credit Hours
ARC 109◇	Architectural Drafting Fundamentals	2
# ARC 187◇	Architectural Drawing & Models	3
MAT 131◇	Calculus & Analytic Geometry I	5
PSY 100◇	Introduction to Psychology	3
RHT 101◇	Freshman Rhetoric and Composition I	3
		16
Semester Two		
# ARC 110◇	Wood and Masonry Construction Technology	5
# ARC 171◇	Architectural Design	3
ART 111◇	Ancient to Medieval Art	3
RHT 102◇	Freshman Rhetoric and Composition II	3
		14
Semester Three		
# ARC 172◇	Architectural Design II	5
ARC 210◇	Introduction to the History of Architecture	3
ART 112◇	Renaissance to Modern Art	3
BIS 100◇	General Biology	4
		15
Semester Four		
ANT 101◇	Introduction to Anthropology	3
PHL 101◇	Introduction to Philosophy	3
# PHY 101◇	General Physics (Mechanics, Heat & Sound)	5
SOC 100◇	Introduction to Sociology	3
SPE 101◇	Principles of Effective Speaking	3
		17

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Architecture courses or other electives for AA degree 23-27

See ARC course descriptions on page 150.

Coordinator: Jo Beth Halpin, Ext. 3601

Art

Curriculum U224A50

While the following sequence of courses is strongly recommended, students should select general education courses and plan the sequence for completing general education requirements in consultation with a member of the Counseling department. Students may select art electives that will best prepare them for transfer to senior institutions. Consultation with a counselor is highly recommended.

Semester One		Credit Hours
ART 111◇	Ancient to Medieval Art	3
ART 117◇	Drawing I	3
ART 119◇	Two-dimensional Design	3
General education		7-9
		16-18
Semester Two		
ART 112◇	Renaissance to Modern Art*	3
ART 116◇	Color Composition	2
ART 118◇	Drawing II	3
ART 120◇	Three-dimensional Design (optional)	3
General education		6-7
		17-18
Semester Three		
# ART 125◇	Life Drawing I	3
Art elective (ART 141◇ if required by the institution transferring to)		3
General education		12-14
		18-20
Semester Four		
# ART 126◇	Life Drawing II	3
Art elective (ART 151◇ if required by the institution transferring to)		3
General education		12-14
		18-20
Recommended Art electives:		
<i>Select courses that meet the BA requirements of your transfer college.</i>		
ART 114◇	Survey of Asian Art*	3
ART 120◇	Three-dimensional Design	3
# ART 135◇	Ceramics I	3
ART 140◇	Printmaking	3
ART 141◇	Painting I	3
ART 142◇	Painting II	3
ART 151◇	Sculpture I	3
VIC 100◇	Graphic Design	3
General education requirements: AA degree on page 51		37-41
Art courses or other electives for AA degree		23-27

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

See ART course descriptions and IAI codes on page 152.

*These courses also fulfill Humanities requirements in general education.

Students with an emphasis in two-dimensional pictorial arts are advised to select from a combination of ART 140, ART 141 and ART 142 for their Art electives. Students with an emphasis on three-dimensional media should select from ART 135 and ART 151 for their Art electives. Students with an emphasis in Advertising Art should select their electives from the Visual Communication curriculum.

Chairperson: Dennis McNamara, Ext. 3597

Community Studies

Curriculum U224A07

The focus of Community Studies is designed to focus on aspects of the community with an emphasis on leadership skills and knowledge of community organizational processes. It will enable the student who wishes to take a leadership role to incorporate and develop skills necessary for participation in contemporary organizations. Students who are planning on transferring are advised to select courses that will transfer to the four-year school of their choice.

Semester One		Credit Hours
HTH 281	First Aid & CPR	2
# RHT 101	Freshman Rhetoric and Composition I	3
SPE 101	Principles of Effective Speaking	3
	General education/Humanities & Fine Arts	3
	Community Studies elective	6
		<hr/> 17
Semester Two		Credit Hours
PSC 151	American State and Urban Politics	3
# RHT 102	Freshman Rhetoric and Composition II	3
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
	General education/Mathematics	3
	Community Studies elective	3
		<hr/> 18
Semester Three		Credit Hours
	General education/Physical & Life Science	4
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
	Community Studies elective	6
		<hr/> 16
Semester Four		Credit Hours
	General education/Physical & Life Science	4
	General education/Social & Behavioral Science	3
	Community Studies elective	9
		<hr/> 16
General education requirements: AA degree on page 51		37-41
Community Studies electives for AA degree		19-23

Required Community Studies Courses:

BUS 141	Introduction to Business	3
# SOC 210	Sociology of Leadership	3

(Select courses that meet the BA requirements of your transfer college.)

Select 13 to 17 credits from the following courses:

ACC 101	Financial Accounting	3
ACC 105	Managerial Accounting	3
BUS 127	Principles of Marketing	3
BUS 150	Principles of Management	3
BUS 161	Business Law I	3
BUS 200	Introduction to Human Resource Management	3
HIS 151	History of the United States to 1877	3
PSC 150	American National Politics	3
PSC 184	Global Politics	3
SOC 131	Social Problems	3
# SOC 225	Racial & Cultural Minorities	3

Note: Courses taken to meet the General Education Core requirements cannot serve as Community Studies electives. Selection of Community Studies electives should be based on specific career goals.

Coordinator: Lorelei Carvajal, Ext. 3440

Criminal Justice Administration

Curriculum U224A43

Concentration of courses that prepares students interested in transferring to a four-year school for a bachelor's degree in Criminal or Social Justice. The courses also provide a background for students interested in law, law enforcement, juvenile work, probation services, parole services, work release or half-way house counseling.

Semester One		Credit Hours
# CJA 111	Introduction to Criminal Justice	3
CJA 121	Introduction to Corrections	3
COL 101	Introduction to College	1
RHT 101	Freshman Rhetoric and Composition I	3
	General education/Physical & Life Science	3
	General education/Social & Behavioral Science	3
		<hr/> 16
Semester Two		Credit Hours
CJA 181	Juvenile Delinquency & Law	3
HTH 104	Science of Personal Health or	
HTH 281	First Aid & CPR	2
RHT 102	Freshman Rhetoric and Composition II	3
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
	Electives ¹	3-4
		<hr/> 17-18

Semester Three

CJA 219◊	Criminal Law I	3
SPE 101◊	Principles of Effective Speaking	3
	General education/Humanities & Fine Arts	3
	General education/Mathematics	3
	General education/Physical & Life Science	3
		15

Semester Four

# CJA 201◊	Criminology	3
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
	Electives ¹	6-8
		15-17

Total credits required for graduation **64**

(Select courses that meet the BA requirements of your transfer college.)

Suggested General Education and/or Electives:

ECO 102◊	Macroeconomics	3
PHL 103◊	Ethics	3
PSY 100◊	Introduction to Psychology	3
SOC 100◊	Introduction to Sociology	3
SOC 225◊	Racial & Cultural Minorities	3
	One year of a foreign language sequence	8

Recommended Criminal Justice Administration Courses:

CJA 161◊	Administration of Justice	3
CJA 246◊	Laws of Evidence	3
CJA 257◊	Law Enforcement Administration	3
CJA 296◊	Special Topics in Criminal Justice	0.5-4

General education requirements: AA degree on page 51 37-41

Criminal Justice courses or other electives for AA degree 23-27

See CJA course descriptions and IAI codes on page 167.

See Associate in Applied Science degree in Criminal Justice Administration on page 75 for more information. Also available are certificates in corrections, law enforcement and private security on page 106.

¹It is recommended that students select the remaining courses from their major area of study with a counselor.

Coordinator: John Augustine, Ext. 3323

Education

Curriculum U224A13

An introduction to teaching as a profession in the American education system offering a variety of perspectives on education, including historical, professional, social, legal and ethical issues in a diverse society. The curriculum also includes how schools are structured, governed and operated. Observation and assessment skills will be fostered through field experience. Admission into baccalaureate degree programs is competitive and most senior institutions require a GPA of 2.5 or higher. A "C" or better is required in all coursework at Triton College and senior institutions. Completion of these courses alone does not guarantee admission into the senior institution.

General Education Core:

11 courses (35-37 semester credits)

Communications: Three courses (nine semester credits)

RHT 101◊	Freshman Rhetoric & Composition I	3
# RHT 102◊	Freshman Rhetoric & Composition II	3
SPE 101◊	Principles of Effective Speaking	3

Social & Behavioral Sciences¹: Three courses

(nine semester credits)

HIS 151◊	History of the United States to 1877	3
PSC 150◊	American National Politics	3
	Electives	3

Humanities & Fine Arts¹: Three courses (nine semester credits)

At least one Humanities course and one Fine Arts course

Physical & Life Sciences: Two courses (eight to 10 semester credits)

at least one Physical Science course and one Life Science course

Early Childhood Education (Birth to Grade 3/Age 8)

Additional General Education Core: Six courses (19-20 semester credits)

Mathematics: Two courses (six semester credits)

# MAT 116◊	Math for Elementary School Teachers I ²	3
# MAT 117◊	Math for Elementary School Teachers II ²	3

Physical & Life Sciences: One course (four-five semester credits)

Humanities & Fine Arts: One course (three semester credits)

Social & Behavioral Sciences: One course (three semester credits)

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.*

²discipline: a subject or field of activity, for example, an academic subject

Health/Physical Development: One course (three semester credits)

ECE 118◇ Health, Nutrition and Safety² 3

Recommended Courses (up to 13 semester credits)

ECE 110◇ Early Child Development 3

ECE 111◇ Introduction to Early Childhood Education 3

ECE 138◇ Observation, Assessment, Curriculum and Guidance of Young Children 4

PSY 234◇ Abnormal Child & Adolescence Psychology 3

One course selected from the two listed below:

ECE 142◇ Students with Disabilities in School 3

EDU 200◇ Introduction to Special Education 3

Area of Concentration Courses³

Up to nine semester credits in **one** of the following disciplines selected in consultation with the counselor for education majors: Art, Biology, Chemistry, Economics, English, a single foreign language, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology or Theatre.

Additional General Education Core Courses to meet the AA degree requirements: 0-10 semester credits

Elementary Education (Grades K through 9)

Additional General Education Core: Six courses (18-19 semester credits)

Mathematics: Two courses (six semester credits)

MAT 117◇ Math for Elementary School Teachers II² 3

MAT 170◇ Elementary Statistics² 3

Physical & Life Sciences: One course (four to five semester credits)

Humanities & Fine Arts: Two courses (six semester credits)

RHT 211◇ Introduction to Linguistics² 3

Humanities & Fine Arts elective 3-4

Health/Physical Development: One course (two semester credits)

HTH 104◇ Science of Personal Health² 2

Recommended Courses (up to seven semester credits)

EDU 203◇ Portfolio Development for Educators 1

EDU 206◇ Human Growth and Development 3

EDU 207◇ Introduction to Education 3

Area of Concentration Courses³

Up to nine semester hours of credit in **one** academic discipline at the sophomore level. Acceptable disciplines are: Art, Biology, Chemistry, Economics, English, a single foreign language, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology or Theater.

Additional General Education Core Courses to meet the AA degree requirements: 0 - 11 semester credits

Secondary Education (Grades 6 - 12)

Additional General Education Core: Five courses (15-19 semester credits)

Mathematics: One course (three to five semester credits) selected from the following list:

MAT 101◇ Quantitative Literacy 3

MAT 102◇ Liberal Arts Mathematics 3

MAT 124◇ Finite Mathematics 3

MAT 131◇ Calculus & Analytic Geometry 5

MAT 134◇ Introduction to Calculus for Business & Social Science 5

MAT 170◇ Elementary Statistics 3

Physical & Life Sciences: One additional course (four to five semester credits) will be necessary if the student has less than nine semester hours in this category.

Humanities & Fine Arts: Two courses (six to seven semester credits)

RHT 211◇ Introduction to Linguistics² 3

Humanities & Fine Arts electives 3-4

Health/Physical Development: One course (two semester credits)

HTH 104◇ Science of Personal Health² 2

Recommended Courses (up to nine semester credits)

EDU 200◇ Introduction to Special Education 3

EDU 203◇ Portfolio Development for Educators 1

EDU 207◇ Introduction to Education 3

One course selected from the following:

EDU 206◇ Human Growth and Development 3

EDU 215◇ Educational Psychology 3

Additional General Education Core Courses to meet the AA degree requirements: 0 - 15 semester credits

Special Education (Grades Pre-K through 12)

Additional General Education Core: Five courses (15-19 semester credits)

Mathematics: One course (three to five semester credits) selected from the following list:

MAT 101◇ Quantitative Literacy 3

MAT 102◇ Liberal Arts Mathematics 3

MAT 124◇ Finite Mathematics 3

MAT 131◇ Calculus & Analytic Geometry 5

MAT 134◇ Introduction to Calculus for Business & Social Science 5

MAT 170◇ Elementary Statistics 3

Physical & Life Sciences: One additional course (four to five semester credits) will be necessary if the student has less than nine semester credits in this category.

Humanities & Fine Arts: Two courses (six to seven semester credits)

RHT 211◇ Introduction to Linguistics² 3

Humanities & Fine Arts elective 3-4

Health/Physical Development: One course (two semester credits)
 HTH 104◇ Science of Personal Health² 2

Recommended Courses (up to nine semester credits)
 EDU 203◇ Portfolio Development for Educators 1
 # EDU 206◇ Human Growth and Development 3
 # EDU 207◇ Introduction to Education 3
 PSY 100◇ Introduction to Psychology 3

Additional General Education Core Courses to meet the AA degree requirements: 0 - 14 semester credits

Note: *Wherever specific courses are not identified, every effort should be made to utilize only IAI approved courses.*

¹Students must complete at least one three-semester hour course in "Non-Western or Third-World Cultures" either in the Humanities & Fine Arts category or the Social & Behavioral Science category. Courses may be selected from:

- ART 114◇ Survey of Asian Art 3
- HIS 156◇ African History 3
- HIS 191◇ History of Asia and the Pacific I 3
- HIS 192◇ History of Asia and the Pacific II 3
- HUM 165◇ Introduction to the Latin American Experience 3
- PHL 105◇ World Religions 3

See EDU course descriptions on page 175, ECE course descriptions on page 173.

NOTE: EDU 055 is the suggested course elective for the Basic Skills Review.

²If this course is not completed at Triton, a similar course will have to be completed at the transfer school.

³The student, in cooperation with the counselor for education, should carefully select one discipline for additional study because an additional nine semester hours of upper division course work will be completed in that one discipline at the transfer school. These courses may or may not be listed in the General Education Core Curriculum.

Chairperson: Education, Mary Rinchiuso, Ext. 3022
Counselor: Kathy Cunningham, Ext. 3644

English and Rhetoric

Curriculum U224A21

Courses in Rhetoric train students in the craft of writing and develop skills in critical thinking. Some courses are required; others may be selected as a basis for a major in English.

Courses in English introduce the major genres, survey American and British literature, and examine authors or special fields of literature. Some courses meet general education requirements and all contribute toward developing a major in the field.

Recommended courses:
 RHT 101◇ Freshman Rhetoric and Composition I 3
 RHT 102◇ Freshman Rhetoric and Composition II 3

(Select courses that meet the BA requirements of your transfer college.)

Recommended electives:

- ENG 101◇ Introduction to Poetry 3
- ENG 102◇ Introduction to Drama 3
- ENG 103◇ Introduction to Fiction 3
- ENG 170◇ Children's Literature* 3
- ENG 231◇ Introduction to Shakespeare* 3
- RHT 255◇ Creative Writing* 3

General education requirements: AA degree on page 51 37-41
 English and Rhetoric courses or other electives for AA degree 23-27

See ENG course descriptions on page 179.

*Not offered every semester.

Chairperson: Michael Flaherty, Ext. 3250

Foreign Languages

Curriculum U224A16

The Foreign Language curriculum is designed to prepare students to participate in a highly competitive multi-cultural global society. Two years of foreign language study at Triton will, in most instances, fulfill curriculum foreign language requirements for advanced programs at many universities. Triton is prepared to help students make foreign language choices and take programs based upon their needs and plans for the future.

Career areas enhanced by foreign language skills include:

- Foreign language teaching in schools and colleges (also see Education)
- International business or professional careers — international export, import, marketing, sales, investment, law, health, development, missionary, Peace Corps
- Tourism
- Research — scientific and social engineering
- Government service
- Airline positions
- Translating, interpreting
- Bilingual, administrative or secretarial work
- International banking and finance
- Law enforcement — local, national

Semester One Credit Hours

Select one of the groupings for a total of 16 hours in semester one

CHN 101◇	Elementary Chinese I or	
ITL 101◇	Elementary Italian I or	
SPN 101◇	Elementary Spanish I	4
	General education	12
	—OR—	
# SPN 115◇	Spanish for Heritage Speakers	4
	General education	9
	General electives	3
		16

Semester Two

# CHN 102◇	Elementary Chinese II or	
# ITL 102◇	Elementary Italian II or	
# SPN 102◇	Elementary Spanish II	4
	General education	12
		16

Semester Three

# ITL 103◇	<i>Intermediate Italian I</i> or	
# SPN 103◇	<i>Intermediate Spanish I</i>	4
	General education	12
		<hr/> 16

Semester Four

# ITL 104◇	<i>Intermediate Italian II</i> or	
# SPN 104◇	<i>Intermediate Spanish II</i>	4
	General education	9
	Electives	3
		<hr/> 16

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41

Foreign Language courses or other electives for AA degree 23-27

See ITL course descriptions on page 195; SPN course descriptions on page 217; CHN course descriptions on page 162.

NOTE: Italian and Spanish Composition and Conversation I and II (ITL 113◇ or ITL 114◇; SPN 113◇ or SPN 114◇) may be offered during the summer semester of the school year.

The undecided transfer student should begin a foreign language in the first semester of the first year since two years of a foreign language are needed. It is desirable to complete the foreign language requirement before transferring. The student who does not complete the requirements may be asked to take a placement exam.

Chairperson: Bill Decker, Ext. 3509

Global Studies

Curriculum U224A06

Globalization has become a powerful force in the life of Americans everywhere, including those in our district. The impacts of globalization are most apparent in the economic aspects of life. The consequences of globalization are equally evident in our social, cultural and political interactions. This curriculum is intended to aide students in managing the issues of globalization in their personal and working lives, and to prepare them for further study in such fields as government, area studies, international business, diplomacy, the travel industry and socio-economic development.

Elements of this curriculum can also be adapted to support specialized programs in career education with a global focus. Global issues are an area of study that transcends traditional divisions in college programs.

Communications: Three courses (nine semester credits)

RHT 101◇	Freshman Rhetoric & Composition I	3
# RHT 102◇	Freshman Rhetoric & Composition II	3
SPE 101◇	Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇.

Social & Behavioral Sciences: Three courses (nine semester credits)

Students can choose three courses from the approved Social & Behavioral Science course list approved for this degree. Students may not choose more than two courses from any one discipline.

ANT 103◇	Introduction to Cultural Anthropology	3
GEO 104◇	Contemporary World Cultures	3
GEO 105◇	Economic Geography	3
GEO 106◇	Regional Geography of Africa & Asia	3
HIS 142◇	World History II	3
HIS 156◇	African History	3
HIS 192◇	History of Asia and the Pacific II*	3
PSC 184◇	Global Politics	3
# SOC 225◇	Racial & Cultural Minorities	3

Humanities & Fine Arts: Three courses (nine semester credits)

The following three courses are required:

HUM 104◇	Humanities Through the Arts	3
HUM 165◇	Introduction to Latin American Experience	3
PHL 105◇	World Religions	3

Mathematics: One course (three semester hours)

Students may choose from any of the Mathematics courses on page 51.

Physical & Life Sciences: Two courses (eight semester credits)

One physical science course and one life science course taken from the Physical and Life Sciences listing on page 51.

Foreign Languages: Three courses in a foreign language sequence (12 semester credits)

The degree requires three semesters of foreign language from one foreign language sequence (e.g., ITL 101◇, ITL 102◇, ITL 103◇, or SPN 101◇, SPN 102◇, SPN 103◇)

Business: Three course (nine semester credits)

Students are required to take the following courses:

BUS 127◇	Principles of Marketing	3
BUS 141◇	Introduction to Business	3
# BUS 293◇	Global Business	3

Electives: (five semester credits)

Students can choose two additional three semester hour courses from the Social & Behavioral Sciences list above, or one Social Science course and any one of the following business courses:

# BUS 112◇	Principles of Finance	3
BUS 150◇	Principles of Management	3
BUS 161◇	Business Law I	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41

Global Studies courses or other electives for AA degree 23-27

See BUS course descriptions on page 158, See GEO course descriptions on page 185. See HIS course descriptions on page 189

Chairperson: Bill Decker, Ext. 3509

History

Curriculum U224A46

Courses in History cover a variety of American and international topics. Designed at the freshman and sophomore levels, these courses provide a broad foundation on which a student may specialize. Beyond general education requirements and personal interests, students should select courses that meet requirements at the transfer institution of choice.

Recommended courses:

HIS 121◇	History of Western Civilization I	3
HIS 122◇	History of Western Civilization II	3
HIS 141◇	World History I	3
HIS 142◇	World History II	3
HIS 151◇	History of the United States to 1877*	3
HIS 152◇	History of the United States Since 1877*	3
HIS 155◇	History of the Afro-American in the U.S.*	3
HIS 156◇	African History*	3
HIS 171◇	History of Latin America I	3
HIS 172◇	History of Latin America II	3
HIS 191◇	History of Asia and the Pacific I*	3
HIS 192◇	History of Asia and the Pacific II*	3
# HIS 210◇	U.S. Civil War and Reconstruction	3
HIS 296◇	Special Topics in History	1-4

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41

History courses or other electives for AA degree 23-27

See HIS course descriptions on page 189.

*Not offered every semester.

Recommended electives include other courses in the Social Sciences, Behavioral Sciences, Humanities, Literature, Foreign Language, Economics and the Arts.

Chairperson: Bill Decker, Ext. 3509

Intercultural Studies

Curriculum U224A05

Triton's students represent a great variety of ethnic backgrounds. This mix reflects the national population and the interests, concerns and needs of such a population reflect, in turn, those of the nation in our increasing involvements with the international community.

Courses in Intercultural Studies are designed to promote the understanding of such issues as they relate both to our own communities and to international interests.

Recommended courses:

ART 210◇	Afro-American Art	3
GEO 104◇	Contemporary World Culture	3
HIS 141◇	World History I	3
HIS 142◇	World History II	3
HIS 155◇	History of the Afro-American in the United States	3

HIS 156◇	African History	3
HIS 192◇	History of Asia and the Pacific II	3
HUM 165◇	Introduction to the Latin American Experience	3
PHL 104◇	Social and Political Philosophy	3
PHL 105◇	World Religions	3
PSC 184◇	Global Politics	3
PSY 210◇	Introduction to Social Psychology	3
SOC 131◇	Social Problems	3
SOC 225◇	Racial and Cultural Minorities	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41

Intercultural Studies courses or other electives for AA degree 23-27

AA degree

Recommended electives include courses in the Sciences, Mathematics and Computer Science, Economics, Political Science, Foreign Language and Literature.

Chairperson: Bill Decker, Ext. 3509

Mass Communication–Multimedia

Curriculum U224A09

Mass Communication-Multimedia includes careers in multimedia, journalism, film, public relations, television, radio, web design, animation and advertising. The Mass Communication–Multimedia degree uses digital computer-based tools for designing graphics, creating Websites and animations, and incorporating sound with still and moving images. Students may choose elective courses to specialize in specific areas of Mass Communication. Four-year schools differ in their requirements. Students are advised to select courses that will transfer to the four-year school of their choice.

Semester One	Credit Hours
ART 119◇	<i>Two-dimensional Design</i> or
VIC 100◇	<i>Graphic Design</i>
# MCM 120◇	Mass Communication
RHT 101◇	Freshman Rhetoric and Composition I
	General education/Humanities
	General education/Mathematics
	15

Semester Two	Credit Hours
RHT 102◇	Freshman Rhetoric and Composition II
SPE 101◇	Principles of Effective Speaking
VIC 172◇	Web Page Design
	General education/Physical Science
	General education/Social & Behavioral Science
	16

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*.* See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Semester Three

# MCM 160	Basic News Writing	3
VIC 285	Digital Video	3
	General education/Humanities or Fine Arts	3
	General education/Life Science	4
	General education/Social & Behavioral Science	3
		<hr/>
		16

Semester Four

MCM 150	Film History and Appreciation ¹	3
# VIC 272	<i>Advanced Web Page Design</i> or	
VIC 273	<i>Flash Animation</i>	3
# VIC 286	<i>Advanced Digital Video</i> or	
VIC 288	<i>Video Editing</i>	3-4
	General education/Social & Behavioral Science	3
	Electives	5
		<hr/>
		17-18

Suggested electives:

ART 117	Drawing I	3
CIS 101	Introduction to Computer Science	3
MCM 125	Broadcasting History	3
# MCM 130	Introduction to Radio Production	3
# MCM 200	Basic News Editing	3
# MCM 205	Basic Broadcast Announcing	3
# MCM 296	Special Topics in Mass Communication and Journalism	1-4
PSC 184	Global Politics	3
VIC 121	Introduction to Quark InDesign	4
VIC 161	Introduction to Photoshop	4
VIC 162	Digital Photography	3
VIC 270	Writing for Multimedia	3
# VIC 272	Advanced Web Page Design	3
# VIC 286	Advanced Digital Video	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41

Mass Communication-Multimedia courses or other electives for AA degree 23-27

See MCM course descriptions and IAI codes on page 198.

¹MCM 150 meets the Fine Arts general education requirement

Beyond designated requirements, select courses required by transfer institutions. In addition, selection should be based on specific career goals. For teaching, see Education section.

Chairperson: Dennis McNamara, Ext. 3597

Music**Curriculum U224A51**

Series of courses designed to offer all of the required freshman- and sophomore-level music course work for students planning to pursue a Bachelor of Music or Bachelor of Music Education degree at senior institutions.

All incoming music students must take a Music theory proficiency test administered by the ETRC, in Room M-142 and evaluated by the Music faculty. This examination will determine placement in Music courses. Students desiring applied private lessons for two hours of credit (major applied lessons) must audition for the faculty before enrolling.

One semester of Class Piano Instruction (MUS 177) and one semester of Private Piano Instruction (MUS 180) are required of all instrumental and vocal majors; however, instrumental and vocal majors with backgrounds in piano and the consent of the piano staff may enroll in MUS 180 in lieu of the required semester of MUS 177.

	Credit Hours
Semester One	
# MUS 105 Theory of Music I	3
# MUS 115 Sight-singing & Ear-training I	1
# MUS 135 Keyboard Musicianship I	1
Applied Music—Major area chosen from:	
# MUS 180 <i>Piano</i> or	
# MUS 181 <i>Voice</i> or	
# MUS 179 <i>Applied Music—Instrumental</i>	2
# MUS 180 (Applied Music—Piano requirement)	1
Music Ensemble (Chosen from MUS 250, MUS 251, MUS 252, MUS 253, MUS 261, MUS 262, MUS 266)	1
Semester Two	
# MUS 106 Theory of Music II	3
# MUS 116 Sight-singing & Ear-training II	1
Applied Music—Major area chosen from:	
# MUS 179 <i>Applied Music—Instrumental</i> or	
# MUS 180 <i>Piano</i> or	
# MUS 181 <i>Voice</i>	2
# MUS 180 (Applied Music—Piano)	1
Music Ensemble (Chosen from MUS 250, MUS 251, MUS 252, MUS 253, MUS 261, MUS 262, MUS 266)	1
Semester Three	
# MUS 207 Theory of Music III	3
# MUS 217 Sight-singing & Ear-training III	1
Applied Music—Major area chosen from:	
# MUS 179 <i>Applied Music—Instrumental</i> or	
# MUS 180 <i>Piano</i> or	
# MUS 181 <i>Voice</i>	2
# MUS 215 Introduction to Music History	3
Music Ensemble (Chosen from MUS 250, MUS 251, MUS 252, MUS 253, MUS 261, MUS 262, MUS 266)	1

Semester Four

# MUS 2080	Theory of Music IV	3
# MUS 2180	Sight-singing & Ear-training IV	1
Applied Music—Major area chosen from:		
# MUS 1790	<i>Applied Music—Instrumental</i> or	
# MUS 1800	<i>Piano</i> or	
# MUS 1810	<i>Voice</i>	2
Music Ensemble (Chosen from MUS 2500, MUS 2510, MUS 2520, MUS 2530, MUS 2610, MUS 2620, MUS 2660)		1

Suggested electives:

MUS 1100	Listening to Music	3
# MUS 1790	Applied Music—Instrumental includes: organ, violin, viola, cello, string bass, flute, clarinet, oboe, bassoon, trumpet, French horn, trombone, baritone, tuba, percussion, saxophone and guitar.	1-2
# MUS 1800	Applied Music—Piano	1-2
# MUS 1810	Applied Music—Voice	1-2
# MUS 2000	Improvisation I	2
# MUS 2010	Improvisation II	2
MUS 2160	Music in America	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Music courses or other electives for AA degree 23-27

Notes:

- MUS 1050, MUS 1150 and MUS 1350 should be taken concurrently. It is recommended that students without a keyboard background should enroll in MUS 1350 in the first semester.
- Beginners in piano may take MUS 1770, Class Piano Instruction, in lieu of MUS 1800 for one semester.
- Students who elect MUS 1800, Applied Music-Piano, as their major applied area, can satisfy their remaining applied Music requirement with any other applied Music area.
- It is recommended that MUS 2150, Introduction to Music History, be taken during the third or fourth semester.

See MUS course descriptions on page 199.

Students are encouraged to participate in the Triton Jazz Band and the Triton Concert Band.

Chairperson: Dennis McNamara, Ext. 3597

Music Technology

Curriculum U224A52

Curriculum offers students an opportunity to acquire specific skills in the diverse field of Music Technology. Curriculum provides a basic foundation in music theory as well as computer music skills. Interested students should pursue a baccalaureate degree in Music Technology. Four-year schools differ in their requirements. Students are advised to select courses that will transfer to the four-year institution of their choice.

Semester One		Credit Hours
MUS 1010	Electronic Music Production	3
# MUS 1050	Theory of Music I	3
# MUS 1150	Sight-singing & Ear-training I	1
# MUS 1350	Keyboard Musicianship I	1
# RHT 1010	Freshman Rhetoric and Composition I	3
	General education/Social & Behavioral Sciences	3
		14

Semester Two		
# MUS 1060	Theory of Music II	3
# MUS 1160	Sight-singing & Ear-training II	1
MUS 1200	Record Production I	3
# RHT 1020	Freshman Rhetoric and Composition II	3
	General education/Mathematics	3
	General education/Social & Behavioral Sciences	3
		16

Semester Three		
# MUS 2070	Theory of Music III	3
# MUS 2150	Introduction to Music History	3
# MUS 2170	Sight-singing & Ear-training III	1
# MUS 2200	Record Production II	3
SPE 1010	Principles of Effective Speaking	3
	General education/Physical and Life Sciences	4
		17

Semester Four		
# MUS 2080	Theory of Music IV	3
# MUS 2180	Sight-singing & Ear-training IV	1
	General education/Humanities & Fine Arts	6
	General education/Physical and Life Sciences	4
	General education/Social & Behavioral Sciences	3
		17

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Suggested Additional Course Work:

# MUS 235◊	Keyboard Musicianship II	1
Applied Music—Major area chosen from:		
# MUS 179◊	<i>Applied Music—Instrumental</i> or	
# MUS 180◊	<i>Applied Music—Piano</i> or	
# MUS 181◊	Applied Music—Voice	2
Music Ensemble (Chosen from MUS 250◊, MUS 251◊, MUS 252◊, MUS 253◊, MUS 261◊, MUS 262◊, MUS 266◊)		
# MUS 211◊	Arranging and Composition	2

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Music courses or other electives for AA degree 23-27

See MUS course descriptions on page 199.

Chairperson: Dennis McNamara, Ext. 3597

Philosophy and Logic

Curriculum U224A38

These courses offer a foundation in the study of Philosophy. Some also meet general education requirements. Students planning to transfer into a major in Philosophy should select courses based on requirements at the four-year school to which transfer is planned.

Recommended courses:

PHL 101◊	Introduction to Philosophy	3
PHL 102◊	Logic	3
PHL 103◊	Ethics	3
PHL 104◊	Social and Political Philosophy	3
PHL 105◊	World Religions	3
PHL 106◊	Biomedical Ethics	3
PHL 296◊	Special Topics in Philosophy	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Philosophy courses or other electives for AA degree 23-27

See PHL course descriptions on page 210.

Recommended electives include courses in the Social and Behavioral Sciences, Humanities, Mathematics, Foreign Languages and Fine Arts.

Chairperson: Lorelei Carvajal, Ext. 3440

Psychology

Curriculum U224A42

Students planning to major in Psychology when they transfer to a four-year school should use the following as a guide.

Required Course:

PSY 100◊	Introduction to Psychology	3
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Recommended Electives for Psychology Majors (a maximum of nine semester credits selected from the courses listed below):

# PSY 201◊	Introduction to Social Psychology	3
# PSY 205◊	Positive Psychology	3
# PSY 207◊	Health Psychology	3

# PSY 210◊	Psychology of Personality	3
# PSY 238◊	Abnormal Psychology	3
# PSY 245◊	Industrial Psychology	3
# PSY 250◊	Psychology of Gender	3

(Only one of the developmental psychology courses listed below **may** be used in meeting the nine credit hours of recommended electives for psychology majors):

# PSY 216◊	Child Psychology	3
# PSY 222◊	Adolescent Psychology	3
# PSY 228◊	Psychology of Adulthood and Aging	3
# PSY 234◊	Abnormal Child and Adolescence Psychology	3

Electives for Non-Psychology Majors:

PSY 105◊	Personal Applications of Psychology	3
PSY 296◊	Special Topics in Psychology	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Psychology courses or other electives for AA degree 23-27

See PSY course descriptions and IAI codes on page 212.

Chairperson: Lorelei Carvajal, Ext. 3440

Social and Political Science

Curriculum U224A45

These courses offer a study of contemporary political and economic issues. Social Science courses provide an historical perspective. Political Science courses examine the nature of the state both nationally and internationally.

Recommended courses:

PSC 150◊	American National Politics	3
PSC 151◊	American State and Urban Politics	3
PSC 184◊	Global Politics	3
PSC 296◊	Special Topics in Political Science	1-4

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Social/Political Science courses or other electives for AA degree 23-27

See PSC course descriptions on page 211; SSC course descriptions on page 218.

Recommended electives include courses in History, Economics, Anthropology, Foreign Languages, Education, Literature, Sociology and Geography.

Chairperson: Bill Decker, Ext. 3509

Sociology/Social Work

Curriculum U224A44

Triton provides students the opportunity to develop a comprehensive understanding of the discipline of Sociology and the applied field of Social Work. A student planning to transfer to a four-year school and major in Sociology or Social Work can meet most, if not all, of the general education requirements and some of the major requirements for those two areas. The specific major field courses completed will be determined by whether the student plans to major in Sociology or Social Work.

Sociology

Required Sociology Prerequisite Course:

SOC 100◇ Introduction to Sociology 3

Recommended courses (up to nine semester credit hours)

SOC 120◇ Social Patterns of Courtship and Marriage 3
 SOC 131◇ Social Problems 3
 # SOC 225◇ Racial and Cultural Minorities 3

Social Work

Social Work Core Courses:

SOC 175◇ Introduction to Social Work 3
 SOC 180◇ Human Sexuality 3

Students also can complete courses in the following list:

PSY 201◇ Introduction to Social Psychology 3
 # PSY 238◇ Abnormal Psychology 3
 SOC 131◇ Social Problems 3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Sociology courses or other electives for AA degree 23-27

See SOC course descriptions and IAI codes on page 215.

Note: If a general education course also is listed as a transfer major course, the student will have to determine if the transfer school will accept the course as meeting two requirements or if the student will have to take additional general education courses to meet the General Education Core requirements for transfer with a standing as a junior.

Chairperson: Lorelei Carvajal, Ext. 3440

Speech Communication

Curriculum U224A23

As a field of study, Speech Communication is highly versatile, in that it teaches students about crucial issues of human relationships, particularly as revealed through communication issues. The sequence of courses recommended below will prepare students to enter a wide array of fields, including but not limited to advertising, marketing, business, education, law, politics, public service, public relations and human resource management. Speech Communication courses provide an important foundation for students to develop not only professional, work-related skills, but also personal skills that will enhance their overall quality of life and relationships.

Semester One		Credit Hours
	PSY 100◇ Introduction to Psychology	3
#	RHT 101◇ Freshman Rhetoric and Composition I	3
	SPE 101◇ Principles of Effective Speaking	3
	SPE 111◇ Interpersonal Communication	3
	General education /Mathematics	3
	Electives	2
		<hr/>
		17

Semester Two		Credit Hours
	HIS 151◇ <i>History of the United States to 1877</i> or	
	PSC 150◇ <i>American National Politics</i>	3
#	RHT 102◇ Freshman Rhetoric and Composition II	3
#	SPE 113◇ <i>Small Group Communication</i> or	
	SPE 141◇ <i>Introduction to Performance Studies</i>	3
	General education /Humanities	3
	General education/Physical Science	4
		<hr/>
		16

Semester Three		Credit Hours
#	SPE 113◇ <i>Small Group Communication</i> or	
#	SPE 121◇ <i>Advanced Public Speaking</i>	3
	General education/Fine Arts	3
	General education/Life Science	4
	General education/Social & Behavioral Science	3
	Electives	2
		<hr/>
		15

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Semester Four

# MCM 120	Mass Communication (recommended elective)	3
SPE 112	<i>Intercultural Communication</i> or	
# SPE 294	<i>Gender and Communication</i>	3
	General education/Fine Arts	3
	Electives	7
		<hr/> 16

Recommended electives:

AHL 102	Ethics and Law for Allied Health	1
ANT 103	Introduction to Cultural Anthropology	3
ANT 150	Cultural Contexts	3
BUS 127	Principles of Marketing	3
BUS 150	Principles of Management	3
CJA 161	Administration of Justice	3
ECO 102	Macroeconomics	3
GEO 104	Contemporary World Cultures	3
GEO 105	Economic Geography	3
HIS 121	History of Western Civilization I	3
HIS 141	World History I	3
HIS 152	History of the U.S. Since 1877	3
HUM 124	Professional Ethics	1
# MCM 205	Basic Broadcast Announcing	3
PHL 101	Introduction to Philosophy	3
PHL 102	Logic	3
PHL 104	Social and Political Philosophy	3
PHL 105	World Religions	3
PSC 151	American State and Urban Politics	3
# PSY 201	Introduction to Social Psychology	3
# PSY 210	Psychology of Personality	3
SOC 131	Social Problems	3
# SOC 225	Racial and Cultural Minorities	3
SPE 130	Introduction to Theatre	3
SPE 296	Special Topics in Speech and Theatre	1-4
SSC 190	Contemporary Society	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
Speech Communication courses or other electives for AA degree 23-27

See SPE course descriptions on page 216.

Chairperson: Dennis McNamara, Ext. 3597

Speech/Theatre**Curriculum U224A22**

The Speech/Theatre curriculum outlined here, is well-suited for students interested in theatre as an artistic form of human communication. Students will explore aesthetic and practical aspects of the theatre process. These courses are especially appropriate for students who are interested in pursuing careers in such aspects of theatre as acting, directing, producing, stagecraft, scenic design, stage management and education.

Semester One		Credit Hours
	PSY 100	Introduction to Psychology 3
#	RHT 101	Freshman Rhetoric and Composition I 3
	SPE 101	Principles of Effective Speaking 3
	SPE 130	<i>Introduction to Theatre</i> or
	SPE 135	<i>Stagecraft*</i> 3
	SPE 161	Acting I 3
		General education and/or electives 2
		<hr/> 17

Semester Two		
#	ENG 102	Introduction to Drama 3
#	RHT 102	Freshman Rhetoric and Composition II 3
	SPE 130	<i>Introduction to Theatre</i> or
	SPE 135	<i>Stagecraft*</i> 3
#	SPE 162	Acting II 3
		General education/Humanities & Fine Arts
		Suggested electives (ART 111 or ART 112) 3
		General education/Mathematics 3
		<hr/> 18

Semester Three		
#	SPE 113	Small Group Communication 3
	SPE 141	Introduction to Performance Studies 3
		General education/Physical Science 4
		Electives 3
		<hr/> 13

Semester Four		
	HIS 151	<i>History of the United States to 1877</i> or
	PSC 150	<i>American National Politics</i> 3
		General education/Life Science 4
		General education/Social & Behavioral Science 3
		Electives 6
		<hr/> 16

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
Speech/Theatre courses or other electives for AA degree 23-27

See SPE course descriptions on page 216.

Recommended electives include: Drawing (ART 117), Music (MUS 181, Applied Voice), Dance (DAN 110), Literature (ENG 101, ENG 103, ENG 105), Speech/Theatre (SPE 296) History, Psychology and Sociology.

Chairperson: Dennis McNamara, Ext. 3597

Women’s and Gender Studies

Curriculum U224A15

The formation of women’s identity and the construction of gender, past and present, are integral to the courses in this program. This interdisciplinary curriculum includes exciting coursework that explores human experience and identity through the lens of gender. Students investigate and analyze how society, economics, history and culture impact the construction of gender.

Students who enroll in Women’s and Gender Studies will be well-prepared to transfer into a four-year degree program that offers a major or minor in women’s and/or gender studies. Many courses in the Women’s and Gender Studies program also fulfill general education requirements that will easily transfer to four-year colleges and universities, even if a student wishes to major in another area. Appropriate for those planning to study a variety of disciplines, including, but not limited to business, communications, humanities, health and human services. Exploration of the women’s and gender-focused topics in this curriculum also will be useful for those already in professional settings, as it will broaden understanding of current cultural expectations of women and men and support sensitivity to gender issues in the workplace.

The following courses, when designated as women’s and gender studies sections, are recommended to complete the General Education Core requirements and/or fulfill elective requirements. There also will be special topics courses in Women’s and Gender Studies offered in various disciplines that are appropriate to this curriculum.

General Education Core: 12 to 13 courses (37-41 semester credits)

Communications: Three courses (nine semester credits)

RHT 101◇	Freshman Rhetoric and Composition I	3
RHT 102◇	Freshman Rhetoric and Composition II	3
SPE 101◇	Principles of Effective Speaking	3

Note: *Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇.*

Social & Behavioral Sciences: Three courses (nine semester credits) with courses selected from at least two disciplines.

ANT 101◇	*Introduction to Anthropology	3
ANT 103◇	*Introduction to Cultural Anthropology	3
ANT 150◇	*Cultural Contexts	3
GEO 104◇	*Contemporary World Cultures	3
GEO 105◇	*Introduction to Economic Geography	3
GEO 106◇	Regional Geography of Africa and Asia	3
HIS 141◇	*World History I	3
HIS 142◇	*World History II	3
HIS 151◇	History of the United States to 1877	3
HIS 152◇	History of the United States Since 1877	3
HIS 156◇	*African History	3
# PSY 201◇	Introduction to Social Psychology	3
# PSY 216◇	Child Psychology	3
SOC 100◇	Introduction to Sociology	3
# SOC 120◇	Social Patterns of Courtship & Marriage	3
SOC 131◇	Social Problems	3

Humanities & Fine Arts: Three courses (nine semester credits) with at least one course selected from Humanities and at least one course from the Fine Arts.

Fine Arts

ART 111◇	Ancient to Medieval Art	3
ART 112◇	Renaissance to Modern Art	3
MCM 150◇	Film History and Appreciation	3
MUS 110◇	Listening to Music	3
SPE 130◇	Introduction to Theater	3

Humanities

# ENG 101◇	Introduction to Poetry	3
# ENG 102◇	Introduction to Drama	3
# ENG 103◇	Introduction to Fiction	3
HUM 151◇	Great Books of the West I	3
HUM 152◇	Great Books of the West II	3
HUM 165◇	*Introduction to the Latin American Experience	3
PHL 101◇	Introduction to Philosophy	3
PHL 103◇	Ethics	3

Mathematics: One course (three semester credits)

Physical & Life Sciences: Two courses (seven to eight semester credits), with one course selected from the Life Sciences and one course from the Physical Sciences, including at least one laboratory course.

Life Science

BIS 102◇	Human Heredity and Society	4
BIS 104◇	Issues in Modern Biology	4

Physical Science: one course (four to five credits)

Recommended Electives:

ART 110◇	Looking at Art	3
COL 101◇	Introduction to College	1
CSG 150◇	Career/Life Planning	1
# ENG 170◇	Children’s Literature	3
# HUM 170◇	Introduction to Women’s and Gender Studies	3
# PSY 250◇	Psychology of Gender	3
SPE 141◇	Introduction to Performance Studies	3
# SPE 294◇	Gender and Communication	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AA degree on page 51 37-41
 Women’s and Gender Studies designated courses or 23-27
 other electives for AA degree

Chairperson: Bill Decker, Ext. 3509

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.*

*discipline: a subject or field of activity, for example, an academic subject

Associate in Arts Teaching Degree/Early Childhood Education

Curriculum U213E (64 semester hours required)

The Associate in Arts in Teaching Early Childhood Education provides students with the program equivalent of the first two years of most four-year college teacher education programs in Early Childhood Education. Students should check individual school requirements before completing the curriculum as outlined. The degree consists of general education courses, professional education courses and courses in the Early Childhood Education major area. These courses encompass the eleven Illinois Professional Teaching Standards, the Technology Standards for All Teachers and the Core Language Arts Standards for All Teachers. Students must also pass the Illinois Basic Skills test to earn the AAT in Early Childhood Education and develop a portfolio reflecting the Illinois Professional Teaching Standards. AAT students are advised to complete the degree prior to transfer. Admission into baccalaureate degree programs is competitive and most senior institutions require a GPA of 2.5 or higher. Completion of these courses alone does not guarantee admission into the senior institution.

Degree Requirements:

Prior to graduation, each AAT Early Childhood candidate will be required to present their portfolio to an AAT advisory committee for review. The chairperson of Education will recommend the candidate be awarded the AAT in Early Childhood if the AAT candidate has met the following requirements:

- approval of the portfolio
- passing scores on the Illinois Test of Basic Skills (ITBS)
- students must complete a "C" or better in all coursework in the AAT Early Childhood Education Degree
- overall GPA of 2.75
- satisfactory aggregated professional dispositions ratings

AAT Degree Prerequisite Courses:

General Education/Communications (nine semester credits)

# RHT 101◇	Freshman Rhetoric and Composition I	3
# RHT 102◇	Freshman Rhetoric and Composition II	3
SPE 101◇	Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇

Remaining General Education:

General Education/Humanities & Fine Arts¹ (nine semester credits) (to include Music, drama, dance and visual arts)

ART 110◇	Looking at Art	3
# HUM 104◇	Humanities Through the Arts	3
# MUS 110◇	Listening to Music	3

General Education/Mathematics (six semester credits)

# MAT 102◇	Liberal Arts Mathematics	3
# MAT 170◇	Elementary Statistics	3

General Education/Physical & Life Sciences (seven semester credits)

(one course selected from the Life Sciences and one course from the Physical Sciences, including at least one laboratory course. All courses must be IAI approved as designated in course catalog descriptions.)

(refer to NOTE under AAT Science Core Courses)

General Education/Social & Behavioral Sciences¹ (nine semester credits)

(to include History, Geography, Economics and Political Science)

(courses should be taken from at least two disciplines. All courses must be IAI approved as designated in course catalog descriptions. At least one course must meet Illinois Human Diversity requirement. (Human Diversity courses are noted with an (*))

Professional Education Component Required:

(Professional Ed. Component) (nine semester credits)

ECE 110◇	Early Childhood Development	3
# EDU 207◇	Introduction to Education (with a clinical component*	3
May choose 3 additional credits from:		
# ECE 142◇	Students with Disabilities in School (recommended)	3
# EDU 215◇	Educational Psychology	3

*The clinical component should include the field experiences in a variety of educational settings. For students intending to pursue an AAT Early Childhood degree, it would be appropriate for half (1/2) the number of hours to be spent in Early Childhood environments. A variety of assignments and activities should be included, with artifacts and assessments documented. A minimum of 15 contact hours of field experience is required.

Required: Early Childhood Major Area (15 semester credits)

ECE 111◇	Introduction to Early Childhood Education	3
# ECE 118◇	Health, Nutrition and Safety	3
# ECE 121◇	Language Development and Activities	3
# ECE 138◇	Observation, Assessment, Curriculum and Guidance of Young Children	4
# ECE 146◇	Child, Family & Community	2
Total semester hours required for AAT in Early Childhood Education degree		64

See ECE course descriptions on page 173; EDU course descriptions on page 175; MAT course descriptions and IAI codes on page 195.

¹Human Diversity is required; student needs to take one course with an asterisk, from Humanities & Fine Arts or Social & Behavioral Sciences as noted in the Associate in Arts degree on page 51.

Chairperson: Mary Rinchiuso, Ext. 3022

Associate in Arts Teaching Degree/Secondary Mathematics

Curriculum U213M (63 semester hours required)

An introduction to teaching as a profession in the American education system offering a variety of perspectives on education, including historical, professional, social, legal and ethical issues in a diverse society. Also includes how schools are structured, governed and operated. Observation and assessment skills will be fostered through field experience. Admission into the AAT degree program is dependent upon completion of AAT degree prerequisite courses with a grade of "C" or better in each course and an overall GPA of 2.5 or better in the prerequisite courses. Completion of these courses alone does not guarantee admission into the senior institution.

Degree Requirements:

- Successful completion of the Illinois Test of Basic Skills (ITBS). It is recommended that students take the Basic Skills Test prior to their accumulation of 45 semester hours of credit. A student must pass the ITBS prior to being awarded an AAT degree. **Official Illinois Test of Basic Skills test results must be submitted to the college prior to graduation.**
- Initiation of standards-based electronic professional portfolio.
- Evidence of appropriate professional dispositions.
- Students must complete a "C" or better in all coursework in the AAT Secondary Mathematics Degree.

AAT Degree Prerequisite Courses:

General Education/Communications (nine semester credits)

#	RHT 101◇	Freshman Rhetoric and Composition I	3
#	RHT 102◇	Freshman Rhetoric and Composition II	3
	SPE 101◇	Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇

Remaining General Education:

General Education/Humanities & Fine Arts¹

(nine semester credits)

(one course from Humanities and one course from Fine Arts)

General Education/Social & Behavioral Sciences¹

(nine semester credits)

(courses taken from at least two disciplines)

General Education/Mathematics

#	MAT 131◇	Calculus & Analytic Geometry I	5
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General Education/Physical & Life Sciences (eight semester credits)

(one course from Life Sciences and one course from Physical Sciences, with one of the courses to include a lab)

AAT Mathematics Major Courses (20 semester credits)

(Select courses that meet the BA requirements of your transfer college.)

	CIS 101◇	Introduction to Computer Science or	
	SPN 190◇	Career Spanish	3
	EDU 105◇	Technology for Educators	3
#	EDU 207◇	Introduction to Education	3
#	MAT 133◇	Calculus & Analytic Geometry II	5
#	MAT 135◇	Calculus & Analytic Geometry III	3
#	MAT 224◇	Linear Algebra	3

Take one of the following courses (three semester credits)

#	ECE 142◇	Students with Disabilities in School	3
#	EDU 200◇	Introduction to Special Education	3
#	EDU 206◇	Human Growth & Development	3
#	EDU 215◇	Educational Psychology	3

Total semester hours required for AAT in Secondary Mathematics degree 63

See EDU course descriptions on page 175; MAT course descriptions and IAI codes on page 195.

¹Human Diversity is required; student needs to take one course with an asterisk, from Humanities & Fine Arts or Social & Behavioral Sciences as noted in the Associate in Arts degree on page 51.

Chairperson: Mary Rinchuso, Ext. 3022

Associate in Arts Teaching Degree/Secondary Science

Curriculum U213S (63 semester hours required)

Triton's Education curriculum is designed to allow a student to achieve an Associate in Arts Teaching (AAT) degree. Students obtaining an AAT degree in Secondary Science should have equal status with university native students at the beginning of the junior year. Admission into the AAT degree program is dependent upon completion of AAT degree prerequisite courses with a grade of "C" or better in each course and an overall GPA of 2.5 or better in the prerequisite courses. Completion of these courses alone does not guarantee admission into the senior institution.

Degree Requirements:

- Successful completion of the Illinois Test of Basic Skills (ITBS). It is recommended that students take the Basic Skills Test prior to their accumulation of 45 semester hours of credit. A student must pass the ITBS prior to being awarded an AAT degree. **Official Illinois Test of Basic Skills test results must be submitted to the college prior to graduation.**

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AA Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines**. See catalog with AA Degree Requirements on page 51 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

- Evidence of appropriate professional dispositions.
- Students must complete a "C" or better in all coursework in the AAT Secondary Science Degree.

AAT Degree Prerequisite Courses:

General Education/Communications (nine semester credits)		
#	RHT 101◇ Freshman Rhetoric and Composition I	3
#	RHT 102◇ Freshman Rhetoric and Composition II	3
	SPE 101◇ Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇

Remaining General Education:

General Education/Humanities & Fine Arts¹ (six semester credits)
(one course from Humanities and one course from Fine Arts)

General Education/Social & Behavioral Sciences¹ (six semester credits)
(courses taken from at least two disciplines)

General Education/Mathematics (eight to 10 semester credits)		
#	MAT 131◇ Calculus & Analytic Geometry I and	5
#	MAT 133◇ <i>Calculus & Analytic Geometry II</i> or	5
#	MAT 170◇ <i>Elementary Statistic</i>	3

General Education/Physical & Life Sciences (nine semester credits)
(one course from Life Sciences and one course from Physical Sciences, with one of the courses to include a lab)

(refer to NOTE under AAT Science Core Courses)

AAT Science Required Core Courses (8 semester credits)

NOTE: All four of the following core courses are required; however, BIS 150◇ and CHM 140◇ fulfill the Physical & Life Sciences general education requirement.

#	BIS 150◇ Principles of Biology I	4
#	CHM 140◇ General Chemistry I	5
	PHS 100◇ Introduction to Earth Science	4
#	PHY 106◇ General Physics (Mechanics)	4

Major Courses (13 semester credits)

In order to facilitate transfer, the following courses are necessary to complete the introductory Biology, Chemistry and Physics sequences:

#	BIS 151◇ Principles of Biology II	4
#	CHM 141◇ General Chemistry II	5
#	PHY 107◇ General Physics (Electricity, Magnetism and Thermodynamics)	4

Professional Education Courses (four semester credits)

	EDU 203◇ Portfolio Development for Educators	1
#	EDU 207◇ Introduction to Education	3

Total semester hours required for AAT in Secondary Science degree **63**

Elective Option

These courses are in addition to the required hours for the AAT/Secondary Science degree. If additional hours will be accepted at your transfer school, choose one course from the following list, which best supports your area of concentration.

	BIS 104◇ Issues in Modern Biology	4
#	BIS 240◇ Human Anatomy & Physiology I	4
#	CHM 234◇ Organic Chemistry I	5
#	PHY 108◇ General Physics (Waves, Optics Relativity & Quantum Mechanics)	4

See EDU course descriptions on page 175; MAT course descriptions and IAI codes on page 195.

¹Human Diversity is required; student needs to take one course with an asterisk, from Humanities & Fine Arts or Social & Behavioral Sciences as noted in the Associate in Arts degree on page 51.

Chairperson: Mary Rinchuso, Ext. 3022

Associate in Arts Teaching Degree/Special Education

Curriculum U213P (62 semester hours required)

The Associate of Arts in Teaching Special Education provides students with the program equivalent of the first two years of most four-year college teacher education programs in special education. Students should check individual school requirements before completing the curriculum as outlined. The degree consists of general education courses, professional education courses and courses in the special education major area. These courses encompass the eleven Illinois Professional Teaching Standards, the Core Technology Standards, the Core Language Arts Standards and all appropriate Special Education Standards. Students must also pass the Illinois Basic Skills test to earn the AAT in Special Education and develop a portfolio reflecting the Illinois Professional Teaching Standards. AAT students are advised to complete the degree prior to transfer. Transfer students obtaining the AAT Special Education degree will be on "equal footing" with native four-year institution students when seeking admission to an upper-division Special Education degree program. Admission into baccalaureate degree programs is competitive and most senior institutions require a GPA of 2.5 or higher. A "C" or better is required in all coursework at Triton College and senior institutions. Completion of these courses alone does not guarantee admission into the senior institution.

Degree Requirements:

- Successful completion of the Illinois Test of Basic Skills (ITBS). It is recommended that students take the Basic Skills Test prior to their accumulation of 45 semester hours of credit. A student must pass the ITBS prior to being awarded an AAT degree. **Official Illinois Test of Basic Skills test results must be submitted to the college prior to graduation.**
- Initiation of standards-based professional portfolio. A standards-based professional portfolio is an outcome of our

EDU 2070, Introduction to Education class. A passing grade on this portfolio is a requirement to successfully complete this class. This portfolio addresses all IPTS so that the student will continue to collect, after EDU 2070, all artifacts that represent successful completion of IPTS, throughout the degree. This will be viewed with the student and education counselor or chairperson at their semester meetings.

- Students must complete a "C" or better in all coursework in the AAT Special Education Degree.
- Evidence of appropriate professional dispositions. (attached "Assessment of Dispositions" evaluation form will be completed and enter into student's portfolio for each class and lab placement and reviewed by the Education Department chairperson and Education counselor on a semester basis.
- All courses in the Social and Behavioral Sciences and Physical and Life Sciences must be IAI approved as designated in the course catalog description. At least one of the Social and Behavioral Science courses must meet the states Human Diversity requirement. These courses are designated by (*) in the college catalog.

AAT Degree Prerequisite Courses:

General Education/Communications (nine semester credits)

# RHT 1010	Freshman Rhetoric and Composition I	3
# RHT 1020	Freshman Rhetoric and Composition II	3
SPE 1010	Principles of Effective Speaking	3

Note: Grade of "C" or better is an IAI requirement for RHT 1010 and RHT 1020

Remaining General Education:

General Education/Humanities & Fine Arts¹ (nine semester credits)

(at least one course from Humanities and one course from Fine Arts (a Non-Western course is required) Courses selected must be IAI approved.)

General Education/Social & Behavioral Sciences¹ (nine semester credits)

(courses must be selected from at least two disciplines. Courses selected must be IAI approved.)

Suggested course:

PSC 1500	American National Politics	3
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General Education/Mathematics (six semester credits)

# MAT 1170	Math for Elementary School Teachers II	3
# MAT 1700	Elementary Statistics	3

General Education/Physical & Life Sciences (eight semester credits)

(at least one course selected from Life Sciences and one lab course from Physical Sciences. Both courses must be IAI approved.)

(refer to NOTE under AAT Science Core Courses)

AAT Special Education Required Core Courses (21 semester credits)

EDU 1050	Technology for Educators	3
# EDU 2000	Introduction to Special Education	3
# EDU 2060	Human Growth and Development	3
# EDU 2070	Introduction to Education	3
# EDU 2150	Educational Psychology	3

Select **two** of the following:

EDU 1100	Diversity of Schools and Society	3
# EDU 2080	Introduction to the Foundations of Reading	3
# EDU 2090	Language Development	3

Total semester hours required for AAT in Special Education degree 62

See EDU course descriptions on page 175; MAT course descriptions and IAI codes on page 195.

¹Human Diversity is required; student needs to take one course with an asterisk, from Humanities & Fine Arts or Social & Behavioral Sciences as noted in the Associate in Arts degree on page 51.

NOTE:

- IAI approved general education courses are clearly indicated in the description section of the college catalog.
- A college may require a greater number of general education hours than the model suggests, but consideration should be given to the total number of hours in the degree and the possibility that additional hours may not be accepted in transfer.
- A Foreign Language is a requirement at some institutions. Consult advising staff.

Chairperson: Mary Rinchioso, Ext. 3022

Associate in Science Degree Requirements

Curriculum U230A (64 semester hours required)

For students who intend to pursue a Bachelor of Science degree at a four-year school.

Students must meet the prescribed general education requirements listed below for the Associate in Science degree and should complete the remaining required semester hours according to the requirements of the four-year school to which they plan to transfer. The "◇" symbol on courses means articulated courses on page 39.

NOTE: *The following AS degree requirements, effective summer 1998, meet the Illinois Community College Board's recommended model including the IAI General Education Core curriculum.*

Communications: Three courses (nine semester credits)

# RHT 101◇	Freshman Rhetoric and Composition I	3
# RHT 102◇	Freshman Rhetoric and Composition II	3
SPE 101◇	Principles of Effective Speaking	3

Note: *Grade of "C" or better is an IAI requirement for RHT 101◇ and RHT 102◇*

Social and Behavioral Science: Three courses (nine semester credits), with courses selected from at least two disciplines.

Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity which may be taken as a Social and Behavioral Science or a Humanities and Fine Arts course. These courses are notated with an (*).

ANT 101◇	*Introduction to Anthropology	3
ANT 102◇	Introduction to Physical Anthropology	3
ANT 103◇	*Introduction to Cultural Anthropology	3
ANT 105◇	Introduction to Archaeology	3
ANT 150◇	*Cultural Contexts	3
ECO 102◇	Macroeconomics	3
ECO 103◇	Microeconomics	3
GEO 104◇	*Contemporary World Cultures	3
GEO 105◇	*Introduction to Economic Geography	3
GEO 106◇	*Regional Geography of Africa and Asia	3
HIS 121◇	History of Western Civilization I	3
HIS 122◇	History of Western Civilization II	3
HIS 141◇	*World History I	3
HIS 142◇	*World History II	3
HIS 151◇	History of the United States to 1877	3
HIS 152◇	History of the United States Since 1877	3
HIS 156◇	*African History	3
HIS 171◇	*History of Latin American I	3
HIS 172◇	*History of Latin American II	3
HIS 191◇	*History of Asia and the Pacific I	3
HIS 192◇	*History of Asia and the Pacific II	3
PSC 120◇	Principles of Political Science	3
PSC 150◇	American National Politics	3
PSC 151◇	American State and Urban Politics	3
PSC 184◇	Global Politics	3

PSY 100◇	Introduction to Psychology	3
# PSY 201◇	Introduction to Social Psychology	3
# PSY 216◇	Child Psychology	3
# PSY 222◇	Adolescent Psychology	3
# PSY 228◇	Psychology of Adulthood and Aging	3
SOC 100◇	Introduction to Sociology	3
# SOC 120◇	Social Patterns of Courtship & Marriage	3
SOC 131◇	Social Problems	3
# SOC 225◇	*Racial and Cultural Minorities	3
SSC 190◇	Contemporary Society	3

Humanities and Fine Arts: Three courses (nine semester credits), with at least one course selected from Humanities and at least one course from the Fine Arts. Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity which may be taken as a Humanities and Fine Arts or Social and Behavioral Science course. These courses are notated with an (*).

Humanities		
# ENG 101◇	Introduction to Poetry	3
# ENG 102◇	Introduction to Drama	3
# ENG 103◇	Introduction to Fiction	3
# ENG 105◇	Literature of the Western World	3
# ENG 113◇	Classic American Authors Before Civil War	3
# ENG 114◇	Classic American Authors, Civil War to Present	3
# ENG 231◇	Introduction to Shakespeare	3
HUM 104◇	Humanities Through the Arts	3
HUM 151◇	Great Books of the West I	3
HUM 152◇	Great Books of the West II	3
HUM 165◇	*Introduction to the Latin American Experience	3
IDS 101◇	The Arts in Western Culture I	3
IDS 102◇	The Arts in Western Culture II	3
# ITL 104◇	Intermediate Italian II	4
PHL 101◇	Introduction to Philosophy	3
PHL 102◇	Logic	3
PHL 103◇	Ethics	3
PHL 105◇	*World Religions	3
# SPN 104◇	Intermediate Spanish II	4
# SPN 151◇	Introduction to Spanish-American Literature I	3
# SPN 152◇	Introduction to Spanish-American Literature II	3
Fine Arts		
ART 110◇	Looking at Art	3
ART 111◇	Ancient to Medieval Art	3
ART 112◇	Renaissance to Modern Art	3
ART 114◇	*Survey of Asian Art	3
HUM 104◇	Humanities Through the Arts	3
IDS 101◇	The Arts in Western Culture I	3
IDS 102◇	The Arts in Western Culture II	3
MCM 150◇	Film History and Appreciation	3
MUS 110◇	Listening to Music	3
# MUS 215◇	Introduction to Music History	3
MUS 216◇	Music in America	3
SPE 130◇	Introduction to Theater	3

Mathematics: Two courses (six semester credits)

# ECO 1700	Statistics for Business and Economics	3
# MAT 1010	Quantitative Literacy	3
# MAT 1020	Liberal Arts Mathematics	3
# MAT 1170	Math for Elementary School Teachers II	3
# MAT 1240	Finite Mathematics	3
# MAT 1310	Calculus & Analytic Geometry I	5
# MAT 1330	Calculus & Analytic Geometry II	5
# MAT 1340	Introduction to Calculus for Business and Social Science	5
# MAT 1350	Calculus & Analytic Geometry III	3
# MAT 1700	Elementary Statistics	3

Physical and Life Science: Two courses (seven to eight semester credits), with one course selected from the Life Sciences and one course from the Physical Sciences including at least one laboratory course.

Physical Science

AST 1000	Introduction to Astronomy	4
AST 1010	Astronomy of the Solar System	4
AST 1020	Astronomy of the Stars and Beyond	4
CHM 1000	Chemistry and Society	4
# CHM 1100	Fundamentals of Chemistry	4
# CHM 1400	General Chemistry I	5
GEO 2000	Physical Geography: Weather and Climate	4
GEO 2010	Physical Geography: Maps and Land Forms	4
GOL 1010	Physical Geology	4
GOL 1020	Historical Geology	4
PHS 1000	Introduction to Earth Science	4
PHS 1410	Applications of Physical Science Concepts	4
PHS 1420	Science of Light and Music	4
# PHY 1000	General Physics	4
# PHY 1010	General Physics (Mechanics, Heat & Sound)	5
# PHY 1060	General Physics (Mechanics)	4

Life Science

BIS 1000	General Biology	4
BIS 1010	Human Biology	4
BIS 1020	Human Heredity and Society	4
BIS 1040	Issues in Modern Biology	4
BIS 1050	Environmental Biology	4
BIS 1080	Biology of Humans	3
# BIS 1220	Introductory Microbiology	4
# BIS 1500	Principles of Biology I	4
HRT 1250	Plants and Society	4

General Education Core:

12 to 13 courses (40 to 41 semester credits)

Total credits required for graduation 64

- No more than two courses from any one discipline can be used to fulfill General Education Core curriculum requirements.
- While few baccalaureate institutions require a foreign or second language in their campus-wide general education requirements, competency through two, three, or four college semesters (or the high school equivalent) in a single

foreign/second language is required for the Bachelor of Arts degree at some universities, for all bachelor's degrees in some colleges (such as Colleges of Liberal Arts, and for some bachelor's degree majors.

- **Community college students who intend to transfer should plan to complete the foreign language courses required by their intended transfer institution, college within a university and /or major prior to transferring.**
- Students must earn a passing letter grade in each course used to fulfill requirements. Passing scores (based on national norms) on appropriate AP and CLEP exams may be used to fulfill requirements for students who earn an Associate of Arts or an Associate of Science degree prior to transfer. For other transfer students, receiving institutions will follow established credit policies.

Transfer Major and Electives (23-24 credit hours)

- It is recommended that students select the remaining courses from their major area of study of the IAI approved or articulated courses with a counselor.
- It is highly recommended that students enroll in COL 1010, COL 1020, CSG 1500 and HTH 1040 or HTH 2810.

General Education electives must be selected from AA/AS applicable course list *and* must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AS Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AS Degree Requirements on page 70 for required hours and number of courses in each discipline.*

*discipline: a subject or field of activity, for example, an academic subject

Accounting & Business Administration

Curriculum U230A06

This series of courses is for transfer students with interests in accounting, law, economic history, economics of government and business, finance, general economics, labor economics, management, marketing, personnel management and business education.

Since four-year schools differ greatly in their requirements, students should select courses from the general education requirements and electives list that will best fit the program of the school to which they intend to transfer.

Semester One	Credit Hours
ACC 101◇ Financial Accounting	3
BUS 141◇ Introduction to Business	3
# RHT 101◇ Freshman Rhetoric & Composition I	3
General education/Humanities & Fine Arts	3
General education/Social & Behavioral Science	3
	15
Semester Two	
ACC 105◇ Managerial Accounting	3
BUS 161◇ Business Law I	3
CIS 101◇ Introduction to Computer Science	3
# ECO 170◇ Statistics for Business and Economics ¹	3
# RHT 102◇ Freshman Rhetoric & Composition II	3
General education/Humanities & Fine Arts	3
	18
Semester Three	
ECO 102◇ Macroeconomics	3
SPE 101◇ Principles of Effective Speaking	3
General education/Physical & Life Science	4
Electives	6
	16
Semester Four	
ECO 103◇ Microeconomics	3
# MAT 131◇ <i>Calculus & Analytic Geometry I</i> or	
# MAT 134◇ <i>Introduction to Calculus for Business and Social Science</i>	5
General education/Humanities & Fine Arts	3
General education/Physical & Life Science	4
	15
Total credits required for graduation	64

Recommended Electives:

# ACC 151◇ Intermediate Accounting I	3
# ACC 152◇ Intermediate Accounting II	3
# ACC 166◇ Cost Accounting	3
# BUS 112◇ Principles of Finance	3
BUS 127◇ Principles of Marketing	3
BUS 128◇ Sales Force Management	3
BUS 150◇ Principles of Management	3
# BUS 162◇ Business Law II	3
# BUS 163◇ Legal and Social Environment of Business	3
BUS 200◇ Introduction to Human Resource Management	3

# CIS 150◇ Computer Systems Applications	3
# ECO 150◇ Money, Credit and Banking	3
GEO 105◇ Economic Geography	3
# MAT 124◇ Finite Mathematics	3

(Select courses that meet the BA requirements of your transfer college.)

General education requirements: AS degree on page 70 40-41
Accounting, business courses or other electives for AS degree 23-24

See ACC course descriptions and IAI codes on page 147; BUS course descriptions on page 158.

Foreign Language, Humanities, Mathematics, Natural Science, Social Science or Physical Education courses also are suggested.

¹ECO 170◇ satisfies partial fulfillment of the Mathematics requirement for this curriculum.

Before registering for classes, students should meet with their counselor to get the specific requirements of the school to which they plan to transfer.

Coordinator: Dr. William M. Griffin, Ext. 3579

Anthropology

Curriculum U230A31

Anthropology is the study of humans in all areas and in all periods of time. Physical and cultural courses are offered. Students interested in anthropology as a four-year major should consult the catalog of their transfer school for social, physical and life science requirements appropriate to the first two years of study.

Recommended courses:

ANT 102◇ Introduction to Physical Anthropology	3
ANT 103◇ Introduction to Cultural Anthropology	3
ANT 105◇ Introduction to Archaeology	3
ANT 201◇ Northern American Indians	3
ANT 296◇ Special Topics in Anthropology	3

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 70 40-41
Anthropology courses or other electives for AS degree 23-24

See ANT course descriptions on page 149.

Chairperson: Lorelei Carvajal, Ext. 3440

Biological Sciences

Curriculum U230A26

Biological Science majors may find careers available in biological research, teaching, state and federal government departments, such as environmental protection agencies, park services, departments of natural resources or in private industries, such as forest products, agriculture and food products.

Students planning to major in Biological Sciences must be ready to take RHT 101◊, MAT 111◊ and have had at least one unit of high school Biology and one unit of high school Chemistry. Students meeting these qualifications may then take the following sequence of Science and Mathematics courses along with the appropriate general education courses.

Semester One		Credit Hours
#	CHM 140◊ General Chemistry I	5
#	MAT 131◊ <i>Calculus & Analytic Geometry</i> or	
#	MAT 170◊ <i>Elementary Statistics</i>	3-5
	General education	6
		<hr/> 14-16
Semester Two		
#	BIS 150◊ Principles of Biology I	4
#	CHM 141◊ General Chemistry II	5
	General education	7
		<hr/> 16
Semester Three		
#	CHM 234◊ Organic Chemistry I ²	5
#	PHY 101◊ General Physics (Mechanics, Heat & Sound)	5
	General education	6
		<hr/> 16
Semester Four		
#	PHY 102◊ General Physics (Elect., Magnetism, Optics & Modern Physics)	5
	General education and/or electives	11
		<hr/> 16

Suggested additional electives:

#	BIS 151◊ <i>Principles of Biology II</i> ¹ or	
#	BIS 205◊ <i>Field Ecology</i> ¹	3-4
#	CHM 235◊ Organic Chemistry II ²	5

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51 40-41

Biological Sciences courses or other electives for AS degree 23-24

See BIS course descriptions and IAI codes on page 156.

NOTE: MAT 111◊ is strongly recommended and cannot be used to fulfill the general education requirement. MAT 110◊ and MAT 114◊ can be taken in place of MAT 111◊.

¹Course selection should be coordinated with major area of interest.

²Recommend completion of CHM 234◊ and CHM 235◊ sequence at Triton.

Chairperson: Elizabeth Brindise, Ext. 3312

Chemistry

Curriculum U230A28

Many careers are open to Chemistry majors. Lab technician positions in the chemical industry are available for students with an associate in science degree. Students continuing with a four-year Chemistry major program have career possibilities in research, government, patent law, business administration, sales and purchasing, chemical engineering, environmental work (pollution control and ecology) and quality control in the food industry. Students planning a career in medicine, dentistry or veterinary science often major in Chemistry with supporting Biology courses.

The following courses are recommended for transfer to a four-year college or university for students intending to major in Chemistry. To complete the associate in science degree, all general education requirements must be completed, plus additional courses for a total of 64 credits.

Semester One		Credit Hours
#	CHM 140◊ General Chemistry I	5
#	MAT 131◊ Calculus & Analytic Geometry I	5
#	RHT 101◊ Freshman Rhetoric and Composition I	3
	General education	3
		<hr/> 16
Semester Two		
#	CHM 141◊ General Chemistry II	5
#	MAT 133◊ Calculus & Analytic Geometry II	5
#	RHT 102◊ Freshman Rhetoric and Composition II	3
	General education	5
		<hr/> 18
Semester Three		
#	CHM 234◊ Organic Chemistry I ²	5
#	MAT 135◊ Calculus & Analytic Geometry III	3
#	PHY 101◊ General Physics (Mechanics, Heat & Sound) ¹	5
	General education	5
		<hr/> 18
Semester Four		
#	PHY 102◊ General Physics (Elect., Magnetism, Optics & Modern Physics) ¹	5
	General education	7
		<hr/> 12

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AS Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AS Degree Requirements on page 70 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Suggested additional elective:# CHM 235◊ Organic Chemistry II² 5*(Select courses that meet the BS requirements of your transfer college.)*

General education requirements: AS degree on page 51 40-41

Chemistry courses or other electives for AS degree 23-24

*See CHM course descriptions on page 162.*¹PHY 106◊, PHY 107◊ and PHY 108◊ are required for students planning to major in Engineering.²Recommend completion of CHM 234◊ and CHM 235◊ sequence at Triton.**Chairperson:** Elizabeth Brindise, Ext. 3312

Computer Science (Information Systems)

Curriculum U230A11

Students intending to major in Computer Science with a business emphasis will need a background in Mathematics, economics and accounting in addition to information systems. Baccalaureates in Business Computer Science generally find employment as programmers, systems analysts, operations research, database management or help-desk personnel in business.

Semester One		Credit Hours
ACC 101◊	Financial Accounting	3
CIS 101◊	Introduction to Computer Science	3
# CIS 121◊	<i>Introduction to Programming</i> or	
# CIS 195◊	<i>Programming for Engineers</i>	3
# MAT 124◊	<i>Finite Mathematics</i> or	
# MAT 131◊	<i>Calculus & Analytic Geometry I</i> or	
# MAT 134◊	<i>Introduction to Calculus for Business & Social Science</i>	3-5
	General education/Communications	3
		15-17

Semester Two		
# CIS 125◊	Discrete Mathematics for Computing ¹	4
# CIS 253◊	<i>Advanced Visual Basic Programming</i> or	
# CIS 255◊	<i>C++ Programming</i> or	
# CIS 263◊	<i>Java Programming</i>	3-5
ECO 102◊	Macroeconomics	3
	General education/Communications	3
	General education/Humanities & Fine Arts	3
		16-18

Semester Three		
# CIS 253◊	<i>Advanced Visual Basic Programming</i> or	
# CIS 255◊	<i>C++ Programming</i> or	
# CIS 263◊	<i>Java Programming</i>	3-5
ECO 103◊	Microeconomics	3
	General education/Communications	3
	General education/Humanities & Fine Arts	3
	General education/Physical & Life Science	4
		16-19

Semester Four

# CIS 265◊	<i>Computer Architecture and Assembly Language</i> or	
# CIS 295◊	<i>Data Structures with C/C++</i>	3-4
# ECO 170◊	<i>Statistics for Business and Economics</i> ¹ or	
# MAT 170◊	<i>Elementary Statistics</i>	3
	General education/Humanities & Fine Arts	3
	General education/Physical & Life Science	4
	General education/Social & Behavioral Science	3
		16-17

Electives: (Choose electives that meet the BS requirements of your transfer college.)

BUS 141◊	Introduction to Business	3
BUS 161◊	Business Law I	3
# CIS 150◊	Computer Systems Applications	3
# CIS 275◊	Project Management for Small-Business Systems	3
# CIS 278◊	Database Management Systems	3
# CIS 280◊	Business Systems Analysis and Design	3
# CIS 310◊	Data Communication and Networking Fundamentals	3
# MAT 133◊	Calculus & Analytic Geometry II	5

(Select courses that meet the BS requirements of your transfer college)

General education requirements: AS degree on page 51 40-41

Computer Science courses or other electives for AS degree 23-24

*See CIS course descriptions and IAI codes on page 163.*¹CIS 125◊ and ECO 170◊ may meet the Math requirement for the AS degree.**Coordinator:** (Computer Information Systems): Eric Bell, Ext. 3349**Coordinator:** (Business): Dr. William M. Griffin, Ext. 3579

Computer Science (Technical)

Curriculum U230A12

Students majoring in Computer Science with a Mathematics emphasis need a strong background in Mathematics and computing theory. Bachelor of Science degree graduates will find employment as programmers in scientific and engineering applications, graphics, operating systems or be prepared for graduate education in Computer Science.

Semester One		Credit Hours
# CIS 121◇	<i>Introduction to Programming or</i>	
# CIS 195◇	<i>Programming for Engineers</i>	3
# CIS 125◇	Discrete Mathematics for Computing	4
ECO 102◇	Macroeconomics	3
# MAT 131◇	Calculus & Analytic Geometry I	5
	General education/Communications	3
		18

Semester Two		Credit Hours
# CIS 255◇	C++ Programming	3
# ECO 103◇	Microeconomics	3
# MAT 133◇	Calculus & Analytic Geometry II	5
		17

Semester Three		Credit Hours
# CIS 295◇	Data Structures with C/C++	3
# PHY 106◇	General Physics (Mechanics)	4
	General education/Communications	3
	General education/Humanities & Fine Arts	3
		13

Semester Four		Credit Hours
# CIS 265◇	Computer Architecture and Assembly Language	4
# PHY 107◇	General Physics (Electricity, Magnetism, Thermodynamics)	4
	General education/Humanities & Fine Arts	3
	General education/Physical & Life Science	4
	General education/Social & Behavioral Science	3
		18

Total semester hours required for graduation **66**

Recommended Electives:

# MAT 135◇	Calculus & Analytic Geometry III	3
PHL 102◇	Logic	3
# PHY 108◇	General Physics (Waves, Optics, Relativity & Quantum Mechanics)	4

(Select courses that meet the BS requirements of your transfer college)

General education requirements: AS degree on page 51 40-41
 Computer Science courses or other electives for AS degree 23-24

See CIS course descriptions and IAI codes on page 163.

Coordinator: Mike McGuire, Ext. 3716

Criminal Justice Administration

Curriculum U230A43

This concentration of courses prepares students interested in transferring to a four-year school for a bachelor's degree in criminal or social justice. The courses also provide a background for students interested in law, law enforcement, juvenile work, probation services, parole services, work release or halfway house counseling.

Semester One		Credit Hours
# CJA 111◇	Introduction to Criminal Justice	3
CJA 121◇	Introduction to Corrections	3
COL 101◇	Introduction to College	1
# RHT 101◇	Freshman Rhetoric and Composition I	3
	General education/Physical & Life Science	3
	General education/Social & Behavioral Science	3
		16

Semester Two		Credit Hours
CJA 181◇	Juvenile Delinquency & Law	3
HTH 104◇	<i>Science of Personal Health or</i>	
HTH 281◇	<i>First Aid & CPR</i>	2
# RHT 102◇	Freshman Rhetoric and Composition II	3
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
	Electives ¹	3-4
		17-18

Semester Three		Credit Hours
# CJA 219◇	Criminal Law I	3
SPE 101◇	Principles of Effective Speaking	3
	General education/Humanities & Fine Arts	3
	General education/Mathematics	3
	General education/Physical & Life Science	3
	Science	
		15

Semester Four		Credit Hours
# CJA 201◇	Criminology	3
	General education/Humanities & Fine Arts	3
	General education/Mathematics	3
	General education/Social & Behavioral Science	3
	Science	
	Electives ¹	3-4
		15-16

Total credits required for graduation **64**

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AS Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AS Degree Requirements on page 70 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Suggested General Education and/or Electives:

ECO 102◊	Macroeconomics	3
PHL 103◊	Ethics	3
PSY 100◊	Introduction to Psychology	3
SOC 100◊	Introduction to Sociology	3
# SOC 225◊	Racial & Cultural Minorities	3
	One year of a foreign language sequence	8

Recommended Criminal Justice Administration Courses:

CJA 161◊	Administration of Justice	3
CJA 246◊	Laws of Evidence	3
CJA 257◊	Law Enforcement Administration	3
CJA 296◊	Special Topics in Criminal Justice	0.5-4

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51	40-41
Criminal Justice courses or other electives for AS degree	23-24

See CJA course descriptions and IAI codes on page 167.

Note: See Associate in Applied Science degree in Criminal Justice Administration on page 105 for more information. Also available are certificates in corrections, law enforcement and armed security on page 106.

¹It is recommended that students select the remaining courses from their major area of study with a counselor.

Coordinator: John Augustine, Ext. 3323

Economics

Curriculum U230A08

Triton's courses in Economics will give the learner an understanding of fiscal and monetary policies and cover such topics as supply and demand analysis, market structures and resource allocations.

Recommended courses:

ECO 102◊	Macroeconomics	3
ECO 103◊	Microeconomics	3
# ECO 170◊	Statistics for Business and Economics	3
ECO 296◊	Special Topics in Economics	1-4
# MAT 134◊	Introduction to Calculus for Business and Social Science	5

Suggested electives:

ACC 101◊	Financial Accounting	3
# ACC 105◊	Managerial Accounting	3
# MAT 131◊	Calculus & Analytic Geometry I	5
# MAT 133◊	Calculus & Analytic Geometry II	5

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51	40-41
Economics courses or other electives for AS degree	23-24

See ECO course descriptions on page 175.

Chairperson: Bill Decker, Ext. 3509

Geography

Curriculum U230A32

Geography is the study of the interaction of Earth surface forms and human settlements. It is not only an interesting subject that broadens the horizons of those who study it, but also one that helps individuals, business concerns and governments.

Recommended courses:

GEO 104◊	Contemporary World Cultures	3
GEO 105◊	Economic Geography	3
GEO 200◊	Physical Geography: Weather & Climate	4
GEO 201◊	Physical Geography: Maps & Land Forms	4
GEO 296◊	Special Topics in Geography	1-4

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51	40-41
Geography courses or other electives for AS degree	23-24

See GEO course descriptions on page 185.

Chairperson: Bill Decker, Ext. 3509

Geology

Curriculum U230A33

The geological sciences are fundamentally the study of Earth, its crust and global internal structure, ocean basins, continents, mountains, volcanoes, earthquakes, glaciers and other surface features. Geology also is concerned with the history of the planet, the origin and evolution of the continents, seas and life. Employment opportunities for the geologist are found with state and federal agencies and private engineering firms concerned with land use, geologic hazards, hazardous waste disposal and the management of important resources such as oil, gas, coal, water and various minerals.

		Credit Hours
Semester One		
GOL 101◊	Physical Geology	4
# MAT 111◊	Pre-Calculus	5
	General education and/or electives	6
		<hr/>
		15
Semester Two		
GOL 102◊	Historical Geology	4
	General education and/or electives	12
		<hr/>
		16
Semester Three		
# CHM 140◊	General Chemistry I	5
# PHY 101◊	General Physics (Mechanics, Heat & Sound)	5
	General education and/or electives	6
		<hr/>
		16

Semester Four

# CHM 141◇	General Chemistry II	5
# PHY 102◇	General Physics (Elect., Magnetism, Optics & Modern Physics)	5
	General education and/or electives	7
		<hr/> 17

Suggested electives:

# BIS 150◇	Principles of Biology I	4
# MAT 131◇	Calculus & Analytic Geometry I	5
# MAT 133◇	Calculus & Analytic Geometry II	5

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51	40-41
Geology courses or other electives for AS degree	23-24

See GOL course descriptions on page 186.

Chairperson: Elizabeth Brindise, Ext. 3312

Health, Sport & Exercise Science (formerly Physical Education)

Curriculum U230A36

Triton's Health, Sport and Exercise Science department offers a program that is as diverse as Triton's student body. If you want to major in Physical Education, Health or Exercise Science, want to be involved in sports or are simply interested in keeping fit, you can choose from a variety of transferable credit courses/concentrations. The schedule shown below is provided as guidance to students seeking the associate in science degree.

**General Education Core²
13 courses (40-41 semester credits)**

Communications: Three courses (nine semester credits)

# RHT 101◇	Freshman Rhetoric and Composition I ¹	3
# RHT 102◇	Freshman Rhetoric and Composition II ¹	3
SPE 101◇	Principles of Effective Speaking	3
		<hr/> 9

Social & Behavioral Sciences: Three courses (nine semester credits) with courses selected from at least two disciplines

Recommended Social & Behavioral Sciences Courses:

PSY 100◇	Introduction to Psychology	3
SOC 100◇	Introduction to Sociology	3
	Plus one course from Social & Behavioral Sciences	3
		<hr/> 9

Humanities & Fine Arts²: Three courses (nine semester credits) with at least one course selected from Humanities and at least one course from Fine Arts. Graduation from an Illinois college or university requires satisfactory completion of one or more courses incorporating Human Diversity, which may be taken as a Humanities and Fine Arts or Social and Behavioral Science course. These courses are notated with an asterisk (*).

Mathematics²: Two courses (six semester credits)

Physical & Life Sciences²: Two courses with one course selected from the Life Sciences and one course from Physical Sciences.

Required Health, Sport & Exercise Science Core

HTH 104◇	Science of Personal Health	2
HTH 120◇	Principles of Nutrition	3
HTH 281◇	First Aid & CPR	2
PED 106◇	Total Fitness	1
PED 153◇	Foundations of Exercise	3
	PED elective ³	0-1
		<hr/> 11-12

AREA OF CONCENTRATION COURSES (12-13 semester credits) Students will choose courses from **one** of the following areas:

Physical Education Teaching Concentration:

PED 150◇	Introduction to Physical Education	2
PED 159◇	Selected Team and Recreation Sports	4
PED 169◇	Elementary School Games	3
# EDU 207◇	Introduction to Education	3
		<hr/> 12

Athletic Training Concentration:

PED 200◇	Introduction to Biomechanics	3
PED 210◇	Exercise, Testing and Prescription	3
HTH 220◇	Athletic Training Techniques	3
HTH 221◇	Sport Specific Training and Rehabilitation	3
		<hr/> 12

Coaching Concentration:

HTH 220◇	Athletic Training Techniques	3
PED 168◇	Theory & Practice of Weight Training	2
PED 194◇	Principles of Coaching	3
PED 196◇	<i>Sport & Exercise Psychology</i> or	
PED 197◇	<i>Sociology of Sport</i>	3
PED	Team or Individual Sports elective ¹	1
		<hr/> 12

Wellness Concentration:

HTH 110◇	Public Health & Wellness	3
HTH 150◇	Health & Modern Life	3
HTH 175◇	Drug & Alcohol Education	3
# HTH 213◇	Lifestyle for Health and Fitness	3
		<hr/> 12

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AS Degree Requirements pages explain needed courses in detail. *Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavior Sciences from at least two disciplines*. See catalog with AS Degree Requirements on page 70 for required hours and number of courses in each discipline.*

*discipline: a subject or field of activity, for example, an academic subject

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 70 40-41
Health, Sport & Exercise Science courses or other 23-24
electives for AS degree

See PED course descriptions on page 207.

¹ Grade of 'C' or better is an IAI requirement

² See Associate in Science degree requirements, U230A on page 70 for a list of applicable general education courses.

³ The number of required elective credit is determined by the program option completed.

Chairperson: Julianne Murphy, Ext. 3087

International Business

Curriculum U230A07

This concentration is designed for transfer students with interests in international marketing, finance, economics and management.

Recommended courses:

ACC 101	Financial Accounting	3
ACC 105	Managerial Accounting	3
BUS 161	Business Law I	3
CIS 101	Introduction to Computer Science	3
ECO 102	Macroeconomics	3
ECO 103	Microeconomics	3
	ITL 101, ITL 102; SPN 101, SPN 102 or	
	ITL 103, ITL 104; SPN 103, SPN 104	8-16
GEO 105	Economic Geography	3

Suggested electives:

ANT 103	Introduction to Cultural Anthropology	3
BUS 141	Introduction to Business	3
# MAT 110	College Algebra	5
# MAT 124	Finite Mathematics	3
# MAT 134	Introduction to Calculus for Business & Social Science	5
PSC 184	Global Politics	3

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AS degree on page 51 40-41
Business courses or other electives for AS degree 23-24

See BUS course descriptions on page 158.

Chairperson (Social Science): Bill Decker, Ext. 3509

Coordinator (Business): Dr. William M. Griffin, Ext. 3579

Mathematics

Curriculum U230A27

The study of the various mathematical sciences involves learning ideas and techniques that are essential for the natural and social sciences and increasingly important in all areas of technological society.

Triton College Mathematics department offers classes that range from the college readiness level to those which would be suitable for the first two years of a Mathematics or related major at a transfer institution.

College readiness courses are designed to prepare students for college-level Mathematics and programs of study requiring the use of Mathematics, such as chemistry, accounting and the technologies. These courses are not designed for transfer and do not meet any degree requirements. Entry point in the Mathematics course sequence depends on a placement test score. Students are urged to begin their math sequence as soon as possible, since several semesters of course work may be necessary before a class can be applied toward degree requirements.

Triton has a course to prepare those prospective teachers who are planning to take the Basic Skills test in Mathematics. MAT 095, Basic Skills Test Math Review for Prospective Teachers, is designed to assist students who wish to review material which is covered on the test.

Those students wishing to review all their algebra online are invited to look at MAT 096, Algebra/Geometry when offered. This is an express review for students who only need to brush up their skills.

College Readiness Courses:

MAT 045	Pre-Algebra	5
# MAT 055	Algebra & Geometry I	5
# MAT 085	Algebra & Geometry II	5
MAT 095	Basic Skills Test Math Review for Prospective Teachers	2

The following courses all are articulated and intended to transfer under the Illinois Articulation Initiative. They may be used to fulfill **General Education Core requirements:**

# MAT 101	Quantitative Literacy	3
# MAT 102	Liberal Arts Math	3
# MAT 117	Math for Elementary School Teachers II	3
# MAT 124	Finite Mathematics	3
# MAT 131	Calculus & Analytic Geometry I	5
# MAT 133	Calculus & Analytic Geometry II	5
# MAT 134	Introduction to Calculus for Business & Social Science	5
# MAT 135	Calculus and Analytic Geometry III	3
# MAT 170	Elementary Statistics	3

Students who select a major in Mathematics or a related field should plan their selections with the transfer college requirements in mind. In all cases, it is strongly recommended that the calculus sequence be completed at Triton College, as

many transfer schools will not accept single courses as evidence of meeting requirements.

Some students will be required to take courses, which transfer as electives and are not applied to the General Education Core, but do constitute a prerequisite toward the calculus sequence and Finite Math. They are:

# MAT 110	College Algebra	5
# MAT 111	Pre-Calculus	5
# MAT 114	Plane Trigonometry	3

Occupational fields open to students who complete college Mathematics curricula include analysis in industry or government, teaching, actuarial work, computer programming, data analysis and other statistical work, and mathematical aspects of business and finance.

Semester One		Credit Hours
# MAT 131	Calculus & Analytic Geometry I	5
# RHT 101	Freshman Rhetoric & Composition I	3
SPE 101	Principles of Effective Speaking	3
	General education/Humanities & Fine Arts	3
		<hr/>
		14

Semester Two		Credit Hours
# CIS 195	Programming for Engineers	3
# MAT 133	Calculus & Analytic Geometry II	5
# RHT 102	Freshman Rhetoric & Composition II	3
	General education/Humanities & Fine Arts	3
	General education/Social & Behavioral Science	3
		<hr/>
		17

Semester Three		Credit Hours
# MAT 135	Calculus & Analytic Geometry III	3
# PHY 106	General Physics (Mechanics)	4
	General education/Humanities & Fine Arts	3
	General education/Life Science	4
	General education/Social & Behavioral Science	3
		<hr/>
		17

Semester Four		Credit Hours
# MAT 341	Differential Equations	3
# PHY 107	General Physics (Electricity, Magnetism, and Thermodynamics)	4
	General education/Social & Behavioral Science	3
	Electives	6-7
		<hr/>
		16-17

(Select courses that meet the BS in Mathematics requirements of your transfer college.)

General education requirements: AS degree on page 51	40-41
Mathematics courses or other electives for AS degree	23-24

See MAT course descriptions on page 195.

Chairperson: Cynthia Harris, Ext. 3345

Personal Trainer

(See Personal Trainer Certificate on page 131)

Physics

Curriculum U230A34

The Physics curriculum consists of the first two years of courses needed for a bachelor's degree in Physics. The curriculum includes 12 hours of physics, 10 hours of chemistry, 16 hours of Mathematics, and 27 hours of general education courses. Students begin the two-year Associate in Science Physics program when they are ready to take RHT 101 and MAT 131.

Semester One		Credit Hours
# CHM 140	General Chemistry I	5
# MAT 131	Calculus & Analytic Geometry I	5
# RHT 101	Freshman Rhetoric and Composition I	3
	General education	3
		<hr/>
		16

Semester Two		Credit Hours
# CHM 141	General Chemistry II	5
# MAT 133	Calculus & Analytic Geometry II	5
# PHY 106	General Physics (Mechanics)	4
	General education	3
		<hr/>
		17

Semester Three		Credit Hours
# MAT 135	Calculus & Analytic Geometry III	3
# PHY 107	General Physics (Electricity, Magnetism and Thermodynamics)	4
	General education	9
		<hr/>
		16

Semester Four		Credit Hours
# MAT 341	Differential Equations	3
# PHY 108	General Physics (Waves, Optics, Relativity & Quantum Mechanics)	4
	General education	8
		<hr/>
		15

Suggested electives:

AST 101	Astronomy of the Solar System	4
AST 102	Astronomy of the Stars and Beyond	4
# CIS 195	Programming for Engineers	3

(Select courses that meet the BS requirements of your transfer school.)

General education requirements: AS degree on page 51	40-41
Physics courses or other electives for AS degree	23-24

See PHY course descriptions on page 211.

Chairperson: Elizabeth Brindise, Ext. 3312

General Education electives must be selected from AA/AS applicable course list and must adhere to the requirements of the Illinois Articulation Initiative for graduation if planning to transfer within Illinois. AS Degree Requirements pages explain needed courses in detail. Students are required to select at least one course from Humanities and one course from Fine Arts, a Physical and a Life Science, and courses in Social and Behavioral Sciences from at least two disciplines*. See catalog with AS Degree Requirements on page 70 for required hours and number of courses in each discipline.

*discipline: a subject or field of activity, for example, an academic subject

Pre-Profession

Curriculum U230A30

Pre-professional studies include programs in the health sciences (nutrition, medical dietetics, physical therapy, occupational therapy, medical lab technology, nursing), pre-veterinary medicine, pre-pharmacy, pre-dentistry, pre-medicine, pre-optometry and pre-chiropractic. Students typically begin a pre-professional program when ready to take RHT 101◊, MAT 110◊, and with the equivalent of at least one unit of high school Biology and one unit of high school Chemistry. To facilitate the transfer of credits to the professional school, the student should contact the school to help coordinate his/her course selection at Triton.

Semester One		Credit Hours
#	BIS 150◊ Principles of Biology I	4
#	CHM 140◊ General Chemistry I	5
#	MAT 111◊ Pre-Calculus	5
#	RHT 101◊ Freshman Rhetoric and Composition I	3
		<hr/> 17

Semester Two		Credit Hours
#	BIS 151◊ Principles of Biology II	4
#	CHM 141◊ General Chemistry II	5
	General education	4
		<hr/> 13

Semester Three		Credit Hours
#	BIS 240◊ Human Anatomy and Physiology I ¹	4
#	CHM 234◊ Organic Chemistry I ¹	5
#	MAT 131◊ Calculus & Analytic Geometry I ¹	5
	General education	3
		<hr/> 17

Semester Four		Credit Hours
#	BIS 241◊ Human Anatomy and Physiology II ¹	4
#	CHM 235◊ Organic Chemistry II ¹	5
#	PHY 101◊ General Physics (Mechanics, Heat & Sound) ¹	5
	General education	3
		<hr/> 17

Optional Semester Five or Summer School		Credit Hours
#	PHY 102◊ General Physics (Elect., Magnetism, Optics & Modern Physics) ¹	5
	General education	4-10
		9-15

(Select courses that meet the BS requirements of your transfer school.)

General education requirements: AS degree on page 51 40-41
Pre-profession courses or other electives for AS degree 23-24

¹Courses may not be required for all of the pre-profession programs and therefore should be coordinated with the transfer school.

The following specialized programs can be started at Triton College and then completed at a four-year college.

Students should meet the general education requirements and recommended course work for Triton and then plan the

remainder of their courses according to the four-year college requirements.

Pre-Dentistry

To be admitted to a college of dentistry, a student should have a minimum of two years of work in liberal arts. Course selections should include strong emphasis in Chemistry, Physics and Biology. The Dental Aptitude Test usually is required of an applicant for admission to dental school.

Pre-Engineering

Engineers use analytical and technical tools to provide creative yet economic solutions to problems. Degreed engineers have been consistently in demand, commanding the highest starting salaries among college graduates.

Students should note that four-year colleges and universities vary in specific course and transfer requirements. Therefore, it is important that in selecting Triton courses, students should consult a Triton counselor as well as the catalog and/or admissions advisor at the senior institution to which transfer is intended.

Recommended courses:

#	CHM 140◊ General Chemistry I	5
#	CIS 195◊ Programming for Engineers	3
#	MAT 131◊ Calculus & Analytic Geometry I	5
#	MAT 133◊ Calculus & Analytic Geometry II	5
#	MAT 135◊ Calculus & Analytic Geometry III	3
#	MAT 341◊ Differential Equations	3
#	PHY 106◊ General Physics (Mechanics)	4
#	PHY 107◊ General Physics (Electricity, Magnetism and Thermodynamics)	4

Optional course:

#	PHY 108◊ General Physics (Waves, Optics, Relativity & Quantum Mechanics)	4
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Pre-Forestry

The first two years of forestry can be taken primarily in Liberal Arts. Science and Mathematics courses should be chosen carefully according to the requirements stated in the four-year college catalog.

Pre-Law

A College of Law usually has no specific pre-legal course requirements, but prospective law students should choose their pre-legal subjects so as to achieve a well-rounded general education and one that would be relevant to future career interests.

A four-year college degree is usually required to enter a college of law as is the law school admissions test. Each law school determines its own requirements for grade-point average. It is recommended that a student meet the requirements of either the Liberal Arts or Business Administration curriculum.

Pre-Medicine

Students desiring admission to a college of medicine should have a Bachelor of Science or Bachelor of Arts degree or at least 90 semester hours of college work and be eligible for full senior status in college. Their chosen courses should have emphasis in Biology, Chemistry and Physics. The medical college admissions test is required by most medical schools.

Pre-Nursing

A student who plans to get a Bachelor of Science degree with a major in Nursing may take the first and/or second years of work in Liberal Arts and should be careful especially in selecting Science courses.

Pre-Occupational Therapy

The first two years of occupational therapy can be taken primarily in liberal arts with some specialization according to the requirements stated in the four-year college catalog.

Pre-Optometry

Admittance to a college of optometry requires a minimum of 60 semester hours and a minimum GPA of 2.50 for all college courses attempted.

These courses should emphasize Biology, Chemistry and Mathematics. Automatic admission is not implied by the attainment of the minimum requirements set forth in the program.

Pre-Pharmacy

One year of this curriculum may be taken in liberal arts and the next four years in a College of Pharmacy. Chemistry and Mathematics courses should be included in chosen courses.

Pre-Veterinary

A student usually should present 60 semester hours of acceptable college credit to be admitted to a College of Veterinary Medicine. These courses may be taken in liberal arts and should include emphasis in Chemistry, Biology and Physics.

Chairperson: Elizabeth Brindise, Ext. 3312

Associate in Fine Arts Degree Requirements

The Associate of Fine Arts in Music or Art provides the first two years of post-secondary study in either Music or Art. Accordingly, the student can expect to engage in a variety of courses that will require the student to practice skills necessary for proficiency. The Associate of Fine Arts degree enables the student to achieve competence and understanding necessary for success at the university level.

Art

Curriculum U250A50 (62 semester hours required)

Semester One		Credit Hours
ART 111◇	Ancient to Medieval Art	3
ART 117◇	Drawing I	3
ART 119◇	Two-dimensional Design	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
	General education/Mathematics	3
		15
Semester Two		
ART 112◇	Renaissance to Modern Art	3
# ART 118◇	Drawing II	3
# ART 120◇	Three-dimensional Design	3
# RHT 102◇	Freshman Rhetoric & Composition II	3
PSC 150◇	<i>American National Politics or</i>	
HIS 151◇	<i>History of the United States to 1877</i>	3
		15
Semester Three		
# ART 125◇	Life Drawing I	3
SPE 101◇	Principles of Effective Speaking	3
	General education/Humanities & Fine Arts	3
	General education/Life Science	4
	Art elective(s)	3-6
		16-19
Semester Four		
	General education/Humanities & Fine Arts ¹	3
	General education/Physical Science	4
	General education/Social & Behavioral Science ¹	3
	Art elective(s)	3-6
		13-16
Total credits required for graduation		62

Suggested Electives

(select at least two of the following disciplines)

Ceramics:

# ART 135◇	Ceramics I	3
# ART 136◇	Ceramics II	3

Painting:

# ART 141◇	Painting I	3
# ART 142◇	Painting II	3

Printmaking:

# ART 140◇	Printmaking	3
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Sculpture:

# ART 151◇	Sculpture I	3
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Visual Communication:

VIC 100◇	Graphic Design	3
VIC 104◇	Computer Art I	3

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AFA degree	32
Art courses or other electives for AFA degree	30

See ART course descriptions and IAI codes on page 152.

¹One Human Diversity course must be taken from either Social & Behavioral Science or Humanities/Fine Arts.

Chairperson: Dennis McNamara, Ext. 3597

Music

Curriculum U250M51 (64 semester hours required)

Semester One	Credit Hours
# MUS 105◊ Theory of Music I	3
# MUS 115◊ Sight-singing & Ear-training I	1
# MUS 135◊ Keyboard Musicianship I	1
# RHT 101◊ Freshman Rhetoric & Composition I	3
PSC 150◊ <i>American National Politics</i> or	
HIS 151◊ <i>History of the United States to 1877</i>	3
General education/Mathematics	3
Applied Music elective	2
Ensemble elective	1
	17

Semester Two	Credit Hours
# MUS 106◊ Theory of Music II	3
# MUS 116◊ Sight-singing & Ear-training II	1
# MUS 235◊ Keyboard Musicianship II	1
# RHT 102◊ Freshman Rhetoric & Composition II	3
General education/Life Science	4
Applied Music elective	2
Ensemble elective	1
	15

Semester Three	Credit Hours
# MUS 180◊ Applied Music-Piano	1
# MUS 207◊ Theory of Music III	3
# MUS 215◊ Introduction to Music History	3
# MUS 217◊ Sight-singing & Ear-training III	1
SPE 101◊ Principles of Effective Speaking	3
General education/Humanities & Fine Arts ¹	3
Applied Music elective	2
Ensemble elective	1
	17

Semester Four	Credit Hours
# MUS 180◊ Applied Music-Piano	1
# MUS 208◊ Theory of Music IV	3
# MUS 218◊ Sight-singing & Ear-training IV	1
General education/Physical Science	4
General education/Social & Behavioral Science ¹	3
Applied Music elective	2
Ensemble elective	1
	15

Ensemble electives: Choose from:

# MUS 250◊ Concert Band	1
# MUS 251◊ Community Concert Band I	0.5
# MUS 252◊ Community Concert Band II	0.5
# MUS 253◊ Ensemble	1
# MUS 261◊ College Chorus	1
# MUS 262◊ Choral Ensemble	1

# MUS 266◊ Jazz Band	1
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Applied Music electives: Choose from below courses and repeat four semesters.

# MUS 179◊ Applied Music-Instrumental	2
# MUS 180◊ Applied Music-Piano	2
# MUS 181◊ Applied Music-Voice	2

(Select courses that meet the BS requirements of your transfer college.)

General education requirements: AFA degree	32
Music courses or other electives for AFA degree	35

See MUS course descriptions and IAI codes on page 199.

NOTE: All program requirement courses require an earned grade of 'C' or higher, in order to pass onto the next course in the program sequence.

¹One Human Diversity course must be taken from either Social & Behavioral Science or Humanities & Fine Arts.

Chairperson: Dennis McNamara, Ext. 3597

Associate in General Studies Degree Requirements

Curriculum L224A24

The Associate in General Studies (AGS) degree is intended for students whose educational goals will not be adequately met by the other associate degree programs. The AGS is awarded in individualized curricula that has been agreed upon by the student and counselor.

Communications	6 semester hours
# RHT 101◊ Freshman Rhetoric and Composition I	
# RHT 102◊ Freshman Rhetoric and Composition II	

Note: Grade of "C" or better is an IAI requirement for RHT 101◊ and RHT 102◊.

Humanities	3 semester hours
Social Science	3 semester hours
Math/Science	3 semester hours
General education electives	9 semester hours

(To be selected from a combination of SPE 101◊; Social Science; Humanities; Mathematics; and/or Science course offerings)

(Select courses that meet the BS requirements of your transfer college.)

General education for AGS degree requirements	24
Total semester hours required for AGS degree	64

Students who wish to discuss pursuing the AGS degree must contact the counselor for the Associate in General Studies degree program. This contact should be made when the student first enrolls for classes or upon changing his/her educational goals.

The Associate in General Studies degree is not considered to be a transferable degree. The student should contact the Counseling department to determine the transferability of part or all the Associate in General Studies degree. The Counseling department may be contacted at (708) 456-0300, Ext. 3588.

Applied Science Programs



Applied Science Programs at Triton provide occupational preparation in a range of careers. The programs are designed to prepare students for direct or upgraded employment following Triton College graduation. In many cases, the areas of specialization are transferable to four-year colleges. The programs are listed alphabetically.

Courses offered in Applied Science are college-level and designed primarily for career preparation and in some cases transfer to particular colleges and universities in specific majors. Students should contact the institution to which they intend to transfer or consult with a Triton counselor or Triton's Transfer Center regarding the transferability of career-education courses.

Associate in Applied Science degrees, career certificates and advanced certificates are awarded for the successful completion of requirements.

Some programs, most notably those in Nursing and Allied Health, have special requirements for enrollment. Students must attend a scheduled information session and meet with the program coordinator to be considered for many of these programs. Please call (708) 456-0300, Ext. 3545, for dates and times.

A maximum of six semester hours of physical education activity courses (PED courses numbered 150 and below) may be selected as electives to fulfill graduation requirements.

College success courses may not be used to meet graduation requirements.

The Applied Science curricula follow with curriculum numbers related to degree, certificate and advanced certificate programs. Students must use these numbers when registering for classes. All degree programs qualify for the Associate in Applied Science degree.

Human Diversity Requirement

Illinois Public Act 87-581 requires that degree-seeking students meet this requirement. This can be accomplished by successful completion of all the required general education courses in the AAS Degree.

Notes for this section:

Prerequisites/Corequisites: See the course description section of this catalog to ensure course prerequisites or corequisites are met prior to enrolling in courses. Students may petition for waiver of course prerequisites/corequisites if they believe they have comparable experience or completed course work with similar content. Counselors can assist in this process.

◇ **See Articulated Courses** on page 39 for additional information.

Degree graduation requirements: In addition to fulfilling general education and program requirements, students must maintain a minimum grade-point average, meet public-law and residency requirements and complete proper filing procedures to graduate. For information, see degree graduation requirements in the "Degrees and Certificates" section of this catalog and the general education requirements for the Associate in Applied Science Degree at the beginning of the "Applied Science Programs" section. Also see your counselor for assistance.

Additional certificate requirements: In addition to fulfilling certificate program requirements, students must maintain a minimum grade-point average, meet residency requirements and complete proper filing procedures to receive their diplomas. For information, see certificate graduation requirements in the "Degrees and Certificates" section of this catalog. Also see your counselor for assistance.

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Associate in Applied Science Degree Requirements

The general education requirements for the Associate in Applied Science degree are listed below. The specific requirements for each career-education curriculum are listed on the pages that follow that section of the catalog.

Note: *Students may be required to enroll in COL 101 or COL 102 as a condition for admission or re-admission to certain programs at the college.*

Communications Semester hours
(six semester hours are required for graduation.)

The communications requirement varies by curriculum.

# RHT 101	<i>Freshman Rhetoric & Composition I</i>	3
	with	
# RHT 102	<i>Freshman Rhetoric and Composition II</i>	3
	or	
# RHT 101	<i>Freshman Rhetoric & Composition I</i>	3
	with	
SPE 101	<i>Principles of Effective Speaking</i>	3

Note: *Grade of "C" or better is an IAI requirement for RHT 101 and RHT 102.*

Social and Behavioral Sciences

(three semester hours are required for graduation)

Anthropology:

ANT 101	Introduction to Anthropology	3
ANT 103	Introduction to Cultural Anthropology	3
ANT 105	Introduction to Archaeology	3
ANT 150	Cultural Contexts	3

Education:

ECE 110	Early Childhood Development	3
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Economics:

ECO 102	Macroeconomics	3
ECO 103	Microeconomics	3
ECO 105	Consumer Economics	3

Geography:

GEO 104	Contemporary World Cultures	3
GEO 105	Economic Geography	3
GEO 106	Regional Geography of Africa and Asia	3

History:

HIS 151	History of the United States to 1877	3
HIS 152	History of the United States Since 1877	3
HIS 156	African History	3
HIS 192	History of Asia and the Pacific II	3

Political Science:

PSC 150	American National Politics	3
PSC 151	American State and Urban Politics	3
PSC 184	Global Politics	3

Psychology:

PSY 100	Introduction to Psychology	3
PSY 105	Applied Psychology	3

Sociology:

SOC 100	Introduction to Sociology	3
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Social Science:

SSC 190	Contemporary Society	3
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Humanities and Fine Arts

(one to three semester hours are required for graduation)

The humanities requirement varies by curriculum. Refer to the curriculum listings in this section of the catalog for specific requirements.

Architecture:

# ARC 210	Introduction to the History of Architecture	3
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Art:

ART 111	Ancient to Medieval Art	3
ART 112	Renaissance to Modern Art	3
ART 114	Survey of Asian Art	3

English:

# ENG 101	Introduction to Poetry	3
# ENG 102	Introduction to Drama	3
# ENG 103	Introduction to Fiction	3

Foreign Language:

(any ITL, SPN course) 2-4

History:

HIS 121	History of Western Civilization I	3
HIS 122	History of Western Civilization II	3
HIS 141	World History I	3
HIS 142	World History II	3

Humanities:

HUM 101	The Popular Arts	3
HUM 102	Mass Media and Culture	3
HUM 104	Humanities Through the Arts	3
HUM 120	Humanities: The Worker in America	1
HUM 124	Professional Ethics	1
HUM 125	The Individual and Technology	1
HUM 126	Modern Business Ethics	1
HUM 151	Great Books I	3
HUM 152	Great Books II	3
HUM 165	Introduction to the Latin-American Experience	3
HUM 296	Special Topics in Humanities	1-3

Music:

MUS 110	Listening to Music	3
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Philosophy:

PHL 101	Introduction to Philosophy	3
PHL 103	Ethics	3
PHL 105	World Religions	3
PHL 106	Biomedical Ethics	3

Speech:

SPE 130	Introduction to Theater	3
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Physical and Life Sciences and Mathematics

(three semester hours are required for graduation)

Review specific requirements for the curriculum selected.

Health and Fitness

(two semester hours are required for graduation)

# AHL 107◇	Venipuncture & I.V. Administration	1
AHL 108◇	Electrocardiography	1
AHL 200◇	Basic Nutrition and Health	1
# AHL 201◇	Introduction to Diet and Nutritional Therapies	1
HTH 104◇	Science of Personal Health	2
HTH 120◇	Principles of Nutrition	3
HTH 181◇	CPR Certification/Re-Certification	1
HTH 281◇	First Aid & CPR	2

Graduation Requirements:

Total semester hours required in general education toward the AAS degree	15-17
Total semester hours in program core courses and electives required toward the AAS degree	49-55
Total semester hours required toward the AAS degree	64-72

Accounting

Curriculum C206A

The Accounting curriculum includes the study of theory and practice for corporation accounting procedures, cost accounting, income tax procedures and the application of data processing to accounting problems.

Provides the minimum accounting requirements needed to enter the accounting profession as an accounting clerk or as an entry-level member of an accounting staff in many small to medium-sized businesses. The program also will enable the student to pursue an associate in applied science degree in accounting.

While the accounting curriculum is designed with the career student in mind, many of the courses contained in it will transfer to a four-year college.

Students successfully completing the associate in applied science degree program will have developed knowledge and skills in the following areas:

- Analyze and record the transactions of a business entity applying generally accepted accounting principles.
- Perform all of the steps of the complete accounting cycle.
- Understand theory and practical applications of various accounting systems, such as costing systems.
- Journalize the entries of a job order costing and process costing system.
- Compute the variances in an actual versus standard cost system.
- Analyze financial statements in comparative forms, common-size forms and trend percentages.
- Use financial ratios for various users.
-

Associate in Applied Science Degree

Semester One		Credit Hours
ACC 101◇	Financial Accounting	3
BUS 141◇	Introduction to Business	3
BUS 146◇	<i>Business Computations or College Algebra</i>	3-5
# MAT 110◇	<i>College Algebra</i>	3-5
BUS 107◇	<i>Microsoft Office in Business Applications or Introduction to Computer Science</i>	3
CIS 101◇	<i>Introduction to Computer Science</i>	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
		15-17

Semester Two		
# ACC 105◇	Managerial Accounting	3
# BUS 112◇	Principles of Finance	3
BUS 161◇	Business Law I	3
CIS 155◇	Microsoft Excel I	3
ECO 102◇	Macroeconomics	3
		15

Semester Three		
# ACC 151◇	Intermediate Accounting I	3
# ACC 157◇	Principles of Auditing	3
# ACC 166◇	Cost Accounting	3
# CIS 161◇	Microsoft Excel II	3
SPE 101◇	Principles of Effective Speaking	3
	General education/Humanities	3
		18

Semester Four		
# ACC 152◇	Intermediate Accounting II	3
# ACC 156◇	Tax Accounting	3
# BUS 149◇	<i>Elementary Statistics or Statistics for Business and Economics</i>	3
# ECO 170◇	<i>Statistics for Business and Economics</i>	3
HTH 104◇	<i>Science of Personal Health or First Aid & CPR</i>	2
HTH 281◇	<i>First Aid & CPR</i>	2
	Program electives	6
		17

Total credits required for graduation 65-67

See ACC course descriptions on page 147

See Humanities General Education requirements on page 86.

Note: ECO 102◇ meets the Social and Behavioral Sciences general education requirement.

Program electives (6): ACC 296◇; BUS 102, BUS 162◇, BUS 285, BUS 290◇, CIS 150◇; ECO 103◇

Coordinator: Dr. William M. Griffin, Ext. 3579

Accounting Certificate

Curriculum C306A

Provides the minimum accounting requirements to enter the profession. Students study accounting in proprietorship and learn corporate accounting procedures, as well as the application of data processing to accounting problems. Graduates of this certificate may receive job positions in accounts payable, accounts receivable, data entry, as a junior accountant, cost accounting and bookkeeping.

Semester One		Credit Hours
ACC 101◊	Financial Accounting	3
BUS 161◊	Business Law I	3
CIS 101◊	Introduction to Computer Science	3
	Electives	3
		12
Semester Two		
# ACC 105◊	Managerial Accounting	3
CIS 155◊	Microsoft Excel I	3
	Electives	2
		8
Semester Three		
# ACC 151◊	Intermediate Accounting I	3
# ACC 166◊	Cost Accounting	3
CIS 157◊	Microsoft Access I	3
		9
Total credits required		29

See ACC course descriptions on page 147

Suggested electives (6): ACC 152◊, ACC 156◊, ACC 157◊, ACC 296◊; BUS 162◊; BUS 106◊ or CIS 140◊

Coordinator: Dr. William M. Griffin, Ext. 3579

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C306A	ACCOUNTING CERTIFICATE	52 0302
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
13	4	30

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 3,253.00	\$ 1,299.00	\$ 4,551.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
3	29	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
132082	Tax Preparers	http://www.onetonline.org/link/summary/13-2082.00
433031	Bookkeeping, Accounting, and Auditing Clerks	http://www.onetonline.org/link/summary/43-3031.00
433051	Payroll and Timekeeping Clerks	http://www.onetonline.org/link/summary/43-3051.00
434011	Brokerage Clerks	http://www.onetonline.org/link/summary/43-4011.00
439111	Statistical Assistants	http://www.onetonline.org/link/summary/43-9111.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Architecture

Curriculum C248A

Architects are involved in all aspects of building design, including appearance, economy, function, structure, environmental planning, sustainability and responding to the needs of those who will use the building. They design, prepare drawings, build models, analyze costs, specify building materials and administer construction contracts. Architecture, as a profession, is a business, a science and an art. Triton College's architectural curriculum offers courses required in the first two years of a bachelor's degree program in architecture. Requirements for two years of the four-year programs at the three Illinois universities offering degrees in architecture (UIC, UIUC and SIUC) can be satisfied at Triton College. UIUC's minimum grade point average for transfer into their B.S. program in architectural studies is around 3.2 on a 4.0 scale. Some universities will also require a prospective transfer student to submit a portfolio of studio work to place the student in their design sequence, to determine the amount of credit to be awarded for architecture courses from Triton College and, in some cases, for admission to their architectural program. Architectural schools differ slightly in their requirements and students should work closely with Triton's architectural coordinator to determine specific transfer course requirements.

The goal of the Architecture program is to help students to develop critical thinking skills, develop creativity, be prepared for employment in entry-level positions, and develop excellent visual, graphic and verbal communication skills.

Having completed or taken courses in Architecture, students will be able to:

- Participate in student presentations and share opinions about their own and other students' projects
- Demonstrate self evaluation skills to faculty through reflective paper or oral presentation
- Analyze project requirements and apply to design solutions
- Create bubble diagrams for architecture projects
- Compose designs that follow principles of good design
- Sketch many possible solutions to a particular problem
- Distinguish quality in a design
- Complete a comprehensive portfolio of work in all courses taken at Triton College and have it accepted by a faculty jury
- Demonstrate proficiency in software programs used in professional practice
- Interpret owners' needs based on project requirements and budgetary limitations
- Present a sketchbook to faculty jury and have it accepted

- Complete short-term sketch problems
- Orally explain a drawing to faculty

Associate in Applied Science Degree

Semester One		Credit Hours
ARC 109◊	Architectural Drafting Fundamentals	2
ARC 187◊	Architectural Drawing and Models	3
ARC 189◊	Computer Graphics for Architecture I	3
HTH 104◊	<i>Science of Personal Health</i> or	
HTH 281◊	<i>First Aid & CPR</i>	2
# MAT 101◊	<i>Quantitative Literacy</i> ¹ or	
# MAT 102◊	<i>Liberal Arts Mathematics</i> ¹ or	
# MAT 110◊	<i>College Algebra</i> ¹ or	
# MAT 111◊	<i>Pre-Calculus</i> ¹ or	
# MAT 114◊	<i>Plane Trigonometry</i> ¹	3-5
# RHT 101◊	Freshman Rhetoric & Composition I ²	3
		16-18
Semester Two		
# ARC 110◊	Wood and Masonry Construction Technology	5
# ARC 171◊	Architectural Design I	3
# ARC 260◊	Computer Graphics for Architecture II	3
# ARC 210◊	Introduction to the History of Architecture ³	3
# RHT 102◊	<i>Freshman Rhetoric & Composition II</i> ² or	
SPE 101◊	<i>Principles of Effective Speaking</i> ²	3
		17
Semester Three		
# ARC 120◊	Steel Construction Technology	5
# ARC 130◊	Concrete Construction Technology	5
# ARC 172◊	Architectural Design II	5
ARC 261◊	Revit	3
		18
Semester Four		
# ARC 140◊	MEP Construction Technology	5
ARC 146◊	Construction Contract Documents	3
ARC 258◊	Construction Cost Estimating	3
ARC 292◊	Site Design and Construction	3
	General education/Social and Behavioral Sciences	3
		17
Total credits required for graduation		68-70

See ARC course descriptions on page 150.

See Humanities General Education requirements on page 86.

¹MAT 101◊, MAT 102◊, MAT 110◊, MAT 111◊ or MAT 114◊ meets the Science and Mathematics general education requirement. Students intending to transfer to UIC, UIUC or SIUC must also take MAT 131◊ and PHY 101◊.

²Students intending to transfer are encouraged to complete all three courses: RHT 101◊, RHT 102◊ and SPE 101◊ to meet university requirements.

³ARC 210◊ meets the Humanities/Fine Arts requirement.

Coordinator: Jo Beth Halpin, Ext. 3601

Architecture Certificate

Curriculum C448T

The Architecture certificate is designed for students who wish to concentrate solely on technically-related courses. Graduates are prepared for entry-level positions with architecture, interior design or construction companies.

Semester One		Credit Hours
# ARC 110◊	Wood and Masonry Construction Technology	5
# ARC 120◊	Steel Construction Technology	5
ARC 189◊	Computer Graphics for Architecture I	3
		13
Semester Two		
# ARC 130◊	Concrete Construction Technology	5
# ARC 140◊	MEP Construction Technology	5
ARC 258◊	Construction Cost Estimating	3
ARC 261◊	Revit	3
		16
Total credits required		29

See ARC course descriptions on page 150.

Coordinator: Jo Beth Halpin, Ext. 3601

Building Information Modeling

Curriculum C248X

Graduates of this program can qualify for jobs in architectural firms; construction management firms or facility management firms for building operations; perform duties such as computer-aided design and drafting for building design and construction, Building Information Modeling, computer-aided perspective rendering, CADD or BIM manager; install, maintain and keep up-to-date with the software and hardware used for Building Information Modeling and CADD operations, organize a Building Information Modeling team, manage an application service provider, execute electronic transfer of design and Building Information Modeling files between members of the building project team, teach others on the team how to use the specialty programs and produce instructional manuals and standards for the firm.

The goal of the Building Information Modeling program is to help students develop critical thinking skills, develop creativity, be prepared for employment in entry-level positions and develop excellent visual, graphic and verbal communication skills.

After successful completion of this program, the graduate will be able to:

- Demonstrate skills in using Revit for producing architectural drawings.
- Explain and show how to create "families" in Revit.
- Create production drawings for architectural projects.
- Demonstrate how to produce design options in Revit.

- Demonstrate how to show existing and demolished work in drawings using Revit.
- Explain how to create and use worksets to work in a collaborative way with other users of Revit.
- Demonstrate how to assign materials, lighting and create a rendering using Revit.
- Explain how to install Revit within a firm.
- Explain how to teach the use of Revit within a firm.
- Demonstrate self-evaluation skills to faculty through reflective paper or oral presentation.
- Complete a comprehensive portfolio of work in all courses taken at Triton College and have it accepted by a faculty jury.
- Complete short-term projects within a stipulated time period.
- Orally explain a drawing to faculty.

Associate in Applied Science Degree

Semester One		Credit Hours
	ARC 109◊ Architectural Drafting Fundamentals	2
#	ARC 110◊ Wood and Masonry Construction Technology	5
	ARC 189◊ Computer Graphics for Architecture I	3
	ARC 261◊ Revit	3
#	RHT 101◊ Freshman Rhetoric & Composition I ²	3
		<hr/>
		16
Semester Two		
#	ARC 120◊ Steel Construction Technology	5
#	ARC 260◊ Computer Graphics for Architecture II	3
	ARC 262◊ Revit Production	3
#	MAT 101◊ <i>Quantitative Literacy</i> ¹ or	
#	MAT 102◊ <i>Liberal Arts Mathematics</i> ¹ or	
#	MAT 110◊ <i>College Algebra</i> ¹ or	
#	MAT 111◊ <i>Pre-Calculus</i> ¹	3-5
#	RHT 102◊ <i>Freshman Rhetoric & Composition II</i> ² or	
	SPE 101◊ <i>Principles of Effective Speaking</i> ²	3
		<hr/>
		17-19
Semester Three		
#	ARC 130◊ Concrete Construction Technology	5
#	ARC 210◊ Introduction to the History of Architecture ³	3
	ARC 263◊ Revit Management	3
	ARC 292◊ Site Design and Construction	3
	CIS 174◊ LAN Administration Windows Client	3
		<hr/>
		17
Semester Four		
#	ARC 140◊ MEP Construction Technology	5
	ARC 258◊ Construction Cost Estimating	3
	CIS 176◊ LAN Administration Windows Server	3
	HTH 104◊ <i>Science of Personal Health</i> or	
	HTH 281◊ <i>First Aid & CPR</i>	2
	General education/Social and Behavioral Science	3
		<hr/>
		16
Total credits required for graduation		66-68

See ARC course descriptions on page 150. See Humanities

General Education requirements on page 86. See Social & Behavioral Sciences General Education requirements on page 86.

¹MAT 101◊, MAT 102◊, MAT 110◊, or MAT 111◊ meets the Science and Mathematics general education requirement.

²Students intending to transfer are encouraged to complete all three courses: RHT 101◊, RHT 102◊ and SPE 101◊ to meet university requirements.

³ARC 210◊ meets the Humanities/Fine Arts requirement.

Coordinator: Jo Beth Halpin, Ext. 3601

Building Information Modeling Certificate

Curriculum C448M

Building Information Modeling (BIM) is a specialty activity in architectural, construction management or facility management firms, in which the BIM modeler creates a three-dimensional electronic model of a proposed or existing building containing all the geometry, quantity and material information for the building. This certificate allows a student to concentrate on courses to prepare for jobs in this occupation.

Semester One		Credit Hours
	ARC 109◊ Architectural Drafting Fundamentals	2
#	ARC 110◊ Wood and Masonry Construction Technology	5
	ARC 189◊ Computer Graphics for Architecture I	3
	COT 101◊ Introduction to Architecture, Engineering and Construction	1
		<hr/>
		11
Semester Two		
#	ARC 260◊ Computer Graphics for Architecture II	3
	ARC 261◊ Revit	3
	ARC 262◊ Revit Production	3
	ARC 263◊ Revit Management	3
		<hr/>
		12
Total credits required		23

See ARC course descriptions on page 150.

Coordinator: Jo Beth Halpin, Ext. 3601

Automotive: General Motors/AC Delco

Curriculum C247C

The General Motors Automotive Service Educational Program (ASEP) and AC Delco Total Service Support (TSS) program is a cooperative agreement between Triton College, General Motors and AC Delco*, which alternates college training and practical experience at a GM dealership or AC Delco TSS independent repair facility. Students are prepared in all areas of product servicing.

Prospective students must contact the General Motors ASEP coordinator at Ext. 3454 to apply. Application information can be downloaded at www.Triton.edu. Hand tools are required both at the dealership and at Triton.

*GM sponsorship is required at a Chevrolet, Buick, GMC, Cadillac or AC Delco TSS repair facility.

Associate in Applied Science Degree

Semester One (Fall)		Credit Hours
AUT 112	Introduction to Automotive Technology	3
AUT 114	Fuel Management Systems	4
AUT 127	Automotive Electricity & Electronics I	4
# AUT 296	Automotive Internship I	2
HTH 281	First Aid & CPR	2
# MAT 122	Technical Mathematics ¹	3
		18
Semester Two (Spring)		Credit Hours
# AUT 129	Automotive Electricity & Electronics II	3
# AUT 136	Brake, Hardware & Chassis Repair	4
# AUT 150	Automotive Power Plants	5
# AUT 297	Automotive Internship II	2
	Humanities (HUM 120-HUM 126)	1
		15
Semester Three (Summer)		Credit Hours
# AUT 280	Automotive Heating & Air Conditioning Fundamentals	2
# AUT 282	Advanced Automotive Heating & Air Conditioning	2
		4
Semester Four (Fall)		Credit Hours
# AUT 226	Engine Performance & Diagnosis	5
# AUT 275	Transmissions and Drive Systems	5
# AUT 298	Automotive Internship III	1
# RHT 101	Freshman Rhetoric & Composition I ²	3
HIS 151	<i>History of the U.S. to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
		17

Semester Five (Spring)

# AUT 230	Computerized Engine Controls	5
# AUT 240	Steering, Suspension & Alignment	4
# AUT 277	Advanced Automatic Transmission Repair	5
# AUT 299	Automotive Internship IV	1
# RHT 102	<i>Freshman Rhetoric & Composition II</i> or	
SPE 101	<i>Principles of Effective Speaking</i> ²	3
		18
Total credits required for graduation		72

See AUT course descriptions on page 153.

See Humanities General Education requirements on page 86.

¹MAT 122 meets the Mathematics and Science general education requirement.

²Students must complete RHT 101 with SPE 101, or RHT 101 with RHT 102. Students intending to transfer are encouraged to complete all three courses: RHT 101, RHT 102 and SPE 101 to meet university requirements.

Coordinator: TBA, ASEP, Ext. 3454

Automotive Service Department Management

Curriculum C247E

The Automotive Service Department Management program blends technical and management courses to prepare students to enter the automotive service management field.

Associate of Applied Science Degree

Semester One		Credit Hours
AUT 112	Introduction to Automotive Technology	3
AUT 127	Automotive Electricity & Electronics I	4
BUS 146	Business Computations ¹	3
# RHT 101	Freshman Rhetoric & Composition I ³	3
	General education/Humanities Electives ⁴	1
		17
Semester Two		Credit Hours
# AUT 136	Brake, Hardware & Chassis Repair	4
# AUT 150	Automotive Power Plants	5
BUS 154	Human Relations in Labor & Management	3
# RHT 102	<i>Freshman Rhetoric & Composition II</i> or	
SPE 101	<i>Principles of Effective Speaking</i> ³	3
		15

Semester Three

# AUT 240	Steering, Suspension & Alignment	4
# AUT 275	Transmission & Drive Systems	5
# AUT 280	Automotive Heating & Air Conditioning Fundamentals	2
BUS 150	Principles of Management	3
HIS 151	<i>History of the United States to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
		<hr/> 17

Semester Four

# AUT 226	Engine Performance & Diagnosis	5
BUS 151	Small-Business Management	3
CIS 101	Introduction to Computer Science ²	3
HTH 104	<i>Science of Personal Health</i> or	
HTH 281	<i>First Aid & CPR</i>	2
	Electives ⁴	0-3
		<hr/> 13-16
	Total credits required for graduation	65

See AUT course descriptions on page 153.

See Humanities General Education requirements on page 86.

Note: Hand tools are required for AUT courses that include lab time.

¹BUS 146 meets the Mathematics and/or Science general education requirement.

²CIS 101 meets the computer literacy general education requirement.³If RHT 101 & RHT 102 are taken, students also must take SPE 101.

⁴The number of required elective credits is determined by the general education and/or other program options completed.

Coordinator: TBA, Ext. 3454

Automotive Technology

Curriculum C247D

The Automotive Technology degree curriculum provides the student with a working knowledge of automotive repair on today's high-tech, computerized automobile.

Upon completion of the program, the graduate will be able to seek employment as an auto repair technician in a dealership or the aftermarket and can move into advanced automotive opportunities, such as service advising and manufacturer corporate positions. This program is National Automotive Technician Education Foundation (NATEF) division of Automotive Service Excellence (ASE) certified.

Associate in Applied Science Degree

Semester One		Credit Hours
AUT 112	Introduction to Automotive Technology	3
AUT 114	Fuel Management Systems	4
AUT 127	Automotive Electricity & Electronics I	4
# MAT 122	Technical Mathematics ²	3
# RHT 101	Freshman Rhetoric & Composition I ¹	3
		<hr/> 17

Semester Two

# AUT 129	Automotive Electricity & Electronics II	3
# AUT 136	Brake, Hardware & Chassis Repair	4
# AUT 150	Automotive Power Plants	5
# RHT 102	<i>Freshman Rhetoric & Composition II</i> or	
SPE 101	<i>Principles of Effective Speaking</i> ¹	3
	General education/Humanities	1
		<hr/> 16

Semester Three

# AUT 280	Automotive Heating & Air Conditioning Fundamentals	2
# AUT 282	Advanced Automotive Heating & Air Conditioning	2
		<hr/> 4

Semester Four

# AUT 226	Engine Performance & Diagnosis	5
# AUT 240	Steering, Suspension & Alignment	4
# AUT 275	Transmission & Drive Systems	5
HTH 104	<i>Science of Personal Health</i> or	
HTH 281	<i>First Aid & CPR</i>	2
		<hr/> 16

Semester Five

# AUT 230	Computerized Engine Controls	5
# AUT 277	Advanced Automatic Transmission Repair	5
HIS 151	<i>History of the U.S. to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
		<hr/> 13

Total credits required for graduation 66

See AUT course descriptions on page 153.

See Humanities General Education requirements on page 86.

Note: Hand tools are required for AUT courses that include lab time.

¹Students must complete RHT 101 with SPE 101, or RHT 101 with RHT 102. Students intending to transfer are encouraged to complete all three courses: RHT 101, RHT 102 and SPE 101 to meet university requirements.

²MAT 122 meets the Mathematics and/or Science general education requirement.

Coordinator: TBA, Ext. 3454

Automotive Technology Certificate

Curriculum C347C

The Automotive Technology certificate curriculum is designed for learners who wish to concentrate solely on technically-related courses in the repair of today's high-tech computerized automobile.

Upon completion of the program, the certificate holder will be able to seek employment as an automobile repair technician in a dealership or the aftermarket and can move into advanced automotive opportunities, such as service advising and manufacturer corporate positions.

Program is a National Automotive Technician Education Foundation (NATEF) division of Automotive Service Excellence (ASE) certified.

Semester One		Credit Hours
AUT 112	Introduction to Automotive Technology	3
AUT 114	Fuel Management Systems	4
AUT 127	Automotive Electricity & Electronics I	4
# AUT 136	Brake, Hardware & Chassis Repair	4
		15
Semester Two		
# AUT 129	Automotive Electricity & Electronics II	3
# AUT 150	Automotive Power Plants	5
# AUT 226	Engine Performance & Diagnosis	5
# AUT 275	Transmission & Drive Systems	5
		18
Semester Three		
# AUT 280	Automotive Heating & Air Conditioning Fundamentals	2
# AUT 282	Advanced Automotive Heating & Air Conditioning	2
		4
Semester Four		
# AUT 230	Computerized Engine Controls	5
# AUT 240	Steering, Suspension & Alignment	4
# AUT 277	Advanced Automatic Transmission Repair	5
		14
Total credits required		51

See AUT course descriptions on page 153.

Coordinator: TBA, Ext. 3454

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C347C	AUTOMOTIVE TECHNOLOGY CERTIFICATE	47 0604
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
4	1	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 4,697.00	\$ 1,876.00	\$ 6,573.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
4	51	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	http://www.onetonline.org/link/summary/49-2093.00
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	http://www.onetonline.org/link/summary/49-2096.00
493023	Automotive Service Technicians and Mechanics	http://www.onetonline.org/link/summary/49-3023.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Automotive Brake and Suspension Certificate

Curriculum C447B

The Brake and Suspension certificate is designed to provide the student with skills necessary for entry-level employment at a brake and suspension repair facility.

Program does not include all of the high-tech courses necessary for today's master technician.

Instruction includes complete brake system servicing, use of lathes for disc and drum machining, asbestos safety control, front-end alignment, active suspension and steering system diagnosis and repair.

Semester One		Credit Hours
AUT 112	Introduction to Automotive Technology	3
AUT 114	Fuel Management Systems	4
AUT 127	Automotive Electricity & Electronics I	4
		11
Semester Two		
# AUT 136	Brake, Hardware & Chassis Repair	4
# AUT 240	Steering, Suspension & Alignment	4
# AUT 280	Automotive Heating & Air Conditioning Fundamentals	2
		10
Total semester credits		21

See AUT course descriptions on page 153.

Coordinator: TBA, Ext. 3454

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C447B	AUTOMOTIVE BRAKE & SUSPENSION CERTIFICATE	47 0604
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
3	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,168.00	\$ 866.00	\$ 3,034.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	21	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	http://www.onetonline.org/link/summary/49-2093.00
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	http://www.onetonline.org/link/summary/49-2096.00
493023	Automotive Service Technicians and Mechanics	http://www.onetonline.org/link/summary/49-3023.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Automotive Engine Performance Certificate

Curriculum C447C

The Engine Performance certificate program is designed to provide the student skills to seek entry-level employment as an engine performance technician.

This program does not include all of the high-tech courses necessary for today's master technician.

Instruction includes complete fuel system diagnosis, repair and adjustment, battery, starting, charging and ignition system testing, scope/engine analyzer usage both analog and digital, and computerized engine control systems.

Semester One	Credit Hours
AUT 112◊ Introduction to Automotive Technology	3
AUT 114◊ Fuel Management Systems	4
AUT 127◊ Automotive Electricity & Electronics I	4
	11

Semester Two	Credit Hours
# AUT 129◊ Automotive Electricity & Electronics II	3
# AUT 226◊ Engine Performance & Diagnosis	5
	8

Semester Three

# AUT 230◊ Computerized Engine Controls	5
	5
Total credits required	24

See AUT course descriptions on page 153.

Coordinator: TBA, Ext. 3454

Automotive Engine Repair Certificate

Curriculum C447D

The Engine Repair certificate program is designed to provide the student with skills necessary for entry-level employment at an engine repair facility.

This program does not include all of the high-tech courses necessary for today's master technician.

Instruction includes: engine/power plant diagnosis and overhaul stressing field repair techniques such as valve and seat refinishing, guide repair, magna fluxing, block, piston and rod service; bottom-end and engine front-end service plus basic fuel and engine electrical systems.

Semester One	Credit Hours
AUT 112◊ Introduction to Automotive Technology	3
AUT 114◊ Fuel Management Systems	4
	7

Semester Two

AUT 127◊ Automotive Electricity & Electronics I	4
# AUT 150◊ Automotive Power Plants	5
	9
Total credits required	16

See AUT course descriptions on page 153.

Coordinator: TBA, Ext. 3454

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C447D	AUTOMOTIVE ENGINE REPAIR CERTIFICATE	47 0604
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,807.00	\$ 722.00	\$ 2,529.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	16	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	http://www.onetonline.org/link/summary/49-2093.00

492096	Electronic Equipment Installers and Repairers, Motor Vehicles	http://www.onetonline.org/link/summary/49-2096.00
493023	Automotive Service Technicians and Mechanics	http://www.onetonline.org/link/summary/49-3023.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Automotive Transmission Certificate

Curriculum C447E

The Transmission certificate program is designed to provide the student with skills necessary to seek entry-level employment at a transmission repair facility.

This program does not include all of the high-tech courses necessary for today's master technician.

Instruction includes electricity and electronics for electrical applications to the transmission, complete brake system servicing, use of lathes for disc and drum-machining, asbestos safety control, transmission removal, overhaul and replacement, clutch replacement, universal joints, driveshafts, differential diagnosis and repair, and torque converter clutch systems.

Semester One		Credit Hours
AUT 112◇	Introduction to Automotive Technology	3
AUT 127◇	Automotive Electricity & Electronics I	4
		7
Semester Two		
# AUT 136◇	Brake, Hardware & Chassis Repair	4
# AUT 275◇	Transmission & Drive Systems ¹	5
		9
Semester Three		
# AUT 277◇	Advanced Automatic Transmission Repair	5
		5
Total credits required		21

See AUT course descriptions on page 153.

¹AUT 275◇ can be taken concurrently with AUT 136◇.

Coordinator: TBA, Ext. 3454

Business Management

Curriculum C206B

The Business Management curriculum provides students with employment or advancement in business, industry, government or service organizations. The curriculum is intended to serve the needs of students who want to enter management positions and to enable those already in management to upgrade their skills and potential for growth. Skills are developed in communication, management of personnel, accounting, customer service and technology.

In addition, a certificate program in Business Management is available for those students who prefer a selection of business courses but do not wish to enter a degree program at this time.

Upon successful completion of the Business Management program, the graduate will be able to:

- Demonstrate knowledge of the business environment from an ethical, economic and global perspective.
- Articulate an awareness of current legal, ethical, social, financial, technical and economic environmental factors, as they apply to business.
- Prepare and present effective written and oral business-related reports.
- Effectively communicate and interact with others.
- Use appropriate technology and other resources to research, analyze and integrate data to solve business problems.
- List successful marketing mix strategies as they relate to the business environment.
- Apply management functions both departmentally and to the organization as a whole
- Assess and develop individual communication, leadership and team-building styles.
- Recognize and adapt to the communication, leadership and team-building styles of others.

Associate in Applied Science Degree

Semester One		Credit Hours
ACC 100◇	Basic Accounting I ¹ or	
ACC 101◇	Financial Accounting ¹	3
BUS 107◇	Microsoft Office in Business Applications	
or		
CIS 101◇	Introduction to Computer Science	3
BUS 141◇	Introduction to Business	3
BUS 146◇	Business Computations ²	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
		15

Semester Two

# ACC 103◇	Basic Accounting II ¹ or	
# ACC 105◇	Managerial Accounting ¹	3
BUS 150◇	Principles of Management	3
BUS 154◇	Human Relations in Labor & Management	3
BUS 171◇	Introduction to Customer Service	3
# RHT 102◇	Freshman Rhetoric & Composition II	3
		3

Semester Three

BUS 161◇	Business Law I	3
# BUS 172◇	Problem Solving in Customer Service	3
# BUS 188◇	Business Writing	3
HTH 104◇	<i>Science of Personal Health</i> or	
HTH 281◇	<i>First Aid & CPR</i>	2
HUM 126◇	Modern Business Ethics	1
	Program electives	5
		<hr/> 17

Semester Four

BUS 127◇	Principles of Marketing	3
# BUS 285	Project Management	3
ECO 102◇	<i>Macroeconomics</i> or	
ECO 105◇	<i>Consumer Economics</i>	3
SPE 101◇	Principles of Effective Speaking	3
	Program electives	5
		<hr/> 17
	Total credits required for graduation	64

See BUS course descriptions on page 158.

Note: ACC 101◇ is a prerequisite for ACC 105◇. ACC 100◇ and ACC 103◇ are not transferable to all universities.

Program electives (10): Any ACC, BUS, or CIS course

¹ACC 100◇ or ACC 101◇, ACC 103◇ or ACC 105◇ meets the Mathematics and/or Science general education requirement.

²BUS 146◇ meets the Mathematics and/or Science general education requirement.

Coordinator: Dr. William M. Griffin, Ext. 3579

Business Management Certificate

Curriculum C306B

The Business Management certificate program serves students who may already be employed, but who desire to upgrade themselves at their present place of employment. The program also provides a broad base of business courses for individuals wishing to acquire entry-level skills.

Upon successful completion of the Business Management certificate program, the graduate will be able to:

- Coordinate the activities of a business in accordance with organizational policies.
- Prepare and present effective written and oral business-related reports.
- Work effectively as a member of a team.
- Demonstrate knowledge of the management functions and skills within an organization system as they interact in a dynamic and diverse global environment.
- Use appropriate technology as it relates to a business environment.

Semester One		Credit Hours
BUS 141◇	Introduction to Business	3
BUS 146◇	Business Computations	3
BUS 154◇	Human Relations in Labor & Management	3
BUS 171◇	Introduction to Customer Service	3
CIS 101◇	<i>Introduction to Computer Science</i> or	
BUS 107◇	<i>Microsoft Office in Business Applications</i>	3
		<hr/> 15

Semester Two

# BUS 122◇	Business English	3
BUS 127◇	Principles of Marketing	3
BUS 150◇	Principles of Management	3
# BUS 285	Project Management	3
	Program electives	3
		<hr/> 15
	Total credits required	30

See BUS course descriptions on page 158.

Program electives (3): Any ACC, BUS or CIS course

Coordinator: Dr. William M. Griffin, Ext. 3579

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C306B	BUSINESS MANAGEMENT CERTIFICATE	52 0201
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
2	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
111011	Chief Executives	http://www.onetonline.org/link/summary/11-1011.00
111021	General and Operations Managers	http://www.onetonline.org/link/summary/11-1021.00
112022	Sales Managers	http://www.onetonline.org/link/summary/11-2022.00
113011	Administrative Services Managers	http://www.onetonline.org/link/summary/11-3011.00
113051	Industrial Production Managers	http://www.onetonline.org/link/summary/11-3051.00
113071	Transportation, Storage, and Distribution Managers	http://www.onetonline.org/link/summary/11-3071.00
119021	Construction Managers	http://www.onetonline.org/link/summary/11-9021.00
119151	Social and Community Service Managers	http://www.onetonline.org/link/summary/11-9151.00
119199	Managers, All Other	http://www.onetonline.org/link/summary/11-9199.00
131051	Cost Estimators	http://www.onetonline.org/link/summary/13-1051.00
131111	Management Analysts	http://www.onetonline.org/link/summary/13-1111.00
251011	Business Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1011.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Entrepreneurship Certificate

Curriculum C406D

The Entrepreneurship Program prepares learners to competently start their own small business. For persons who currently own a small business, the program provides specific skills and knowledge necessary to increase sales and profits, and improve overall operation efficiency.

Semester One	Credit Hours
BUS 127◊ Principles of Marketing ¹	3
BUS 136◊ Entrepreneurship I	3
BUS 141◊ Introduction to Business ¹	3
BUS 150◊ Principles of Management	3
VIC 100◊ Graphic Design	3
	15
Semester Two	
BUS 102◊ Small Business Accounting	3
BUS 128◊ Sales Force Management	3
# BUS 137◊ Entrepreneurship II	3
BUS 275◊ Principles of Advertising	3
VIC 172◊ Web Page Design	3
	15
Total credits required	30

See BUS course descriptions on page 158; VIC course descriptions on page 218

¹On-line classes available

Coordinator: Dr. William M. Griffin, Ext. 3579

Business Support Specialist Certificate

Curriculum C307D

Students interested in pursuing executive assistant positions in business today can pursue this certificate. Students will learn the skills and knowledge in computer software applications, accounting principles, records management and customer service, which is required in today's high-tech business environment. A grade of "C" in BUS 104◊ (40 wpm, with five errors or fewer, on five-minute timing) is required for graduation.

Semester One	Credit Hours
ACC 100◊ <i>Basic Accounting I</i> or	
ACC 101◊ <i>Financial Accounting</i> or	
# BUS 146◊ <i>Business Computations</i>	3
BUS 103◊ Keyboarding Technique ^{1*}	1
# BUS 122◊ Business English	3
BUS 171◊ Introduction to Customer Service	3
CIS 119◊ Windows	1
CIS 140◊ Microsoft Word I	3
CIS 144◊ Microsoft PowerPoint	3
	17

Semester Two

# BUS 104◊	Keyboarding Speed & Accuracy	1
BUS 107◊	Microsoft Office in Business Applications	3
BUS 125◊	Formatting/Proofreading Business Documents	3
BUS 267◊	Records Management	2
CIS 142◊	Microsoft Word II	3
# CIS 158◊	Introduction to the World Wide Web	1
		13
Total credits required		30

See BUS course descriptions on page 158.

¹Any student who can type 25 words per minute on a three-minute timing, with five errors or fewer, using proper touch-typing technique, may take a proficiency test for BUS 103◊.

*Students completing the BUS 103◊ proficiency requirement in the first semester may take BUS 104◊ in the first semester instead of the second semester.

Coordinator: Dr. William M. Griffin, Ext. 3579

Counselor: Dr. Magalene Sudduth, Ext. 3654

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C307D	BUSINESS SUPPORT SPECIALIST	52 0401
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
0	NA	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
436011	Executive Secretaries and Executive Administrative Assistants	http://www.onetonline.org/link/summary/43-6011.00
436014	Secretaries and Administrative Assistants, Except Legal, Medical and Executive	http://www.onetonline.org/link/summary/43-6014.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Medical Administrative Assistant Certificate

Curriculum C407K

Students that pursue this certificate program will be prepared to begin entry-level careers as a member of the health care team. Students receive the specialized training through the completion of courses in the creation and maintenance of Medical Records, Medical Terminology, Medical Machine Transcription, Medical Coding for out-patient health care, office procedures and computer applications software skills. A grade of "C" or better in BUS 104 (40 wpm with five errors or fewer, on five-minute timing) is required for graduation.

Semester One		Credit Hours
AHL 102	Ethics and Law for the Allied Health	1
AHL 120	Comprehensive Medical Terminology	3
BUS 103	Keyboarding Technique ^{1*}	1
# BUS 122	Business English	3
CIS 119	Windows	1
CIS 140	Microsoft Word I	3
		12
Semester Two		Credit Hours
AHL 110	Medical Coding and Office Procedures	2
# BUS 104	Keyboarding Speed and Accuracy ¹	1
BUS 107	Microsoft Office in Business Applications	3
# BUS 265	Medical Transcription	2
BUS 267	Records Management	2
CIS 142	Microsoft Word II	3
		13
Total credits required		25

See BUS course descriptions on page 158.

¹Any student who can type 25 words per minute, on a three-minute timing, with five errors or fewer, using proper touch-typing technique may take a proficiency test for BUS 103.

*Students completing the BUS 103 proficiency requirement in the first semester, may take BUS 104 in the first semester, instead of the second semester.

Coordinator: Dr. William M. Griffin, Ext. 3579

Counselor: Dr. Magalene Sudduth, Ext. 3654

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407K	MEDICAL ADMINISTRATIVE ASSISTANT CERTIFICATE	51 0707
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
8	2	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	25	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
292071	Medical Records and Health Information Technicians	http://www.onetonline.org/link/summary/29-2071.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Office Assistant Certificate

Curriculum C407D

Students that pursue this certificate program will be prepared to begin entry-level office positions. Students learn the skills and knowledge in office procedure and word processing, customer service and records management.

Semester One		Credit Hours
BUS 103	Keyboarding Technique ^{1*}	1
# BUS 122	Business English	3
CIS 119	Windows	1
CIS 140	Microsoft Word I	3
		8
Semester Two		Credit Hours
# BUS 104	Keyboarding Speed and Accuracy ¹	1
BUS 125	Formatting/Proofreading Business Documents	3
BUS 267	Records Management	2
HUM 126	Modern Business Ethics	1
		7
Total credits required		15

See BUS course descriptions on page 158.

¹Any student who can type 25 words per minute, on a three-minute timing, with five errors or fewer, using proper touch-typing technique may take a proficiency test for BUS 103.

*Students completing the BUS 103 proficiency requirement in the first semester, may take BUS 104 in the first semester, instead of the second semester.

Coordinator: Dr. William M. Griffin, Ext. 3579

Counselor: Dr. Magalene Sudduth, Ext. 3654

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407D	OFFICE ASSISTANT CERTIFICATE	42 0401
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
2	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,146.00	\$ 578.00	\$ 2,024.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	15	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
436011	Executive Secretaries and Executive Administrative Assistants	http://www.onetonline.org/link/summary/43-6011.00
436014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	http://www.onetonline.org/link/summary/43-6014.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

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Computer Information Systems

Curriculum C207A

The Computer Information Systems concentrations are designed to provide students with the skills necessary to obtain a position in the specialties of E-commerce, database design, game development and programming, and Linux system management. Graduates of the program will be able to:

- Demonstrate a basic understanding of computer hardware and software.
- Demonstrate basic level of competency in programming and logic skills.
- Utilize web technologies.
- Use productivity software effectively (word processing, spreadsheets and database software).
- Identify an area of interest through the selection of elective courses.
- Apply the skills that are the focus of this program to business scenarios.
- Work effectively in teams.
- Present conclusions effectively, orally and in writing.

Associate in Applied Science Degree

Semester One		Credit Hours
	ACC 101◊ Financial Accounting	3
	CIS 101◊ Introduction to Computer Science	3
#	CIS 121◊ Introduction to Programming	3
	CIS 174◊ <i>LAN Administration: Windows Client or</i>	
	CIS 177◊ <i>Introduction to Linux</i>	3
#	RHT 101◊ Freshman Rhetoric & Composition I	3
		15

Semester Two

#	ACC 105◊ Managerial Accounting	3
#	CIS 150◊ Computer Systems Applications	3
#	CIS 310◊ Data Communications and Networking Fundamentals	3
	Selections from concentration	9
		18

Semester Three

#	CIS 125◊ Discrete Mathematics for Computing ¹	4
#	CIS 276◊ <i>Operating Systems Introduction or</i>	
#	CIS 277◊ <i>Windows Command Processing</i>	3
	SPE 101◊ Principles of Effective Speaking	3
	Selections from concentration	6
		16

Semester Four

	HTH 104◊ <i>Science of Personal Health or</i>	
	HTH 281◊ <i>First Aid & CPR</i>	2
	HIS 151◊ <i>History of the U.S. to 1877 or</i>	
	PSC 150◊ <i>American National Politics or</i>	
	SSC 190◊ <i>Contemporary Society</i>	3
	General education/Humanities	1
	Selections from concentration	9
		15

Total credits required for graduation **64**

Choose from *one* of the following concentrations:

Database Design Concentration

Take:		
#	CIS 257◊ Access Programming	3
#	CIS 262◊ Oracle DBMS Development	3
#	CIS 267◊ Advanced Access Programming	3
#	CIS 275◊ Project Management for Small-Business Systems	3
#	CIS 278◊ Database Management Systems	3
#	CIS 280◊ Business Systems Analysis and Design	3
	CIS 299 Special Topics in Computer Information Systems	3
	Choose three hours from any concentration	3
		24

E-Commerce Concentration

	CIS 189◊ Internet Foundations	3
#	CIS 190◊ Web Site Development	3
#	CIS 192◊ Server-side Programming	3
#	CIS 196◊ E-Commerce	3
#	CIS 220◊ Introduction to Network Security	3
#	CIS 280◊ Business-Systems Analysis	3
	VIC 100◊ Graphic Design	3
	VIC 172◊ Web Page Design	3
		24

Game and Program Development Concentration

# CIS 250	Visual BASIC Programming	3
# CIS 253	Advanced Visual Basic Programming	3
# CIS 255	C++ Programming	3
# CIS 263	Java Programming	3
# CIS 264	C# Programming	3
# CIS 295	Data Structures with C++	3
CIS 299	Special Topics in Computer Information Systems	3
	Choose three hours from any concentration	3
		24

Linux Professional Concentration

CIS 177	Introduction to Linux	3
# CIS 179	Linux System Administration	3
	Choose eighteen hours from any concentration	18
		24

See CIS course descriptions on page 163.

See Humanities General Education requirements on page 86.

*CIS 125 meets the Mathematics and/or Science general education requirement.

Coordinator: Mike McGuire, Ext. 3716

Computer Applications Certificate

Curriculum C407P

The Computer Applications Certificate is intended for persons preparing for positions using Microsoft Office programs. Graduates will be able to:

- Create, edit, format and print Microsoft Word documents
- Create, edit, format and print Microsoft Excel worksheets.
- Create and edit Microsoft Access databases, create queries, and create, edit and print reports.
- Create, edit and use Microsoft PowerPoint presentations.
- Integrate elements of each Office application into other Office and Windows-based applications.
- Work effectively in teams.
- Communicate effectively with clients, verbally and in writing.
- Apply the skills that are the focus of this program to business scenarios.

Semester One		Credit Hours
CIS 140	Microsoft Word I	3
CIS 144	Microsoft PowerPoint	3
CIS 155	Microsoft Excel I	3
CIS 157	Microsoft Access I	3
		12

Semester Two

CIS 142	Microsoft Word II	3
# CIS 161	Microsoft Excel II	3
# CIS 167	Microsoft Access II	3
		9
	Total credits required	21

See CIS course descriptions on page 163.

Coordinator: Mike McGuire, Ext. 3716

Linux Professional Certificate

Curriculum C407Q

The Linux Professional Certificate will prepare the student for the LPI (Linux Professional Institute) exam. LPI is a vendor neutral program.

Graduates will be able to:

- Demonstrate a basic understanding of computer hardware and software.
- Demonstrate basic level of competency in programming and logic skills pertaining to Linux-based systems.
- Present conclusions effectively, orally and in writing.
- Administer and maintain a Linux-based computer system.
- Work effectively in teams.
- Apply the skills that are the focus of this program to business scenario.

Semester One		Credit Hours
CIS 101	Introduction to Computer Science	3
CIS 177	Introduction to Linux	3
		6
Semester Two		
# CIS 179	Linux System Administration	3
		3
	Total credits required	9

See CIS course descriptions on page 163.

Coordinator: Mike McGuire, Ext. 3716

Office Applications Certificate–Prep for Microsoft Certification

Curriculum C407O

Designed to prepare the student to take the Microsoft Certified Applications Specialist (MCAS) exam in all of the following areas: Word, Excel, Access, PowerPoint and Vista.¹

Semester One		Credit Hours
CIS 101◊	Introduction to Computer Science ¹ or	
BUS 107◊	Microsoft Office in Business Applications ¹	3
		3
Semester Two		Credit Hours
# CIS 150◊	Computer Systems Applications ¹	3
		3
Total credits required		6

See CIS course descriptions on page 163.

¹Credit for BUS 107◊, CIS 101◊ and CIS 150◊ will not be granted towards this certificate if taken prior to Fall 2007.

Coordinator: Mike McGuire, Ext. 3716

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407D	OFFICE APPLICATIONS CERTIFICATE-PREPARATION FOR MICROSOFT CERTIFICATE	11 0401
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 724.00	\$ 290.00	\$ 1,014.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	6	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
113021	Computer and Information Systems Managers	http://www.onetonline.org/link/summary/11-3021.00
151111	Computer and Information Research Scientists	http://www.onetonline.org/link/summary/15-1111.00
151133	Software Developers, Systems Software	http://www.onetonline.org/link/summary/15-1133.00
151199	Computer Occupations, All Other	http://www.onetonline.org/link/summary/15-1199.00
251021	Computer Science Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1021.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Virtual Assistant Certificate

Curriculum C407R

The Virtual Assistant Certificate will enable students to set up Microsoft’s Remote Desktop (a.k.a. Remote Access) on both host and client computers providing remote access to programs, files and data, specifically targeted for business and commercial, but may be implemented for personal use.

Graduates will be able to:

- Demonstrate an understanding of computer hardware and software
- Understand the dynamics of the workplace, to work productively with people of diverse cultures and technical backgrounds.
- Describe the features and functions of the major categories of applications software (word processing, database, spreadsheet, presentation, e-mail, browsers, etc.)
- Demonstrate knowledge of installing and configuring software and hardware specifically related to Microsoft’s Remote Desktop.

Semester One		Credit Hours
CIS 101◊	Introduction to Computer Science	3
CIS 174◊	LAN Administration: Windows Client	3
		6

Semester Two		Credit Hours
# CIS 150◊	Computer Systems Applications	3
# CIS 310◊	Data Communication & Networking Fundamentals	3
		6

Total credits required **12**

See CIS course descriptions on page 163.

Coordinator: Mike McGuire, Ext. 3716

Web Technologies Certificate

Curriculum C407J

The Web Technologies certificate is designed to provide the student with the skills necessary to design, deploy and maintain a Web site. The student will create Web pages using a popular software authoring tool, as well as utilizing various markup languages. Lastly, the material covers the information tested for the CIW (Certified Internet Webmaster) certification exam.

Take:		Credit Hours
	CIS 110 Social Networking and Web 2.0	3
	CIS 189◊ Internet Foundations	3
#	CIS 190◊ Web Site Development	3
#	CIS 310◊ Data Communications and Networking Fundamentals	3
	VIC 100◊ Graphic Design	3
	VIC 172◊ Web Page Design	3
	Total credits required	18

See CIS course descriptions on page 163; VIC course descriptions on page 218.

Coordinator: Mike McGuire, Ext. 3716

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407J	WEB TECHNOLOGIES CERTIFICATE	11 0801
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
3	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,445.00	\$ 577.00	\$ 2,022.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
1	18	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
151134	Web Developers	http://www.onetonline.org/link/summary/15-1134.00
271014	Multimedia Artists and Animators	http://www.onetonline.org/link/summary/27-1014.00
271024	Graphic Designers	http://www.onetonline.org/link/summary/27-1024.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Windows Programming Advanced Certificate

Curriculum C515C

The Computer Information Systems Windows Programming Advanced Certificate is designed for current data processing professionals who want exposure to the fundamentals of windows programming.

Completion of standard data processing course work or job experience in programming is expected.

Expected background: CIS 101◊ and CIS 121◊

Semester One		Credit Hours
#	CIS 253◊ Advanced Visual Basic Programming	3
#	CIS 255◊ C++ Programming	3
		6
Semester Two		Credit Hours
#	CIS 264◊ C# Programming	3
#	CIS 295◊ Data Structures with C++	3
		6
	Total credits required	12

See CIS course descriptions on page 163.

Coordinator: Mike McGuire, Ext. 3716

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C515C	WINDOWS PROGRAMMING/ ADVANCED CERTIFICATE	11 0201
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
2	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,446.00	\$ 578.00	\$ 2,024.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	12	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
151131	Computer Programmers	http://www.onetonline.org/link/summary/15-1131.00
151132	Software Developers, Applications	http://www.onetonline.org/link/summary/15-1132.00
151134	Web Developers	http://www.onetonline.org/link/summary/15-1134.00
151152	Computer Network Support Specialists	http://www.onetonline.org/link/summary/15-1152.00
251021	Computer Science Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1021.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Computer Network and Telecommunications Systems

Curriculum C207F

The Computer Network and Telecommunications Systems program is designed to provide students with the skills necessary to obtain a position in the specialty of Network and Telecommunications Systems. Graduates of the program will be able to:

- Demonstrate a basic understanding of computer hardware and software.
- Demonstrate basic level of competency in programming and logic skills.
- Utilize web technologies.
- Present conclusions effectively, orally and in writing.
- Administer and maintain a computer network.
- Work effectively in teams.
- Apply the skills that are the focus of this program to business scenarios

Associate in Applied Science Degree

Semester One		Credit Hours
	CIS 101◊ Introduction to Computer Science	3
#	CIS 125◊ Discrete Mathematics for Computing ¹	4
	CIS 174◊ LAN Administration: Windows Client or	
	CIS 177◊ Introduction to Linux	3
#	RHT 101◊ Freshman Rhetoric & Composition I	3
	General education/Humanities	3
		16
Semester Two		
#	CIS 121◊ Introduction to Programming	3
#	CIS 276◊ Operating Systems Introduction or	
#	CIS 277◊ Windows Command Processing	3
#	CIS 310◊ Data Communications & Networking	3
	SPE 101◊ Principles of Effective Speaking	3
	Program electives	6
		18
Semester Three		
#	CIS 220◊ Introduction to Network Security	3
	CIS 236◊ Introduction to Wireless LAN Administration	3
#	CIS 275◊ Project Management for Small-Business Systems or	
#	CIS 280◊ Business Systems Analysis and Design	3
	Program electives	9
		18

Semester Four		
	HTH 104◊ Science of Personal Health or	
	HTH 281◊ First Aid & CPR	2
	HIS 151◊ History of the U.S. to 1877 or	
	PSC 150◊ American National Politics or	
	SSC 190◊ Contemporary Society	3
	Program electives	12
		17
Total credits required for graduation		69

Program electives (27):

#	CIS 150◊ Computer Systems Applications	3
#	CIS 167◊ Microsoft Access II	3
	CIS 176◊ LAN Administration: Windows Server or	
#	CIS 179◊ Linux System Administration	3
#	CIS 178◊ Administering Web Servers	3
#	CIS 222◊ Administering Network Infrastructure	3
#	CIS 224◊ Managing a Network Environment	3
#	CIS 226◊ Advanced Network Security	3
#	CIS 228◊ Administering Directory Services	3
#	CIS 238◊ Introduction to Computer Forensics	3
#	CIS 240◊ Advanced Computer Forensics	3
#	CIS 260◊ Cooperative Work Experience	3
#	CIS 261◊ Cooperative Work Experience	3
#	CIS 278◊ Database Management Systems	3
#	CIS 312◊ Internetworking, Routing & Switching	3

See CIS course descriptions on page 163.

See Humanities General Education requirements on page 86.

¹CIS 125◊ meets the Mathematics and/or Science general education requirement.

Coordinator: Mike McGuire, Ext. 3716

A+ Microcomputer Technician Certificate

Curriculum C407N

The A+ Microcomputer Technician certificate is designed to provide students with the skills necessary to obtain an entry-level position in the growing specialty of PC technical support. The courses parallel CompTIA's A+ exam objectives.

Upon successful completion of the A+ Microcomputer Technician program, the graduate will be able to:

- Demonstrate an understanding of computer hardware and software
- Apply customer service and end-user support principles when dealing with customers and individuals lacking a technical background.
- Demonstrate knowledge of installing and configuring software and hardware.
- Communicate effectively with clients, verbally and in writing.
- Demonstrate critical thinking in problem solving.
- Work effectively in teams.
- Apply the skills that are the focus of this program to business scenarios.

Semester One		Credit Hours
CIS 105◇	A+ PC Hardware & Software	3
CIS 106◇	A+ PC Maintenance & Repair	3
CIS 174◇	LAN Administration: Windows Client	3
# CIS 310◇	Data Communication & Networking Fundamentals	3
		12
	Total credits required	12

See CIS course descriptions on page 163

Note: A+ Certified technicians can earn credit towards CIS 105◇ and/or CIS 106◇

Coordinator: Mike McGuire, Ext. 3716

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407N	A+ MICROCOMPUTER TECHNICIAN	15 1202
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	1	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,445.00	\$ 577.00	\$ 2,024.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
1	12	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
173023	Electrical and Electronics Engineering Technicians	http://www.onetonline.org/link/summary/17-3023.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Network Management Certificate

Curriculum C407M

The Network Management certificate is designed to provide students with the skills necessary to obtain an entry-level position in the growing specialty of network planning, installation, security and administration. The certificate may be repeated by completing six to nine credit hours in a different concentration. Courses are preparatory for industry certification exams as listed.

Upon successful completion of the Network Management program, the graduate will be able to:

- Demonstrate a basic understanding of computer hardware and software.
- Demonstrate basic level of competency in programming and logic skills.
- Utilize web technologies.
- Present conclusions effectively, orally and in writing.
- Administer and maintain a computer network.
- Work effectively in teams.
- Apply the skills that are the focus of this program to business scenarios.

Core Courses	Credit Hours	
CIS 174◇	LAN Administration: Windows Client or	
CIS 177◇	Introduction to Linux	3
# CIS 277◇	Windows Command Processing	3
# CIS 310◇	Data Communications & Networking ²	3
	Selections from one concentration	6-9

CISCO Internetworking Certification Concentration (C1)

CIS 176◇	LAN Administration: Windows Server	
	or	
# CIS 179◇	Linux System Administration	3
# CIS 312◇	Internetworking, Routing and Switching	3

Microsoft Certified Information Technology Professional Concentration - MCITP (C2)

CIS 176◊	LAN Administration: Windows Server	3
# CIS 222◊	Administering Network Infrastructure	3
# CIS 224◊	Managing a Network Environment	3
		6-9

Microsoft Certified Information Technology Professional Concentration Advanced- MCITP (C3)³

# CIS 178◊	Administering Web Servers	3
# CIS 226◊	Advanced Network Security	3
# CIS 228◊	Administering Directory Services	3
		6-9

Certified Internet Web Master - CIW Administration Concentration (C4)

# CIS 158◊	Introduction to the World Wide Web	1
# CIS 178◊	Administering Web Servers	3
# CIS 220◊	Introduction to Network Security	3
		6-9

Wireless Network Management Certificate Concentration - CWNA (C5)

CIS 176◊	LAN Administration: Windows Server or	
# CIS 179◊	Linux System Administration	3
CIS 236◊	Introduction to Wireless LAN Administration	3
		6-9

Internet and Network Security Concentration (C6)⁴

# CIS 220◊	Introduction to Network Security	3
# CIS 226◊	Advanced Network Security	3
		6-9

Database Administrator - DBA Concentration (C9)

# CIS 167◊	Microsoft Access II	3
CIS 176◊	LAN Administration: Windows Server	3
# CIS 278◊	Database Management Systems	3
		6-9
Total credits required		15-18

See CIS course descriptions on page 163.

¹CIS 105◊ and CIS 106◊ prepares the student for Comptia's A+ certification exam.

²Prepares the student for the Comptia Network+ certification exam.

³Students must first complete the Microsoft Certified System Administrator - MCSA (C2) certification.

⁴Prepares the students for the CompTIA Security+ certification exam.

⁵Prepares the students for the Microsoft Certified Desktop Support Technician (MCDST) certification exam.

Coordinator: Mike McGuire, Ext. 3716

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C407M	NETWORK MANAGEMENT CERTIFICATE	11 1001
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,446.00	\$ 578.00	\$ 2,024.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	15	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
113021	Computer and Information Systems Managers	http://www.onetonline.org/link/summary/11-3021.00
151122	Information Security Analysts	http://www.onetonline.org/link/summary/15-1122.00
151142	Network and Computer Systems Administrators	http://www.onetonline.org/link/summary/15-1142.00
151143	Computer Network Architects	http://www.onetonline.org/link/summary/15-1143.00
151152	Computer Network Support Specialists	http://www.onetonline.org/link/summary/15-1152.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Criminal Justice Administration

Curriculum C243A

The American system of Criminal Justice is comprised of three major components: law enforcement, courts and correctional systems at community, county, state and federal levels.

Criminal Justice Administration is a comprehensive field with career opportunities in several areas: law enforcement; probation, parole and corrections; social-justice services; and security and loss prevention. Prepares students for careers in public and private agencies in the social and criminal justice system. The two-year program includes the study of contemporary and advanced problems in modern law enforcement, as well as criminal justice systems, administration, criminal laws and procedures, police and community relations, and criminalistics.

Students who wish to become probation, parole or corrections officers will receive the necessary foundation through this program. The study of law, social and justice agencies, and criminal offenders is included, with emphasis on corrections.

Study of careers in the social-justice services includes such

agencies as the Department of Children and Family Services, Public Aid, Corrections, and psychiatric and medical agencies.

Private Security is an emerging career field in need of personnel with qualified credentials. The Criminal Justice program provides courses to prepare students for entry-level security, armed and unarmed. Areas of employment include corporate, industrial and homeland security, hospital, airline, bank, railroad, as well as college and university security.

Students planning additional study at a four-year college or university should enroll in the Associate in Science (U230A) or the Associate in Arts degree programs (U224A), which requires a concentration of general education courses combined with selected core criminal justice courses and electives.

Associate in Applied Science Degree

Semester One		Credit Hours
#	CJA 1110 Introduction to Criminal Justice	3
	CJA 1210 Introduction to Corrections	3
	CJA 1610 Administration of Justice	3
	HTH 1040 <i>Science of Personal Health or</i>	
	HTH 2810 <i>First Aid & CPR</i>	2
#	RHT 1010 Freshman Rhetoric & Composition I ¹	3
		14

Semester Two		
	BUS 1250 Formatting/Proofreading Business Documents	3
	CJA 1480 Police/Community Relations	3
	CJA 1710 Patrol Administration	3
	CJA 1810 Juvenile Delinquency & Law	3
#	RHT 1020 <i>Freshman Rhetoric & Composition II or</i>	
	SPE 1010 <i>Principles of Effective Speaking</i> ¹	3
		15

Semester Three		
#	CJA 2010 Criminology	3
#	CJA 2190 Criminal Law I	3
	CJA 2570 Law Enforcement Administration	3
	HIS 1510 <i>History of the U.S. to 1877 or</i>	
	PSC 1500 <i>American National Politics or</i>	
	SSC 1900 <i>Contemporary Society</i>	3
	General education/Mathematics and/or Science	3-4
	Program electives	3
		18-19

Semester Four		
#	CJA 2360 Criminal Law II	3
	CJA 2410 Traffic Enforcement & Administration	3
	CJA 2460 Laws of Evidence	3
#	CJA 2980 Applied Law-Enforcement Administration	3
	General education/Humanities	3
	Electives	3
		18

Total credits required for graduation 65-66

See CJA course descriptions on page 167.

See Humanities General Education requirements on page 86.

Note: Upon petition, students successfully completing professional-training courses sponsored or sanctioned by the Illinois Law Enforcement Training and Standards Board, or an equivalent accrediting agency, may receive up to 24 hours of credit. All documentation, including official transcripts, course descriptions, and course outlines, will be reviewed by the program coordinator to determine the number of hours of credit to be granted toward the Associate in Applied Science degree or certificate.

Program electives (3): CJA 1060, CJA 1150, CJA 1160, CJA 1170, CJA 1180, CJA 1250, CJA 1270, CJA 1310, CJA 1400, CJA 1660, CJA 205, CJA 2960

Suggested electives (3): CIS 1000, CIS 1010; CWE 2900, CWE 2910; PED 1060, PED 1200; PSY 1000; SOC 1000, SOC 1310, SOC 2250; PHL 1010, PHL 1030

¹Students must complete either RHT 1010 and SPE 1010, or RHT 1010 with RHT 1020. Students interested in transferring are encouraged to complete all three courses: RHT 1010, RHT 1020 and SPE 1010 to meet university requirements.

Coordinator: John Augustine, Ext. 3323

Criminal Justice Administration Corrections Certificate

Curriculum C443A

This program prepares students for entry-level positions in corrections or related fields.

Semester One		Credit Hours
#	CJA 1110 Introduction to Criminal Justice	3
	CJA 1210 Introduction to Corrections	3
	CJA 1250 Principles of Probation & Parole	3
	CJA 1270 Correctional Counseling	3
	PSY 1000 Introduction to Psychology	3
		15

Semester Two		
	CJA 1310 Correctional Procedures	3
	CJA 1610 Administration of Justice	3
	CJA 1810 Juvenile Delinquency and Law	3
#	CJA 2010 Criminology	3
		12

Total credits required 27

See CJA course descriptions on page 167.

Coordinator: John Augustine, Ext. 3323

Criminal Justice Administration Law Enforcement Certificate

Curriculum C443B

The Criminal Justice Administration Law Enforcement certificate program is designed for students who wish to specialize solely in technically related courses to prepare for entry-level positions in one of the many public and private law enforcement agencies.

		Credit Hours
#	CJA 111◇ Introduction to Criminal Justice	3
	CJA 166◇ Criminal Investigation	3
	CJA 171◇ Patrol Administration	3
	Program electives	6
		15

		Credit Hours
Semester Two		
	CJA 181◇ Juvenile Delinquency and Law	3
#	CJA 201◇ Criminology	3
#	CJA 219◇ Criminal Law I	3
	Program electives	3
		12
Total credits required		27

Program electives (9):

CJA 115◇	Professional Skills: Private Security-Basic Firearm Training ¹	3
CJA 116◇	Current Security Problems ¹	3
CJA 117◇	Introduction to Private Security ¹	3
CJA 118◇	Security Administration ¹	3
CJA 148◇	Police Supervision & Community Relations	3
CJA 161◇	Administration of Justice	3
CJA 241◇	Traffic Enforcement & Administration	3
CJA 257◇	Law Enforcement Administration	3

See CJA course descriptions on page 167.

¹Appropriate choice for students interested in private police security.

Coordinator: John Augustine, Ext. 3323

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C443B	CRIMINAL JUSTICE ADMINISTRATION/LAW ENFORCEMENT	43 0103
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
6	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	27	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
119199	Managers, All Other	http://www.onetonline.org/link/summary/11-9199.00
251111	Criminal Justice and Law Enforcement Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1111.00
331012	First-Line Supervisors of Police and Detectives	http://www.onetonline.org/link/summary/33-1012.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Criminal Justice Administration Private Security Certificate

Curriculum C443C

The Criminal Justice Administration Private Security certificate program is designed for students who wish to specialize in the expanding field of corporate or private security.

		Credit Hours
Semester One		
CJA 115◇	Professional Skills: Private Security-Basic Firearms Training	3
CJA 116◇	Current Security Problems	3
CJA 117◇	Introduction to Private Security	3
HTH 281◇	First Aid & CPR	2
		11
Total credits required		11

See CJA course descriptions on page 167.

Note: CJA 115◇ will meet the requirements outlined in the Private Detective and Private Security Act of 1983. It is approved by the Department of Education and Registration.

Coordinator: John Augustine, Ext. 3323

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C443C	CRIMINAL JUSTICE PRIVATE SECURITY	43 0109
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,084.00	\$ 433.00	\$ 1,517.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
1	11	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251111	Criminal Justice and Law Enforcement Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1111.00
333052	Transit and Railroad Police	http://www.onetonline.org/link/summary/33-3052.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

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Diagnostic Medical Sonography

(See *Diagnostic Medical Sonography* on page 138 in the *Selective Admission Health Program* section)

Early Childhood Education

Curriculum C220A

The Early Childhood Education (ECE) professional will provide developmentally appropriate care to children in Early Childhood Care and Education programs. The field of Early Childhood covers birth through eight years of age.

Daytime morning, field experiences are requirements in all ECE classes, progressing from basic observations to a supervised observation/participation class which precedes student teaching in program approved and licensed Early Childhood Care and Education programs. Experiences include working with children and families, curriculum development, team teaching responsibilities, classroom management, guidance techniques and portfolio development. Communication skills and collaborative behaviors are emphasized.

College and state medical assessments and background inquiry checks are required of all individuals working with young children.

The Triton College Associate in Applied Science in Early Childhood Education leads to a level 4 Gateways Illinois ECE Credential.

Associate in Applied Science Degree

Semester One		Credit Hours
ECE 110◇	Early Childhood Development	3
ECE 111◇	Introduction to Early Childhood Education	3
PSY 100◇	Introduction to Psychology	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
	General education/Humanities/Fine Arts	3

Semester Two

# ECE 118◇	Health, Nutrition and Safety	3
# ECE 121◇	Language Development & Activities	3
# ECE 146◇	Child, Family & Community	2
HTH 281◇	First Aid & CPR	2
SPE 101◇	Principles of Effective Speaking	3
	General education/Mathematics or	
	General education/Physical & Life Science	3-4
		16-17

Semester Three

# ECE 138◇	Observation, Assessment, Curriculum and Guidance of Young Children	4
		4

Semester Four

# ECE 142◇	Students with Disabilities in School	3
# ECE 231◇	Science & Math for Children	3
# ECE 233◇	Creative Activities for the Young Child	3
	General education/Social & Behavioral Science	3
	Electives	4
		16

Semester Five

# ECE 251◇	Practicum	4
# ECE 252◇	Seminar	3
	Program electives	7
		14

Total credits required for graduation 65-66

See *ECE course descriptions* on page 173.

See *Humanities and Social & Behavioral Science General Education requirements* on page 86.

See *Associate in Arts degree requirements for Physical and Life Sciences and Mathematics General Education* on page 51.

Note: A minimum grade of "C" is a requirement for each ECE course in all ECE programs.

Program electives (7): ECE 122◇, ECE 136◇, ECE 151◇, ECE 152◇, ECE 153◇, ECE 154◇, ECE 155◇, ECE 156◇, ECE 230◇, ECE 250◇, ECE 296◇

Suggested electives (4): PSY 234◇, Refer to the Associate of Arts Teaching degree in Early Childhood Education on page 65 for elective choices if you plan on transferring for a teaching degree.

Chairperson: Mary Rinchiuso, Ext. 3022

Early Childhood Education Certificate

Curriculum C320A

The Early Childhood Education certificate program is designed for students wishing to prepare for entry-level positions in early childhood facilities. Emphasis is placed directly on related Early Childhood Education course work.

Field experiences are requirements in all ECE classes, progressing from basic observations to a supervised observation/participation class, in program approved and licensed Early Childhood programs. Experiences include working with children and families, curriculum development, team teaching responsibilities, classroom management and guidance techniques.

The Triton College Early Childhood Certificate leads to a level 2 Gateways Illinois Early Childhood Education Credential.

Semester One	Credit Hours
ECE 110◊ Early Childhood Development	3
ECE 111◊ Introduction to Early Childhood Education	3
Program electives	3
	9
Semester Two	
# ECE 118◊ Health, Nutrition and Safety	3
# ECE 138◊ Observation, Assessment, Curriculum and Guidance of Young Children	4
# ECE 142◊ Students with Disabilities in School	3
	10
Semester Three	
Program electives	12
	12
Total credits required	31

Program electives (15):

# ECE 115◊ Infant/Toddler Development	3
# ECE 121◊ Language Development & Activities	3
# ECE 122◊ Infant/Toddler Care and Curriculum	3
ECE 136◊ School Age Programming	3
# ECE 146◊ Child, Family & Community	2
ECE 151◊ Communicating with Parents and Children ¹	1
ECE 152◊ Principles of Child Growth and Development, Birth - 5 ¹	1
ECE 153◊ Guiding Children and Managing the Classroom ¹	1
ECE 154◊ Activities and Resources for Young Children I ¹	1
ECE 155◊ Activities and Resources for Young Children II ¹	1
ECE 156◊ Effective Teaching ¹	1
# ECE 231◊ Science & Math for Children	3
# ECE 233◊ Creative Activities for the Young Child	3
# ECE 250◊ Administration & Supervision of Early Childhood Programs	3
ECE 296◊ Special Topics in Early Childhood Education ¹	1

See ECE course descriptions on page 173.

Note: A minimum grade of "C" is required for each ECE course in all ECE programs.

¹Only three of the one-credit hour courses can serve as program electives for the Early Childhood Education associate's degree.

Chairperson: Mary Rinchuso, Ext. 3022

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C320A	EARLY CHILDHOOD EDUCATION	19 0709
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
4	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 3,613.00	\$ 1,443.00	\$ 5,056.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
3	31	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
399011	Childcare Workers	http://www.onetonline.org/link/summary/39-9011.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Child Development CDA Preparation Certificate

Curriculum C420C

The CDA Preparation certificate prepares students for Child Development Associate (CDA) assessment by fulfilling the requirement for 120 clock hours of training in eight subject areas that is needed to apply for the CDA credential.

Upon completing the CDA Preparation certificate and earning a CDA credential from the Council for Professional Recognition, a student is eligible to receive credit toward the Child Development AAS degree. The number of additional credit hours (generally seven) is awarded after the Child Development faculty evaluates the student's resource file and training experiences.

Note: Only one of the following CDA Preparation certificates can be applied towards graduation.

CDA Preparation Core

Semester One	Credit Hours
ECE 151◊ Communicating with Parents and Children	1
ECE 152◊ Principles of Child Growth and Development, Birth - 5	1
ECE 153◊ Guiding Children and Managing the Classroom	1
	3

Semester Two

ECE 111◇	Introduction to Early Childhood Education	3
		3

These first four courses represent the core of CDA Preparation whether you are interested in Pre-school or Infant/Toddler.

Once these are complete you can choose **one** of the following two tracks:

CDA Infant/Toddler Track (ages birth to 36 months)

	CDA Preparation Core	6
ECE 115◇	Infant/Toddler Development	3
# ECE 122◇	Infant/Toddler Care and Curriculum	3
		12

CDA Pre-School Track (ages 3 to 5)

	CDA Preparation Core	6
ECE 110◇	Early Childhood Development	3
Choose one of the following 3 credit hour electives:		
# ECE 118◇	Health, Nutrition and Safety	3
# ECE 121◇	Language Development & Activities	3
# ECE 231◇	Science & Math for Children	3
# ECE 233◇	Creative Activities for the Young Child	3
		12

Total credits required 12

See ECE course descriptions on page 173.

Note: A minimum grade of "C" is required as a prerequisite for each ECE course in all ECE programs.

Chairperson: Mary Rinchiuso, Ext. 3022

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C420C	CHILD DEVELOPMENT CDA PREPARATION	19 0709
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
9	1	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 1,446.00	\$ 578.00	\$ 2,024.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	12	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
399011	Childcare Workers	http://www.onetonline.org/link/summary/39-9011.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Infant/Toddler Care Certificate

Curriculum C420B

The Infant/Toddler certificate program is designed for students wishing to prepare for entry-level positions in infant-care centers. The program's emphasis is on infant/toddler development and creating appropriate environments and programs. A supervised, practical experience in an infant center will be an important component of the program.

Field experiences are requirements in all ECE classes, progressing from basic observations to a supervised observation/participation class, in program-approved and licensed Early Childhood programs. Experiences include working with children and families, curriculum development, team-teaching responsibilities, classroom management and guidance techniques.

The Triton College Infant/Toddler Care Certificate leads to a level 4 Gateways Illinois Infant/Toddler Credential upon completion of the following courses and an associate in applied science degree in Early Childhood Education.

Semester One		Credit Hours
ECE 110◇	Early Childhood Development	3
ECE 111◇	Introduction to Early Childhood Education	3
ECE 115◇	Infant/Toddler Development	3
HTH 281◇	First Aid & CPR	2
		11

Semester Two

# ECE 118◇	Health, Nutrition and Safety	3
# ECE 122◇	Infant/Toddler Care and Curriculum	3
# ECE 142◇	Students with Disabilities in School	3
# ECE 146◇	Child, Family & Community	2
		11

Total credits required 22

See ECE course descriptions. on page 173

Note: A minimum grade of "C" is required as a prerequisite for each ECE course in all ECE programs.

Chairperson: Mary Rinchiuso, Ext. 3022

Early Childhood Administration & Management Certificate

Curriculum C520A

The Early Childhood director is responsible for the management of a licensed child care facility. A quality ECE director provides supervision and supports development of center staff. The director develops program goals and objectives to mirror the program philosophy, develops and maintains budgets, facilitates family involvement and coordinates relationships between home and school.

Students will be involved in opportunities to develop techniques in observation and assessment of children and staff, as well as evaluation and goal setting with staff. Curriculum development and implementation, as well as positive guidance techniques are incorporated in most classes. Emphasis is on quality programming reflecting DCFS licensing standards, NAEYC Accreditation, Early Childhood Illinois Professional Teaching Standards and Illinois Early Learning Standards.

Field experiences are requirements in all ECE classes, progressing from basic observations to a supervised observation/participation class, in program-approved and licensed early childhood programs. Experiences include working with children and families, curriculum, team-teaching responsibilities, classroom management and guidance techniques.

The program is open to students desiring to meet the Department of Children and Family Services requirements for a child care director.

Program prerequisites: A minimum of an associate degree of 60-65 college semester hours from an approved college or university and approval of the program coordinator.

The Triton College Early Childhood Administration certificate is pending entitlement approval leading to a level 4 Gateways 'Illinois Director's Credential'.

Semester One	Credit Hours
ECE 110◊ Early Childhood Development	3
ECE 111◊ Introduction to Early Childhood Education	3
HIA 115◊ Food Sanitation and Safety	2
HTH 281◊ First Aid & CPR	2
	10
Semester Two	
# ECE 118◊ Health, Nutrition and Safety	3
# ECE 121◊ Language Development & Activities	3
# ECE 142◊ Students with Disabilities in School	3
# ECE 146◊ Child, Family & Community	2
# ECE 250◊ Administration & Supervision of Early Childhood Programs	3
	14
Semester Three	
# ECE 138◊ Observation, Assessment, Curriculum and Guidance of Young Children	4
	4
Total credits required	28

See ECE course descriptions on page 173.

Note: A minimum grade of "C" is a requirement for each ECE course in all ECE programs.

Chairperson: Mary Rinchioso, Ext. 3022

Paraprofessional Educator Associate

Curriculum C220B

The Paraprofessional directly supports teachers and children in the classroom. According to the No Child Left Behind Act (NCLB), "paraprofessionals should be able to demonstrate knowledge of, and the ability to assist in instruction in the areas of reading, writing and math, or in school readiness;" therefore, "paraprofessionals are expected to have working knowledge of these academic areas." Students completing the AAS Paraprofessional degree will have knowledge and skills in:

- reading, writing, mathematical computation and mathematical reasoning
- critical and creative thinking, decision making, problem-solving and reasoning
- communication (listening, speaking and writing)
- child/human growth and development, behavior management, instructional strategies and laws, policies and procedures
- technology
- respecting cultural diversity and the views of others
- working as a team member

Associate in Applied Science Degree

Semester One	Credit Hours
ECE 110◊ Early Childhood Development	3
ECE 111◊ <i>Introduction to Early Childhood Education</i> or	
# EDU 207◊ <i>Introduction to Education</i>	3
PSY 100◊ Introduction to Psychology	3
# RHT 101◊ Freshman Rhetoric & Composition I	3
General education/Humanities & Fine Arts	3
	15
Semester Two	
ECE 136◊ School Age Programming	3
# ECE 138◊ Observation, Assessment, Curriculum and Guidance of Young Children	4
# RHT 102◊ Freshman Rhetoric & Composition II	3
General education/Mathematics & Science	3-4
General education/Social & Behavioral Science	3
	16-17
Semester Three	
# ECE 142◊ <i>Students with Disabilities in School</i> or	
# EDU 200◊ <i>Introduction to Special Education</i>	3
# ECE 146◊ Child, Family & Community	2
SPE 101◊ Principles of Effective Speaking	3
General education/Mathematics	3
Electives ²	3
	14

Semester Four

# ECE 118◇	Health, Safety & Nutrition for the Young Child ¹	3
# ECE 121◇	Language Development & Activities	3
# EDU 215◇	Educational Psychology	3
EDU105◇	Technology for Educators Electives ²	4
		16
Total credits required for graduation		61-62

See ECE course descriptions on page 173.

See Humanities & Fine Arts and Social & Behavioral Science General Education requirements on page 86; Mathematics requirements for Associate in Arts degree on page 51.

Note: A minimum grade of "C" is a requirement for each ECE or EDU course in all ECE programs.

¹ECE 118◇ meets the Health and Fitness graduation requirement.

²If a student is planning on obtaining an Illinois Teaching Certificate, elective choices should be based on certificate level. (Refer to Teacher Certification Web site for electives: <http://www.isbe.state.il.us/certification>)

Chairperson: Mary Rinchiuso, Ext. 3022

Teacher Aide Certificate

Curriculum C320C

The Teacher Aide certificate provides Paraprofessional preparation for students who wish to directly support teachers and children in the classroom.

Students will study child development theory, educational foundations and practices that will be applied during a supervised field experience in a school setting.

This certificate has the potential to serve three groups of students:

- Future Paraprofessionals for non-Title I programs. By completing this curriculum, students who have little or no college experience will have a set of courses in general education and teacher preparation to be certified as a paraprofessional in non-Title I positions.
- Future Paraprofessionals pursuing an Associate's degree. Individuals can use the certificate as a stepping-stone toward completion of the AAS degree. By completing the certificate program they would achieve a credential at the halfway point of their program. (They also would be certified as a paraprofessional for work in non-Title I programs.)
- Incumbent Paraprofessionals. This curriculum will serve those who possess college credits, when combined with or applied to the certificate requirements, total 60 or more credit hours. These individuals would then meet the requirements of NCLB (No Child Left Behind Act) and be eligible to work in Title I positions.

Semester One		Credit Hours
ECE 110◇	Early Childhood Development	3
ECE 136◇	School-Age Programming	3
ECE 153◇	Guiding Children and Managing the Classroom	1
ECE 111◇	<i>Introduction to Early Childhood Education or</i>	
# EDU 207◇	<i>Introduction to Education</i>	3
PSY 100◇	Introduction to Psychology	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
		16

Semester Two		
# ECE 121◇	Language Development & Activities	3
# ECE 142◇	<i>Students with Disabilities in School or</i>	
EDU 105◇	Technology for Educators	3
# EDU 200◇	<i>Introduction to Special Education</i>	3
# EDU 215◇	Educational Psychology	3
SPE 101◇	Principles of Effective Speaking	3
		15
Total credits required		31

See ECE course descriptions on page 173.

Note: A minimum grade of "C" is a required for each ECE or EDU course in all ECE programs. 2.0 GPA is required for graduation.

Chairperson: Mary Rinchiuso, Ext. 3022

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C320C	TEACHER AIDE CERTIFICATE	13 1501
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
2	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	31	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
259041	Teacher Assistants	http://www.onetonline.org/link/summary/25-9041.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Engineering Technology

Curriculum C248V

The Engineering Technology curriculum provides the learner with working knowledge of engineering technology, including basic and advanced drafting and design principles using various 2D and 3D CAD systems, integrating Lean principles in the design process and knowledge of working with various measurement devices used in determining Quality Assurance of prototypes and finished goods. While in the program, the learner will be able to seek out entry-level and internship opportunities in engineering departments, plant maintenance, production departments and technical sales and support.

Upon successful completion of the Engineering Technology program, the graduate will be able to:

- Identify quality improvement methods used in the industry, including being able to develop your own process improvement action plans.
- Develop and roll out a product development plan from knowledge gained in coursework covering the various processes for manufacturing a product.
- Utilize various methods of measuring for the purpose of reverse engineering and quality assurance needs in the design build process.
- Analyze a piece-part drawing and make an appropriate listing of operations to obtain the desired part in the most cost and time efficient manner.
- Identify and take into account the applied physics principles that come into play in the design-build process of a manufactured product.
- Know your responsibilities as part of a design team and the ethics that should be practiced in this process, appreciating the overall human context in which Engineering Technology activities take place.
- Have the opportunity to advance in your careers and continue your professional development through four-year transfer programs offered at institutions, such as Illinois State University, Purdue University, Illinois Institute of Technology, Southern Illinois University and others with related programs around the country.

Associate in Applied Science Degree

Semester One		Credit Hours
ENT 104	Electricity Fundamentals	3
ENT 110	Production Drawings & CAD	4
ENT 111	Metrology with Geometric Dimensioning and Tolerancing	3
# ENT 252	Introduction to Mechanical AutoCAD	2
# MAT 170	Elementary Statistics ¹	3
# RHT 101	Freshman Rhetoric & Composition I ²	3

Semester Two		
ENT 103	Introduction to Automation	3
ENT 115	Fluid Power	3
# ENT 232	Geometric Design, Layout & Building	3
# MAT 111	<i>Pre-Calculus</i> ¹ or	
# MAT 114	<i>Plane Trigonometry</i> ¹	3-5
	Program electives	3
		15-17

Semester Three		
# ENT 123	Technical Physics ¹	4
ENT 127	Materials Manufacturing & Testing Processes	3
# ENT 260	Jig & Fixture Design	3
# RHT 102	<i>Freshman Rhetoric & Composition II</i> ² or	
SPE 101	<i>Principles of Effective Speaking</i> ²	3
	Program electives	3
		16

Semester Four		
# ENT 270	Machine Design	3
# ENT 295	Applied Statics	3
HTH 104	<i>Science of Personal Health</i> or	
HTH 281	<i>First Aid & CPR</i>	2
HIS 151	<i>History of the U.S. to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
	General Education/Humanities	3
	Program electives	3
		17

Total credits required for graduation 66-68

See ENT course descriptions on page 180.

See Humanities General Education requirements on page 86.

Program Electives (9): ENT 116, ENT 117, ENT 118, ENT 119, ENT 144, ENT 204, ENT 205, ENT 215, ENT 218, ENT 255, ENT 257, ENT 259, ENT 280, ENT 290, ENT 291, ENT 296

¹ENT 123, MAT 111 and MAT 114 meets the Mathematics and/or Science general education requirement.

²Students must complete RHT 101 with SPE 101, or RHT 101 with RHT 102. Students intending to transfer are encouraged to complete all three courses: RHT 101, RHT 102 and SPE 101 to meet university requirements.

Coordinator: Antigone Sharris, Ext. 3622; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Engineering Technology/Design Certificate

Curriculum C348B

The Engineering Technology Design certificate curriculum provides the student with the fundamental courses applicable for an entry-level position working with design professionals within engineering departments, plant maintenance, production departments and technical sales and support. Designed to jump-start an education in engineering technology with first discussions on the concepts of Lean principles in the design process and knowledge in working with the various measurement devices used in determining quality assurance of prototypes and finished goods.

Contains coursework within the Engineering Technology AAS degree, a degree that gives graduates the education needed to fill technical positions in product design and development and transfers to four-year technology-related programs, including (but not limited to) the Illinois Institute of Technology, Illinois State University, Northern Illinois University and Purdue University/Calumet. These four-year programs further prepare you to move into leadership roles, such as industrial supervision, machine and tool designer, technical buyers, production expeditors and cost estimators.

Semester One		Credit Hours
ENT 104	Electricity Fundamentals	3
ENT 110	Production Drawings & CAD	4
ENT 111	Metrology with Geometric Dimensioning and Tolerancing	3
ENT 127	Materials Manufacturing & Testing Processes	3
		13
Semester Two		
ENT 115	Fluid Power	3
# ENT 232	Geometric Design, Layout & Building	3
# ENT 252	Introduction to Mechanical AutoCAD	2
# ENT 260	Jig & Fixture Design	3
# ENT 255	<i>Autodesk Inventor Design & Rendering</i> or	
# ENT 280	<i>Solidworks Design & Rendering</i>	2
		13
Total credits required		26

See ENT course descriptions on page 180.

Coordinator: Antigone Sharris, Ext. 3622; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C348B	Engineering Technology Design	15 1306
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
4	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 1,154.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	26	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
173013	Mechanical Drafters	http://www.onetonline.org/link/summary/17-3013.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Engineering Technology/Fabrication Certificate

Curriculum C448S

The Engineering Technology/Fabrication curriculum provides the student with field experience to advance their knowledge of modern elements of fabrication, from manual machining operations through the use of CAD/CAM software interfacing with automated CNC equipment. Also included in the certificate is a course on the basics of machine elements, needed in the repair and maintenance of the high-end equipment of today's automated manufacturing facilities.

Semester One		Credit Hours
ENT 116	Fabrication Processes	3
ENT 117	Automated Fabrication Processes I	3
# ENT 144	Sheet Metal Fabrication	3
		9
Semester Two		
# ENT 118	Automated Fabrication Processes II	3
ENT 119	Machine Elements	3
		6
Total credits required		15

See ENT course descriptions on page 180.

Coordinator: Antigone Sharris, Ext. 3622; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Engineering Technology/Mechatronics Certificate

Curriculum C548F

The Engineering Technology/Mechatronics certificate curriculum is designed for individuals working in mid-level positions in the industry interested in obtaining the necessary design skills and knowledge for advancement where the formal knowledge of design and automated manufacturing processes are critical. Focuses on the upper-level coursework within the Engineering Technology AAS degree.

Semester One		Credit Hours
ENT 104	Electricity Fundamentals	3
ENT 1270	Materials Manufacturing & Testing Processes	3
# ENT 2600	Jig & Fixture Design	3
		<hr/>
		9
Semester Two		Credit Hours
ENT 1170	Automated Fabrication Processes I	3
# ENT 2040	PLC Fundamentals	3
# ENT 2700	Machine Design	3
# ENT 2950	Applied Statics	3
		<hr/>
		12
Total credits required		<hr/>
		21

See ENT course descriptions on page 180.

Coordinator: Antigone Sharris, Ext. 3622; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Engineering Technology/CAD Advanced Certificate

Curriculum C548E

The Engineering Technology/CAD Advanced certificate curriculum provides the student with the coursework needed to be in an entry-level position where skills and knowledge of CAD are required.

Contains coursework within the Engineering Technology AAS degree, a degree that gives graduates the education needed to fill technical positions in product design and development and transfers to four-year technology-related programs, including (but not limited to) the Illinois Institute of Technology, Illinois State University, Northern Illinois University and Purdue University/Calumet. These four-year programs further prepare you to move into leadership roles, such as industrial supervision, machine and tool designer, technical buyers, production expeditors and cost estimators.

Semester One		Credit Hours
# ENT 2520	Introduction to Mechanical AutoCAD	2
# ENT 2550	Autodesk Inventor Design & Rendering	2
		<hr/>
		4

Semester Two		Credit Hours
# ENT 2590	CAD Customization & Management	3
# ENT 2570	Mechanics for AutoCAD 3D Design & Rendering or	
# ENT 2800	Solidworks Design & Rendering	2
		<hr/>
		5
Total credits required		<hr/>
		9

See ENT course descriptions on page 180.

Coordinator: Antigone Sharris, Ext. 3622; ; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Engineering Technology/Pro-E Advanced Certificate

Curriculum C548A

The Engineering Technology/Pro-E certificate curriculum provides degreed professionals in the field of Engineering with the skills needed to master current technology in CAD, focused in Pro-E and includes data management and CNC programming. An excellent series of credit bearing courses for the Engineer seeking to gain CAD and CNC knowledge that is NOT seminar-based.

Semester One		Credit Hours
# ENT 2150	Basic Pro-E.	3
# ENT 2590	CAD Customization & Management	3
		<hr/>
		6
Semester Two		Credit Hours
ENT 1170	Automated Fabrication Processes I	3
# ENT 2180	Intermediate Pro-E	3
		<hr/>
		6
Total credits required		<hr/>
		12

See ENT course descriptions on page 180.

Coordinator: Antigone Sharris, Ext. 3622; Email: asharris@triton.edu; Cell Phone: (773) 580-8807

Eye Care Assistant Certificate

Curriculum C451A

This program will prepare individuals to be qualified to work at the entry-level in a variety of eye care settings. Employment opportunities are excellent due to an increase in the use of support personnel in eye care and a rising demand for ophthalmic services. Eye Care Assistants work under the direction of the optometrist or ophthalmologist and graduates could seek employment in private or group practice settings, clinics, hospital ophthalmology departments or commercial eye care facilities.

Semester One		Credit Hours
AHL 101◇	Essentials of Medical Terminology	1
EYE 100◇	Introduction to Eye Care	2
EYE 101◇	Ocular Disease	3
EYE 110◇	Ophthalmic Skills I	4
		10
Semester Two		
EYE 105◇	Optical Principles	3
EYE 120◇	Ophthalmic Skills II	4
EYE 130◇	Ophthalmic Office Procedures	2
		9
Total credits required		19

See EYE course descriptions on page 182.

Note: A minimum grade of "C" is required as a prerequisite for each EYE course.

Coordinator: Debra Baker, Ext. 3442; E-mail: dbaker1@triton.edu

Facilities Engineering Technology

Curriculum C280A

The Facilities Engineering Technology Degree is designed for students who are enrolled through the International Union of Operating Engineers (IUOE), Local 399 Education Training Fund to continue with their education and complete the course work needed for an associate's degree. Students will have the opportunity to acquire the skills needed for employment in jobs requiring multiple maintenance competencies, including electricity, plumbing, and boilers. These competencies will allow the students in this associate's degree program to obtain highly skilled maintenance positions in a variety of industries, office buildings, universities, hospitals, school districts, municipalities, stadia, and commercial/industrial facilities.

Upon successful completion of the program, the graduate will:

- Maintain and repair systems and functions associated with the maintenance of facilities.
- Troubleshoot and provide preventative maintenance of facilities.

- Communicate effectively, not only using the terminology appropriate to this trade, but the skills acquired in the other non-technical coursework.
- Provide the leadership and management skills needed for position as foreman, manager and supervisor.

Graduates of the program may seek employment as a stationary operating engineer, a chief engineer, a facilities manager, maintenance foreman, or as a building maintenance supervisor.

Associate in Applied Science Degree

Semester One		Credit Hours
FET 101	Indoor Air Quality	4
FET 105	Commercial Heating and Cooling Systems I	4
FET 110	Electricity for Facilities Engineers I	4
HUM 124◇	Professional Ethics	1
# RHT 101◇	Freshman Rhetoric & Composition I ²	3
		16
Semester Two		
# FET 115	Commercial Heating and Cooling Systems II	4
FET 125	Testing and Balancing	4
FET 135	Pneumatic and Direct Digital Controls	4
FET 140	Plumbing Repair and Maintenance	3
# MAT 122◇	Technical Mathematics	3
		18
Semester Three		
FET 201	Understanding Plan Drawings	2
# FET 210	Electricity for Facilities Engineers II	4
FET 215	Basic Boiler Operations	4
FET 220	Energy Conservation	5
SPE 101◇	Principles of Effective Speaking ²	3
		18
Semester Four		
FET 225	Facility Sustainability and Green Technology	5
FET 230	Critical Systems	2
FET 250	Chief Engineer	2
HTH 104◇	Science of Personal Health	2
SSC 190◇	Contemporary Society	3
		14
Total credits required for graduation		66

See FET course descriptions on page 183.

See Humanities General Education requirements on page 86

²Students intending to transfer are encouraged to complete all three courses: RHT 101◇, RHT 102◇ and SPE 101◇ to meet university requirements.

Dean: Paul Jensen, Ext. 3714

Facilities Engineering Technology Certificate

Curriculum C380A

The Facilities Engineering Technology Certificate provides the lecture and hands-on training needed for employment as facility engineers for both union and non-union students. Students who come through the International Union of Operating Engineers (IUOE) Local 399 Education Training Fund, will have the opportunity to acquire the necessary skills for employment in jobs requiring multiple maintenance competencies, including electricity, plumbing, and boilers. These competencies will allow graduates to obtain highly skilled maintenance positions in a variety of industries, office buildings, universities, hospitals, school districts, municipalities, stadia and commercial/industrial facilities.

Upon successful completion of the program, the graduate will:

- Maintain and repair systems and functions associated with the maintenance of facilities.
- Troubleshoot and provide preventative maintenance of facilities.
- Communicate effectively, not only using the terminology appropriate to this trade, but the skills acquired in the other non-technical coursework.

Graduates of the program may seek employment as a facilities engineer, stationary operating engineer, an operating engineer, a chief engineer, maintenance foreman, or as a building maintenance supervisor.

Semester One		Credit Hours
FET 101	Indoor Air Quality	4
FET 105	Commercial Heating and Cooling Systems I	4
FET 110	Electricity for Facilities Engineers I	4
# FET 115	Commercial Heating and Cooling Systems II	4
		16
Semester Two		
FET 135	Pneumatic and Direct Digital Controls	4
# FET 210	Electricity for Facilities Engineers II	4
FET 215	Basic Boiler Operations	4
FET 220	Energy Conservation	5
		17
Total credits required for graduation		33

See FET course descriptions on page 183.

Dean: Paul Jensen, Ext. 3714

Fire Science Technology

Curriculum C243B

The Fire Science program is designed for individuals pursuing a career in fire service and related fields. Some fire departments offer promotional and salary incentives to associate's degree program graduates. In addition, with recommendations from fire chiefs, graduates generally qualify for the National Fire Academy.

Other areas of employment for Fire Science graduates include fire-equipment sales and service, municipal fire protection, fire prevention inspection in industry and architectural firms, investigation for insurance companies and emergency medical services. Upon petition, students who have completed programs approved by the Illinois State Fire Marshall's Office will be granted equivalent credit toward the associate's degree in Fire Science.

Associate in Applied Science Degree

Semester One		Credit Hours
FIR 110	Fire Protection	3
FIR 135	Fire Service Law	2
FIR 150	Fire Suppression	4
FIR 180	Fire Prevention	3
# MAT 101	Quantitative Literacy or	
# MAT 102	Liberal Arts Mathematics ¹	3
		15
Semester Two		
# EMS 131	Emergency Medical Technician-Basic ³	6
# FIR 129	Hazardous Materials	3
# FIR 275	Hydraulics & Fix Installations	3
PSY 105	Personal Applications of Psychology	3
# RHT 101	Freshman Rhetoric & Composition I	3
		18
Semester Three		
# CIS 101	Introduction to Computer Science	3
# FIR 189	Fire Department Administration	3
# FIR 281	Building Construction (Fire)	3
HIS 151	History of the U.S. to 1877 or	
PSC 150	American National Politics or	
SSC 190	Contemporary Society	3
	Program electives ²	3
		15
Semester Four		
FIR 190	Arson	3
# FIR 254	Fire Supervision & Community Relations	3
SPE 101	Principles of Effective Speaking	3
	General education/Humanities	3
	Electives	5
		17
Total credits required for graduation		65

See FIR course descriptions on page 184.

See Humanities General Education requirements on page 86

Note: A minimum grade of "C" is required for each FIR and EMS course.

Program electives (3): CHM 110◊; FIR 195◊, FIR 196◊, FIR 250◊

¹MAT 101◊ or MAT 102◊ meets the Mathematics general education requirement.

²CIS 101◊ meets the Science general education requirement.

³EMS 131◊ meets the Health general education requirement.

Coordinator: Mike Kuryla, Ext. 3197

Fire Science Technology Certificate

Curriculum C343A

This program is designed for individuals who wish to increase their knowledge of the field. The program is primarily directed toward individuals presently in the field. Opportunities to enter the field as regular fire personnel are limited; however, some opportunities do exist in fire-equipment sales and service, insurance and inspection.

Semester One		Credit Hours
FIR 110◊	Fire Protection	3
# FIR 129◊	Hazardous Materials	3
FIR 135◊	Fire-Service Law	2
FIR 150◊	Fire Suppression	4
FIR 180◊	Fire Prevention	3
		15
Semester Two		
# FIR 189◊	Fire-Department Administration	3
FIR 190◊	Arson	3
# FIR 254◊	Fire Supervision & Community Relations	3
# FIR 275◊	Hydraulics & Fix Installations	3
# FIR 281◊	Building Construction (Fire)	3
		15
Total credits required		30

See FIR course descriptions on page 184.

Note: A minimum grade of "C" is required for each FIR course.

Coordinator: Mike Kuryla, Ext. 3617

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C343A	FIRE SCIENCE TECHNOLOGY CERTIFICATE	43 0203
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
3	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
332011	Firefighters	http://www.onetonline.org/link/summary/33-2011.00
332021	Fire Inspectors and Investigators	http://www.onetonline.org/link/summary/33-2021.00
332022	Forest Fire Inspectors and Prevention Specialists	http://www.onetonline.org/link/summary/33-2022.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Emergency Management Degree

Curriculum C244A

Designed to prepare students to enter the profession of emergency management. An emphasis is placed on developing academic, technical and professional knowledge and skills required for job acquisition, retention and advancement. The skills obtained through the associate degree program will prepare students to enter emergency management positions in government agencies, private corporations, industry and education or health care institutions.

Associate in Applied Science Degree

Semester One		Credit Hours
CIS 101◊	Introduction to Computer Science	3
EMP 101◊	National Incident Management System (NIMS)	1
# EMP 102◊	Basic ICS and Application Towards Single Resource & Initial Action Incidents	1
EMP 111◊	Principles of Emergency Management & Planning	4
EMP 121◊	Introduction to Mitigation	1
EMP 131◊	Emergency Operations Center (EOC) Management and Operations	2
EMP 141◊	Basic Public Information Officers (PIO)	2
EMP 151◊	Resource Management	1
		15

Semester Two		
# EMP 112◊	Emergency Management Operation	2
EMP 113	Emergency Planning & Special Needs Population	2
# EMP 122◊	Mitigation for Emergency Workers	2
# EMP 132◊	Incident Command System/Emergency Operations Center Interface	1
EMP 161◊	Disaster Response/Recovery Operations & RAPID Assessment	3
# RHT 101◊	Freshman Rhetoric & Composition II	3
		1-3
		14-16

Semester Three

EMP 221◊	The Role of Voluntary Agencies in Emergency Management	1
EMP 231◊	An Orientation to Community Disaster Exercises	1
EMP 241◊	Hazardous Weather and Flood Preparedness	1
		3

Semester Four

EMP 201◊	Debris Management	2
# EMP 222◊	Developing Volunteer Resources	1
# EMP 232◊	Exercise Design	1
# EMP 243	Hazardous Weather, Flooding & Hurricane Planning	2
# HTH 281◊	First Aid & CPR ¹	2
SPE 101◊	Principles of Effective Speaking ¹ Electives	3
		6
		17

Semester Five

# EMP 211◊	Basic Skills in Emergency Program Management	4
# EMP 223◊	Donations Management	1
# EMP 233◊	Exercise Program Manager- Management Course	2
# EMP 242◊	Warning Coordination & Maintaining Spotter Groups	2
# MAT 101◊	<i>Quantitative Literacy</i> or	
# MAT 102◊	<i>Liberal Arts Mathematics</i> General education/Social & Behavioral Science	3
		3
		15

Total credits required for graduation 64-66

See EMP course descriptions on page 176.

See Humanities General Education requirements on page 86.

See Social & Behavioral Sciences General Education requirements on page 86.

Note: A minimum grade of "C" is required for each EMP course.

Suggested elective: EMP 103◊

¹Students who have completed EMS 121, EMS 131◊ or have an equivalent or higher 'EMS License', can petition to meet the Health general education requirement.

Coordinator: William Justiz, Ext. 3653

Emergency Management Certificate

Curriculum C344A

Designed to prepare students to enter the profession of emergency management. Emphasis is placed on developing academic, technical and professional knowledge and skill required for job acquisition, retention and advancement. The skills obtained through the certificate program will prepare students to enter emergency management in government agencies, private corporations and industry and education or health care institutions.

Semester One **Credit Hours**

EMP 101◊	National Incident Management System (NIMS)	1
# EMP 102◊	Basic ICS and Application Towards Single Resource & Initial Action Incidents	1
EMP 111◊	Principles of Emergency Management & Planning	4
EMP 121◊	Introduction to Mitigation	1
EMP 131◊	Emergency Operations Center (EOC) Management and Operations	2
EMP 141◊	Basic Public Information Officers (PIO)	2
EMP 151◊	Resource Management	1
		12

Semester Two

# EMP 112◊	Emergency Management Operation	2
EMP 113	Emergency Planning & Special Needs Population	2
# EMP 122◊	Mitigation for Emergency Workers	2
# EMP 132◊	Incident Command System/Emergency Operations Center Interface	1
EMP 161◊	Disaster Response/Recovery Operations & RAPID Assessment	3
		10

Semester Three

EMP 221◊	The Role of Voluntary Agencies in Emergency Management	1
EMP 231◊	An Orientation to Community Disaster Exercises	1
EMP 241◊	Hazardous Weather and Flood Preparedness	1
		3

Semester Four

EMP 201◊	Debris Management	2
# EMP 222◊	Developing Volunteer Resources	1
# EMP 232◊	Exercise Design	1
# EMP 243	Hazardous Weather, Flooding & Hurricane Planning	2
		6

Semester Five

# EMP 2110	Basic Skills in Emergency Program Management	4
# EMP 2230	Donations Management	1
# EMP 2330	Exercise Program Manager-Management Course	2
# EMP 2420	Warning Coordination & Maintaining Spotter Groups	2
		9
Total credits required		40

See EMP course descriptions on page 176.

Note: A minimum grade of "C" is required for each EMP course.

Coordinator: William Justiz, Ext. 3653

Emergency Medical Technician-Basic

Curriculum C444A

Emergency Medical Technician-Basic's 'EMT-B' are trained in basic emergency skills and rescue techniques, based on the guidelines and recommendations of the Emergency Medical Services Highway Safety Program and the Illinois Department of Public Health Division of Emergency Medical Services. Upon completion, students become eligible to take the state licensure exam. A class average of 'B' must be met in order to achieve this certificate. Also, completion of this certificate does not guarantee becoming an EMT-B; other requirements must be met, which will be disclosed in the class.

Semester One		Credit Hours
# EMS 1310	Emergency Medical Technician-Basic	6
		6
Total credits required		6

See EMS course descriptions on page 178.

Note: A minimum grade of "C" is required for each EMS course.

Coordinator: William Justiz, Ext. 3653

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C444A	EMERGENCY MEDICAL TECHNICIAN-BASIC	51 0904
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
9	3	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 723.00	\$ 289.00	\$ 1,012.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
1	11	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251071	Health Specialties Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1071.00
292041	Emergency Medical Technicians and Paramedics	http://www.onetonline.org/link/summary/29-2041.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

EMS First Responder

Curriculum C444B

First Responders are trained in basic emergency skills and rescue techniques based on the guidelines and recommendations of the U.S. DOT National Standard Curriculum and the Illinois Department of Public Health Division of Emergency Medical Services. Designed to provide the student with the core knowledge, skills and attitudes to function in a 'first responder' capacity prior to the arrival of an ambulance. Students will learn airway management, control of bleeding, splinting, oxygen therapy, extrication and medical, environmental and other emergencies. Students who successfully complete the requirements of this program will become eligible for licensure as a first responder with the Illinois Department of Public Health EMS Division.

Semester One		Credit Hours
EMS 121	First Responder	3
		3
Total credits required		3

See EMS course descriptions on page 178.

Note: A minimum grade of "C" is required for each EMS course.

Coordinator: William Justiz, Ext. 3653

Horticulture

Curriculum C201A

The Horticulture (HRT) program is designed to provide students with the necessary skills to acquire entry-level positions in all fields of Horticulture and related industries, as well as skills for advancement in their career field, self employment and transfer into a four-year curriculum. Industry fields include landscape design, landscape and grounds maintenance, floral design, greenhouse and garden center management and sustainable horticulture. Students also will develop skills for lifelong learning. Program includes an AAS degree in Horticulture and certificate programs in Landscape Design, Floral Design, Grounds Maintenance and Sustainable Horticulture.

Upon successful completion of the Horticulture program, the graduate will be able to:

- Describe the interrelationships of people, society and plants
- Demonstrate how plants function, reproduce and adapt to changing environmental conditions
- Describe the identification, maintenance, cultural requirements, design and growth characteristics of plants
- Integrate appropriate landscape design principles and maintenance practices into landscape projects
- Develop a functional business plan for successful operation and management of a horticulture business
- Use learned skills to advance in their chosen career and continue professional development through four-year transfer programs

Associate in Applied Science Degree

Semester One (Fall)		Credit Hours
BUS 141◇	Introduction to Business	3
HRT 100◇	Introduction to Horticulture	4
HRT 125◇	Plants and Society ¹	4
HRT 145◇	Deciduous Plant Identification	3
# RHT 101◇	Freshman Rhetoric & Composition I ²	3
		<hr/>
		17
Semester Two (Spring)		Credit Hours
CIS 101◇	Introduction to Computer Science	3
# HRT 114◇	Floral Design and Display I	4
HRT 135◇	Soils & Fertilizers	3
HRT 225◇	Evergreens, Vines, Groundcovers	3
# RHT 102◇	<i>Freshman Rhetoric & Composition II</i> or	
SPE 101◇	<i>Principles of Effective Speaking</i> ²	3
		<hr/>
		16
Semester Three (Summer)		Credit Hours
# HRT 154◇	Horticulture Internship ³	3
		<hr/>
		3

Semester Four (Fall)

HRT 126◇	Plant Propagation/Greenhouse Operations	3
BIS 105◇	Environmental Biology	4
HRT 240◇	Landscape Design	4
HTH 281◇	First Aid & CPR	2
HUM 104◇	Humanities Through the Arts	3
		<hr/>
		16

Semester Five (Spring)

ECO 103◇	Microeconomics	3
HRT 270	Sustainable Landscape Practices	3
HRT 285◇	Turf and Lawn Management	3
# HRT 295◇	Landscape CAD and Graphics	4
		<hr/>
		3
		<hr/>
		16

Total credits required for graduation 68

See HRT course descriptions on page 190.

Program electives (3): HRT 127◇, HRT 128◇, HRT 261◇, HRT 265◇, HRT 282◇, HRT 296◇

¹HRT 125◇ meets the Mathematics and/or Science general education requirement.

²Students must complete RHT 101◇ with SPE 101◇, or RHT 101◇ with RHT 102◇. Students intending to transfer are encouraged to complete all three courses: RHT 101◇, RHT 102◇ and SPE 101◇ to meet university requirements.

³HRT 100◇, HRT 125◇ and HRT 154◇ will be offered in Fall, Spring and Summer semesters.

Coordinator: TBA, Ext. 3550

Horticulture/Floral Design Certificate

Curriculum C401B

Designed for students who wish to concentrate solely on technically-related courses. Students may specialize in Floral Design, preparing either for self-employment or entry-level positions.

Semester One		Credit Hours
HRT 100◇	Introduction to Horticulture	4
# HRT 114◇	Floral Design & Display I	4
HRT 282◇	Interior Landscaping/Tropical Plants	3
		<hr/>
		11
Semester Two		Credit Hours
# HRT 134◇	Floral Design & Display II	4
# HRT 244◇	Specialty Floral Design	3
# HRT 250◇	Flower Shop Operation	4
		<hr/>
		11
Total credits required		<hr/>
		22

See HRT course descriptions on page 190.

Coordinator: TBA, Ext. 3550

Horticulture/Grounds Maintenance Certificate

Curriculum C401C

Designed to facilitate the learner into a career in grounds maintenance. Includes golf course, sports turf and commercial turf maintenance properties.

Semester One		Credit Hours
HRT 100◇	Introduction to Horticulture	4
HRT 125◇	Plants and Society	4
HRT 127◇	Entomology: Insects, People and Plants	3
	Program electives	3
		14
Semester Two		Credit Hours
HRT 128◇	Plant Pathology	3
HRT 135◇	Soils & Fertilizers	3
HRT 140◇	Landscape Construction and Maintenance	4
HRT 285◇	Turf and Lawn Management	3
		13
Total credits required		27

See HRT course descriptions on page 190.

Program electives (3): HRT 126◇, HRT 145◇, HRT 225◇, HRT 261◇, HRT 265◇

Coordinator: TBA, Ext. 3550

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C401C	GROUND'S MAINTENANCE	01 0603
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	1	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	27	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
119013	Farmers, Ranchers, and Other Agricultural Managers	http://www.onetonline.org/link/summary/11-9013.00
251041	Agricultural Science Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1041.00
371012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	http://www.onetonline.org/link/summary/37-1012.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Landscape Design Certificate

Curriculum C401A (formerly C301A)

Designed for students who wish to concentrate solely on technically-related courses. Students may specialize in landscape design, maintenance and park maintenance in preparation for self-employment or entry-level positions.

Semester One		Credit Hours
HRT 100◇	Introduction to Horticulture	4
HRT 145◇	Deciduous Plant Identification	3
HRT 240◇	Landscape Design	4
		11
Semester Two		Credit Hours
HRT 140◇	Landscape Construction and Maintenance	4
HRT 225◇	Evergreens, Vines, Groundcovers	3
# HRT 295◇	Landscape CAD and Graphics	4
		11
Total credits required		22

See HRT course descriptions on page 190.

Coordinator: TBA, Ext. 3550

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C401A	LANDSCAPE DESIGN CERTIFICATE	01 0605
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,168.00	\$ 866.00	\$ 3,034.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	22	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251041	Agricultural Science Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1041.00
371012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	http://www.onetonline.org/link/summary/37-1012.00
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	http://www.onetonline.org/link/summary/37-3012.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Sustainable Landscape Practices

Curriculum C401D

Provides the student with training in sustainable agriculture and horticulture practices and the necessary background to pursue a career in sustainable agriculture technology. The program includes landscape and home gardening practices that provide conservation and sustainable practices. Topics covered include green roofs, water gardens, natural gardens, xeriscaping and other related sustainable agricultural practices. Students will examine common landscape and agricultural practices that have an adverse effect on the environment and explore solutions to those problems. Environmental aspects of bioenergy also is included.

Upon successful completion of the Sustainable Landscape Practices program, the graduate will be able to:

- Describe environmental issues that directly affect landscape and agricultural production practices
- Describe solutions to address environmental issues caused by today's common agricultural and landscape practices
- List and describe agricultural practices to provide for a healthier environment
- Describe sustainable practices in environmental conservation
- Describe current trends in sustainable practices in agriculture, horticulture and bioenergy
- Use technology procedures to develop sustainable practices
- Identify related career opportunities

Semester One	Credit Hours
HRT 100◊ Introduction to Horticulture	4
HRT 125◊ Plants and Society ¹	4
HRT 127◊ Entomology: Insects, People and Plants	3
HRT 270 Sustainable Landscape Practices	3
	14
Semester Two	
BIS 105◊ Environmental Biology	4
HRT 135◊ Soils & Fertilizers	3
# HRT 275 Innovations in Sustainability	4
	11
Total credits required	25

See HRT course descriptions on page 190.

¹HRT 125◊ meets the Mathematics and/or Science general education requirement.

Coordinator: TBA, Ext. 3550

Hospitality Industry Administration Culinary Arts

Curriculum C206L

Prepares the students for potential positions as chefs in restaurants, hotels, country clubs or other food establishments. Students are trained in a laboratory kitchen and develop skill in quantity food production, baking, garde-manger and kitchen management. They also gain knowledge of nutrition, purchasing, menu design, supervision and cost control.

Associate in Applied Science Degree

Semester One (Fall)	Credit Hours
HIA 100 Culinary Mathematics	2
HIA 110◊ Introduction to Hospitality Industry	3
HIA 115◊ Food Sanitation & Safety ¹	2
HIA 128◊ Introduction to Baking & Pastry	3
HIA 132◊ Nutrition	2
HIA 133◊ Menu Writing	2
HIA 150◊ Food Preparation Essentials & Theory	3
General education/Humanities	1
	18
Semester Two (Spring)	
HIA 120◊ Dining Room Service	3
HIA 130◊ Culinary Arts Quantity-Food Preparation I	3
# HIA 225◊ Hospitality Supervision	3
HIA 250◊ Hospitality Marketing	3
HIA 276◊ Food & Beverage Purchasing/Control	3
Program elective	1
	16
Semester Three (Fall)	
ACC 100◊ Basic Accounting I ¹	3
# HIA 228◊ Specialty Baking & Pastry	3
HIA 255◊ Culinary Arts Garde Manger	3
# HIA 260◊ Culinary Arts Quantity-Food Preparation II	3
# RHT 101◊ Freshman Rhetoric & Composition I	3
Program electives	2
	17
Semester Four (Spring)	
HIA 277◊ Catering Management	3
# HIA 295◊ Cooperative Work Experience	3
HTH 104◊ <i>Science of Personal Health</i> or	
HTH 281◊ <i>First Aid & CPR</i>	2
SPE 101◊ Principles of Effective Speaking	3
HIS 151◊ <i>History of the U. S. to 1877</i> or	
PSC 150◊ <i>American National Politics</i> or	
SSC 190◊ <i>Contemporary Society</i>	3
Program electives	2
	16
Total credits required for graduation	67

See HIA course descriptions on page 186.

See Humanities General Education requirements on page 86.

Program electives (5): CIS 101◊; HIA 114◊, HIA 117◊, HIA 122◊, HIA 202◊, HIA 205◊, HIA 207◊, HIA 208◊, HIA 209◊,

HIA 2100, HIA 2110, HIA 2120, HIA 2130, HIA 2140, HIA 2150, HIA 2160, HIA 2180, HIA 2800, HIA 2850, HIA 2960; Italian, Spanish

¹ACC 1000 meet the Mathematics and/or Science general education requirement.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Culinary Training Certificate

Curriculum C420A

This program, offered in conjunction with the Chefs of Cuisine Association of Chicago, is designed for individuals interested in becoming cooks and chefs. The strength of this program lies in required, on-the-job training combined with required academic courses.

Semester One		Credit Hours
HIA 1100	Introduction to Hospitality Industry	3
HIA 1150	Food Sanitation and Safety	2
HIA 1280	Introduction to Baking and Pastry	3
HIA 1320	Nutrition	2
HIA 1330	Menu Writing	2
HIA 1500	Food Preparation Essentials & Theory	3
	Program elective	1
		16
Semester Two		
HIA 1300	Culinary Arts Quantity Food Preparation I	3
HIA 2550	Culinary Arts-Garde Manger	3
HIA 2760	Food Purchasing/Control	3
# HIA 2950	Cooperative Work Experience	3
	Program electives	2
		14
Total credits required		30

See HIA course descriptions on page 186.

Program electives (3): HIA 1180, HIA 1240, HIA 1270, HIA 1290, HIA 1340, HIA 2020, HIA 2050, HIA 2070, HIA 2080, HIA 2090, HIA 2110, HIA 2120, HIA 2130, HIA 2140, HIA 2160, HIA 2180, HIA 2960

Coordinator: Denise Smith-Gaborit, Ext. 3624

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C420A	CULINARY TRAINING CERTIFICATE	12 0503
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
5	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
351011	Chefs and Head Cooks	http://www.onetonline.org/link/summary/35-1011.00
351012	First-Line Supervisors of Food Preparation and Serving Workers	http://www.onetonline.org/link/summary/35-1012.00
352013	Cooks, Private Household	http://www.onetonline.org/link/summary/35-2013.00
352014	Cooks, Restaurant	http://www.onetonline.org/link/summary/35-2014.00
352019	Cooks, All Other	http://www.onetonline.org/link/summary/35-2019.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Hospitality Industry Administration/ Baking and Pastry Degree

Curriculum C206M

The Baking and Pastry degree will provide students with comprehensive, hands-on experience in both the fundamental and advanced skills to succeed in the baking and pastry industry. Students will obtain the skills necessary to produce quality bakery products from scratch. The student will also obtain knowledge in human resource training; food cost control and advanced decorating techniques. The degree program will prepare students to become pastry chefs in hotels, restaurants and bakeries, or to own and operate their own bakery business.

Upon successful completion of the Hospitality Industry Administration Baking and Pastry degree, the graduate will be able to:

- Apply safety and sanitation skills in the bake shop by maintaining a valid State of Illinois Sanitation License.
- Improve time management skills by beginning and finishing practical projects on time. This will be measured by practical exams given throughout the program.
- Demonstrate effective written and verbal communication skills.
- Demonstrate the ability to operate professional equipment.
- Apply their knowledge of food cost control, purchasing and inventory control.
- Demonstrate proficiency in the skill of working with a pastry bag.
- Perform math calculations necessary for the baking and pastry industry.
- Demonstrate the ability to weigh and measure ingredients properly.
- Apply their knowledge to manage, coach and supervise a team of employees.

- Show proficiency in production, decoration and assembly of various pastries, cakes, breads, banquet and plated presentations.

Semester One		Credit Hours
	HIA 110◊ Introduction to Hospitality Industry	3
	HIA 115◊ Food Sanitation and Safety	2
#	HIA 127◊ Cake and Pastry Decoration	3
	HIA 128◊ Introduction to Baking and Pastry	3
	HIA 150◊ Food Preparation Essentials and Theory	3
#	RHT 101◊ Freshman Rhetoric & Composition I	3
		17
Semester Two		
	HIA 100 Culinary Mathematics	2
#	HIA 124◊ Laminated Doughs	2
	HIA 129◊ Chocolate	2
	HIA 130◊ Culinary Arts-Quantity Food Preparation I	3
	HIA 132◊ Nutrition	2
#	RHT 102◊ <i>Freshman Rhetoric & Composition II</i> or	
	SPE 101◊ <i>Principles of Effective Speaking</i> ²	3
	General Education/Humanities	1-3
		15-17
Semester Three		
#	HIA 134◊ Artisan Breads	3
#	HIA 227 Advanced Cake Decoration	3
#	HIA 228◊ Specialty Baking & Pastry	3
#	HIA 274 Retail Bakery Management	2
	HTH 104◊ <i>Science of Personal Health</i> or	
	HTH 281◊ <i>First Aid & CPR</i>	2
	HIS 151◊ <i>History of the U. S. to 1877</i> or	
	PSC 150◊ <i>American National Politics</i> or	
	SSC 190◊ <i>Contemporary Society</i>	3
		16
Semester Four		
	ACC 100◊ Basic Accounting I ¹	3
#	HIA 225◊ Hospitality Supervision	3
	HIA 250◊ Hospitality Marketing	3
	HIA 276◊ Food & Beverage Purchasing/Cost Control	3
	HIA 277◊ Catering Management	3
#	HIA 295◊ Cooperative Work Experience	3
		18
Total credits required for graduation		66-68

See HIA course descriptions on page 186.

See Humanities General Education requirements on page 86.

¹ACC 100◊ meet the Mathematics and/or Science general education requirement.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Baking and Pastry Certificate

Curriculum C306H

The Baking and Pastry certificate will provide students with comprehensive, hands-on experience in the fundamentals of baking and pastry arts. Students will obtain necessary skills to produce quality bakery products from scratch. Upon completion of the program, students are employable as entry-level bakery workers and assistant pastry chefs in a variety of commercial food service establishments including retail baking, in-store bakeries, and creating bakery and pastry items for restaurants and hotels. Advancement to positions of baker, bakery management and/or pastry chef may be achieved with additional work experience.

Semester One		Credit Hours
	HIA 110◊ Introduction to Hospitality Industry	3
	HIA 115◊ Food Sanitation and Safety	2
	HIA 128◊ Introduction to Baking and Pastry	3
	HIA 132◊ Nutrition	2
	HIA 276◊ Food & Beverage Purchasing/Cost Control	3
		13

Semester Two		
#	HIA 127◊ Cake and Pastry Decoration	3
	HIA 130◊ Culinary Arts-Quantity Food Preparation I	3
#	HIA 134◊ Artisan Breads	3
#	HIA 228◊ Specialty Baking & Pastry	3
#	HIA 295◊ Cooperative Work Experience	3
	Program electives	2
		17
Total credits required		30

See HIA course descriptions on page 186.

Program electives (2): HIA 129◊, HIA 202◊, HIA 205◊, HIA 207◊, HIA 208◊, HIA 209◊, HIA 211◊, HIA 212◊, HIA 213◊, HIA 214◊, HIA 216◊, HIA 218◊, HIA 296◊

Coordinator: Denise Smith-Gaborit, Ext. 3624

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C306H	BAKING AND PASTRY CERTIFICATE	12 0501
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
6	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
351011	Chefs and Head Cooks	http://www.onetonline.org/link/summary/35-1011.00
513011	Bakers	http://www.onetonline.org/link/summary/51-3011.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Beverage Management Certificate

Curriculum C306J

The Beverage Management Certificate will provide students with the skills necessary to manage, own or operate a beverage outlet. These outlets include cocktail bars in restaurants, hotels, casinos, banquet halls, night clubs, country clubs, catering operations, sports bars and neighborhood pubs. The students will learn and practice the art of preparing classical and fusion-style cocktails. The certificate also includes a Basic Sommelier course and a Food and Wine Pairing course. The student will receive a valid Training and Intervention Procedures (TIPS) beverage service license, The State of Illinois Beverage Alcohol Service Sellers Education Training (BASSET) license and the State of Illinois Food Safety and Sanitation license.

Program Prerequisites:

Student must be at least 21 years old and show proof of age by showing a valid driver's license, a valid State ID card or a valid passport.

Semester One (Fall)		Credit Hours
HIA 100	Culinary Mathematics	2
HIA 101	Knife Skills	2
HIA 110	Introduction to Hospitality Industry	3
HIA 115	Food Sanitation & Safety	2
HIA 117	Beverage Management	2
# HIA 119	Introduction to Sommelier	3
HIA 150	Food Preparation Essentials and Theory	3
		17
Semester Two (Spring)		
HIA 120	Dining Room Service	3
# HIA 206	Food and Wine Pairing	3
# HIA 217	Mixology	3
HIA 276	Food & Beverage Purchasing/Cost Control	3
# HIA 280	Introduction to Wines & Spirits	3
		15
Total credits required		32

See HIA course descriptions on page 186.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Bread Baking Certificate

Curriculum C406N

Designed for students who are interested in specializing in bread making techniques. The students also will improve their skills in bread decoration and prepare them for an entry-level position in a bread baking operation.

The students can complete this three-course certificate in the spring semester, all at once, or two courses in the fall semester and one course in the spring. The only class that is offered in the spring is HIA 124, Laminated Doughs.

Semester One		Credit Hours
HIA 128	Introduction to Baking and Pastry	3
# HIA 134	Artisan Breads	3
		6
Semester Two		
# HIA 124	Laminated Doughs	2
		2
Total credits required		8

See HIA course descriptions on page 186.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Cake Decoration Certificate

Curriculum C406M

Designed for students who are interested in specializing in cake decorating techniques. The students will improve their skills in cake decoration and prepare for an entry-level position in a retail bakery operation.

The students can complete this three-course certificate in the fall semester, all at once, or two courses in the fall semester and one course in the spring.

Semester One		Credit Hours
# HIA 127	Cake and Pastry Decoration	3
HIA 128	Introduction to Baking and Pastry	3
		6
Semester Two		
# HIA 227	Advanced Cake Decoration	3
		3
Total credits required		9

See HIA course descriptions on page 186.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Hospitality Industry Administration Hotel/Motel Management

Curriculum C206H

Prepares the students for potential positions as front office supervisors, sales managers, catering managers or other entry-level management positions in the hotel industry. Students gain knowledge of front office operations, convention management, travel industry, and sales and catering. They develop skill in basic food production and service, supervision, cost control and planning.

Associate in Applied Science Degree

Semester One		Credit Hours
HIA 110	Introduction to Hospitality Industry	3
HIA 115	Food Sanitation & Safety	2
HIA 120	Dining Room Service	3
HIA 122	Introduction to Convention Management	3
HIA 150	Food Preparation Essentials & Theory	3
HIA 210	Hotel & Motel Front-Office Operations	3
		17
Semester Two		
HIA 117	Beverage Management	2
HIA 123	Introduction to Travel and Tourism	3
HIA 130	Culinary Arts Quantity-Food Preparation I	3
HIA 215	Housekeeping for the Hospitality Industry	3
# HIA 225	Hospitality Supervision	3
HIA 250	Hospitality Marketing	3
		17
Semester Three		
HIA 100	Culinary Mathematics	2
# HIA 290	Dining Room Management	3
HTH 104	<i>Science of Personal Health</i> or	
HTH 281	<i>First Aid & CPR</i>	2
# RHT 101	Freshman Rhetoric & Composition I	3
SPE 101	Principles of Effective Speaking	3
HIS 151	<i>History of the U.S. to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
		16
Semester Four		
ACC 100	Basic Accounting I ¹	3
CIS 101	Introduction to Computer Science	3
HIA 277	Catering Management	3
# HIA 295	Cooperative Work Experience	3
	General education/Humanities	1
	Program electives	4
		17
Total credits required for graduation		67

See HIA course descriptions on page 186.

See Humanities General Education requirements on page 86.

Program electives (4): HIA 128, HIA 132, HIA 133, HIA

228, HIA 255, HIA 260, HIA 276, HIA 280, HIA 285, HIA 296; Italian, Spanish

¹ACC 100 meets the Mathematics and/or Science general education requirement.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Hospitality Industry Administration Hotel/Motel Certificate

Curriculum C406F

The certificate program prepares students for potential positions as front desk clerks, reservationists, concierge, guest attendants and other entry-level positions in the hotel industry. Students develop skill in guest handling procedures, basic supervision, housekeeping and planning catering functions. This program may be completed by full-time students in one year. All courses can be applied to the AAS in Hotel and Motel Management.

Semester One (Fall)		Credit Hours
ACC 100	Basic Accounting I	3
HIA 110	Introduction to Hospitality Industry	3
HIA 115	Food Sanitation & Safety	2
HIA 122	Introduction to Convention Management	3
HIA 210	Hotel & Motel Front Office Operations	3
# RHT 101	Freshman Rhetoric & Composition I	3
		17
Semester Two (Spring)		
HIA 215	Housekeeping for the Hospitality Industry	3
# HIA 225	Hospitality Supervision	3
HIA 250	Hospitality Marketing	3
HIA 277	Catering Management	3
# HIA 295	Cooperative Work Experience	3
		15
Total credits required		32

See HIA course descriptions on page 186.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C406F	HOSPITALITY INDUSTRY ADMINISTRATION/HOTEL/MOTEL CERTIFICATE	52 0904
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
2	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	34	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
119051	Food Service Managers	http://www.onetonline.org/link/summary/11-9051.00
119081	Lodging Managers	http://www.onetonline.org/link/summary/11-9081.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

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Hospitality Industry Administration/ Restaurant Management

Curriculum C206F

Prepares the students for potential positions as restaurant managers or restaurant owners. Students gain knowledge of all phases of restaurant operation. They develop skill in food preparation, service, cost control, purchasing, menu planning and supervision.

Associate in Applied Science Degree

Semester One (Fall)		Credit Hours
HIA 100	Culinary Mathematics	2
HIA 110	Introduction to Hospitality Industry	3
HIA 115	Food Sanitation & Safety	2
HIA 120	Dining Room Service	3
HIA 132	Nutrition	2
HIA 133	Menu Writing	2
HIA 150	Food Preparation Essentials & Theory	3
		17
Semester Two (Spring)		
HIA 117	Beverage Management	2
HIA 128	Introduction to Baking and Pastry	3
HIA 130	Culinary Arts Quantity-Food Preparation I	3
# HIA 225	Hospitality Supervision	3
HIA 250	Hospitality Marketing	3
# RHT 101	Freshman Rhetoric & Composition I	3
		17
Semester Three (Fall)		
ACC 100	Basic Accounting I ¹	3
HIA 255	Culinary Arts-Garde Manger	3
# HIA 260	Culinary Arts Quantity-Food Preparation II	3
# HIA 290	Dining Room Management	3
HTH 104	Science of Personal Health or	
HTH 281	First Aid & CPR	2
SPE 101	Principles of Effective Speaking	3
		17

Semester Four (Spring)

CIS 101	Introduction to Computer Science	3
HIA 276	Food & Beverage Purchasing/Cost Control	3
# HIA 295	Cooperative Work Experience	3
HIS 151	History of the U.S. to 1877 or	
PSC 150	American National Politics or	
SSC 190	Contemporary Society	3
General education/Humanities		1-3
Program electives		3
		16-18
Total credits required for graduation		67-69

See HIA course descriptions on page 186.

See Humanities General Education requirements on page 86.

Program electives (3): HIA 122, HIA 210, HIA 215, HIA 228, HIA 277, HIA 280, HIA 285, HIA 296; Italian, Spanish

¹ACC 100 meets the Mathematics and/or Science general education requirement.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Hospitality Industry Administration/ Restaurant Management Certificate

Curriculum C306C

The Hospitality Industry Administration certificate program is designed for individuals who wish to concentrate solely on technically related courses leading to entry-level employment.

Semester One		Credit Hours
HIA 110	Introduction to Hospitality Industry	3
HIA 115	Food Sanitation & Safety	2
HIA 120	Dining Room Service	3
HIA 132	Nutrition	2
HIA 133	Menu Writing	2
HIA 150	Food Preparation Essentials & Theory	3
		15
Semester Two		
ACC 100	Basic Accounting I	3
HIA 117	Beverage Management	2
HIA 128	Introduction to Baking and Pastry	3
HIA 130	Culinary Arts Quantity-Food Preparation I	3
# HIA 260	Culinary Arts Quantity-Food Preparation II or	
# HIA 290	Dining Room Management	3
HTH 104	Science of Personal Health or	
HTH 281	First Aid & CPR	2
# RHT 101	Freshman Rhetoric & Composition I	3
		19
Total credits required		34

See HIA course descriptions on page 186.

Coordinator: Denise Smith-Gaborit, Ext. 3624

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C306C	HOSPITALITY INDUSTRY ADMINISTRATION/RESTAURANT MANAGEMENT CERTIFICATE	52 0905
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 2,890.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	34	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
119051	Food Service Managers	http://www.onetonline.org/link/summary/11-9051.00
119081	Lodging Managers	http://www.onetonline.org/link/summary/11-9081.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

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Human Resource Management

Curriculum C206J

This program will assist the student in understanding Human Resource Management. Human Resource Management (HRM) involves all management decisions, activities, and practices that directly affect or influence the effectiveness of people, or human resources, who work for the organization.

Associate in Applied Science Degree

Semester One		Credit Hours
ACC 100	<i>Basic Accounting I or</i>	
ACC 101	<i>Financial Accounting</i>	3
BUS 141	Introduction to Business	3
BUS 200	Introduction to Human Resource Management	3
CIS 101	Introduction to Computer Science	3
# RHT 101	Freshman Rhetoric & Composition I	3
		<u>15</u>

Semester Two		Credit Hours
BUS 161	Business Law I	3
# BUS 210	Recruitment and Selection	3
# BUS 220	Training and Development	3
# BUS 250	Employee and Labor Relations	3
SPE 101	Principles of Effective Speaking	3
	General education/Humanities	1
		<u>16</u>

Semester Three

BUS 150	Principles of Management	3
# BUS 188	Business Writing	3
# BUS 240	Compensation and Benefits	3
BUS 260	Labor Law	3
# BUS 270	Employee Health and Safety	3
# CIS 150	Computer Systems Applications	3
		<u>18</u>

Semester Four

BUS 146	Business Computations ¹	3
# BUS 205	Problem Solving for Human Resources	3
HTH 104	<i>Science of Personal Health or</i>	
HTH 281	<i>First Aid & CPR</i>	2
HIS 151	<i>History of the U.S. to 1877 or</i>	
PSC 150	<i>American National Politics or</i>	
SSC 190	<i>Contemporary Society</i>	3
	Electives	6
		<u>17</u>

Total credits required for graduation 66

See BUS course descriptions on page 158.

See Humanities General Education requirements on page 86.

Suggested electives (6): BUS 112, BUS 149, BUS 290, BUS 296; CIS 161, ECO 102; PED

¹BUS 146 meets the Mathematics and/or Science general education requirement.

Coordinator: Dr. William M. Griffin, Ext. 3579

Human Resource Management Certificate

Curriculum C306F

The Human Resource Management certificate program will assist the learner in understanding the basic concepts of human resource management. A certificate program designed for learners who wish to specialize in the expanding field of human resource management, as well as beginning to prepare for the PHR/SPHR certification.

Semester One		Credit Hours
BUS 141	Introduction to Business	3
BUS 171	Introduction to Customer Service	3
BUS 200	Introduction to Human Resource Management	3
# BUS 210	Recruitment and Selection	3
# BUS 220	Training and Development	3
		<u>15</u>

Semester Two

# BUS 205	Problem Solving for Human Resources	3
# BUS 240	Compensation and Benefits	3
# BUS 250	Employee and Labor Relations	3
BUS 260	Labor Law	3
# BUS 270	Employee Health and Safety	3
		<u>15</u>
	Total credits required	30

See BUS course descriptions on page 158.

Coordinator: Dr. William M. Griffin, Ext. 3579

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C306F	HUMAN RESOURCE MANAGEMENT	52 1001
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
5	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 1,154.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	\$1400.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
113111	Compensation and Benefits Managers	http://www.onetonline.org/link/summary/11-3111.00
113121	Human Resource Managers	http://www.onetonline.org/link/summary/11-3121.00
113131	Training and Development Managers	http://www.onetonline.org/link/summary/11-3131.00
131071	Human Resources Specialists	http://www.onetonline.org/link/summary/13-1071.00
131075	Labor Relations Specialist	http://www.onetonline.org/link/summary/13-1075.00
131141	Compensation, Benefits and Job Analysis Specialists	http://www.onetonline.org/link/summary/13-1141.00
131151	Training and Development Specialists	http://www.onetonline.org/link/summary/13-1151.00
251011	Business Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1011.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Independent Building Contractor

Curriculum C235A

Designed to provide the basic and advance skills and knowledge to go into business as an independent building contractor. The degree also is a gateway to a variety of applied careers in the construction and remodeling industries. Students will receive hands-on training in trades like carpentry, plumbing, and interior finishing, as well as obtain the financial and business knowledge to become a small business owner. Students will learn the state codes, laws, regulations and safety requirements for these activities. In addition to the possibility of developing a small business as an independent building contractor, graduates could enter an apprentice training program in a trade or work as a facility maintenance technician in residential and small commercial buildings.

Upon completion of this degree, students will be able to:

- Read and understand blueprint drawings
- Follow all building codes and safety procedures
- Demonstrate proper plumbing techniques
- Learn and apply state codes, laws, regulation and proper use of safety tools
- Understand and use sustainable building products
- Demonstrate proper construction techniques
- Demonstrate proper interior wall preparation
- Estimate small construction projects
- Understand the financial and human resources need to own a business

Associate in Applied Science Degree

Semester One		Credit Hours
ARC 102	OSHA 10-Hour Construction Training	1
BUS 107◇	Microsoft Office in Business Applications	3
IBC 100	Introduction to Independent Building Contracting	1
IBC 105	Carpentry: Rough Carpentry	3
# MAT 102◇	Liberal Arts Mathematics	3
# RHT 101◇	Freshman Rhetoric & Composition I ²	3
		14

Semester Two		Credit Hours
ARC 103	Universal Building Codes	3
ARC 107◇	Construction Print and Specification Reading	3
BUS 150◇	Principles of Management	3
ENT 104◇	Electricity Fundamentals	3
IBC 110	Plumbing: Fixtures, Valves and Faucets	3
IBC 205	Carpentry: Finished Carpentry	3
		18

Semester Three

BUS 136◊	Entrepreneurship I	3
ENT 201	Residential Wiring: Installation & Repair	3
IBC 210	Plumbing: Installation and Repair	3
# IBC 230	Interior Preparation: Paints & Wallpaper	3
PSC 150◊	American National Politics	3
SPE 101◊	Principles of Effective Speaking ²	3
		18

Semester Four

ARC 258◊	Construction Cost Estimating	3
BUS 102◊	Small Business Accounting	3
# BUS 137◊	Entrepreneurship II	3
HTH 281◊	First Aid & CPR	2
HUM 124◊	Professional Ethics	1
# IBC 250	Integrated Sustainable Construction Practices	4
		16
Total credits required for graduation		66

See ARC course descriptions on page 150, IBC course descriptions
See Humanities General Education requirements on page 86.

¹MAT 102◊ meets the Science and Mathematics general education requirement.

²Students intending to transfer are encouraged to complete all three courses: RHT 101◊, RHT 102◊ and SPE 101◊ to meet university requirements.

³ARC 210◊ meets the Humanities/Fine Arts requirement.

Coordinator: Jo Beth Halpin, Ext. 3601

Nursing

(See Nursing on page 140 in the Selective Admission Health Program section)

Ophthalmic Technician

(See Ophthalmic Technician on page 143 in the Selective Admission Health Program section)

Radiologic Technology

(See Radiologic Technology on page 144 in the Selective Admission Health Program section)

Personal Trainer Certificate

Curriculum C336A

Provides the educational background specific to individuals pursuing job opportunities within the Sport and Fitness industry. The curriculum provides a basic foundation needed to analyze human body functions and the means to train the body to achieve the highest level of performance prepares the individual with the knowledge and skills for certification testing and accreditation by certifying boards (i.e., American College of Exercise). Job opportunities include personal trainer and/or positions available at fitness locations (i.e., health clubs, hospital fitness centers, corporate fitness centers, etc.).

Program prerequisite: Students must have current CPR certification or must have completed HTH 281◊ or HTH 181◊ prior to enrolling in this program.

		Credit Hours
Semester One		
	BIS 101◊	<i>Human Biology or</i>
#	BIS 103◊	<i>Introduction to Human Physiology</i>
	HTH 104◊	Science of Personal Health
	HTH 120◊	Principles of Nutrition
	PED 153◊	Foundations of Exercise
	PED 195◊	Introduction to Sport Management
		15
Semester Two		
	PED 168◊	Theory and Practice of Weight Training
	PED 200◊	Introduction to Biomechanics
#	PED 210◊	Exercise, Testing and Prescription
#	PED 230◊	Sport & Exercise Science Practicum
	SPE 101◊	Principles of Effective Speaking
		Electives
		3
		15
Total credits required		30

Suggested electives (3):

	HTH 175◊	Drug & Alcohol Education	3
	HTH 220◊	Athletic Training Techniques	3
	HTH 221◊	Sport Specific Rehabilitation and Training	3
	PED	Activity courses (numbered 150 and below ¹)	1-3
	PED 159◊	Selected Team and Recreation Sports	4
#	PED 189◊	Water Safety Instructor	2
	PED 194◊	Principles of Coaching	3
	PED 196◊	Sport and Exercise Psychology	3
	PED 197◊	Sociology of Sport	3
#	PED 198◊	Lifeguarding	1
	PED 275◊	Facilities Management	3
	PED 296◊	Special Topics in Physical Education	0.5-4
#	PSY 207◊	Health Psychology	3

See PED course descriptions on page 207.

¹A maximum of three credit hours will be granted towards the certificate.

Chairperson: Julianne Murphy, Ext. 3087

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C336A	PERSONAL TRAINER CERTIFICATE	31 0505
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
8	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
291128	Exercise Physiologists	http://www.onetonline.org/link/summary/29-1128.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

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Surgical Technology

(See *Surgical Technology Certificate on page 144 in the Selective Admission Health Program section*)

Visual Communication—Graphic Design

Curriculum C248C

Offers students an opportunity to acquire specific skills in the diverse industry of Visual Communication-Graphic Design. The associate's degree program provides background in art and design theories, typography and layout, print, Web and multimedia. Computer skills are developed through design, projects using software, including Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Dreamweaver and others.

Qualified individuals may find employment in advertising agencies, art departments and media studios. Typical job titles include: Graphic Designer, Web Page Artist, Commercial Artist and Photo-Manipulation Artist.

Associate in Applied Science Degree

Semester One		Credit Hours
	ART 119◇ Two-Dimensional Design	3
#	RHT 101◇ Freshman Rhetoric & Composition I	3
	VIC 100◇ Graphic Design	3
	VIC 104◇ Computer Art I	3
	General education/Humanities	3
	Program electives	3
		18

Semester Two

SPE 101◇	Principles of Effective Speaking	3
VIC 121◇	Introduction to Quark InDesign	4
VIC 142◇	Introduction to Illustrator	4
VIC 161◇	Introduction to Photoshop	4
VIC 172◇	Web Page Design	3
		18

Semester Three

HTH 104◇	<i>Science of Personal Health</i> or	
HTH 281◇	<i>First Aid & CPR</i>	2
VIC 162◇	<i>Digital Photography</i> or	
VIC 163◇	<i>Digital Studio Photography</i>	3-4
#	VIC 202◇ Graphic Design Typography	4
#	VIC 242◇ Advanced Layout and Illustration	4
#	VIC 261◇ Advanced Photoshop	4
		17-18

Semester Four

#	VIC 282◇ Portfolio Design and Production	4
	HIS 151◇ <i>History of the U.S. to 1877</i> or	
	PSC 150◇ <i>American National Politics</i> or	
	SSC 190◇ <i>Contemporary Society</i>	3
	General education/Mathematics and/or Science	3
	Program electives	6-9
		16-19
	Total credits required for graduation	69-73

See *VIC course descriptions on page 218*.

Program electives (9-12): Any ART or VIC course

Coordinator: Lorette Dodt, Ext. 3519

Visual Communication—Graphic Design Certificate

Curriculum C348C

Offers students an opportunity to acquire skills in diverse industry of Visual Communication-Graphic Design. The certificate program provides background in art and design theories, typography and layout, print, Web, and multimedia. Computer skills are developed through design, projects using software including Adobe Photoshop, Adobe Illustrator, Adobe In Design, Adobe Dreamweaver and others.

Qualified individuals may find employment in advertising agencies, art departments and media studios. Typical job titles include: Graphic Designer, Web Page Artist, Commercial Artist and Photo-Manipulation Artist.

Semester One		Credit Hours
	ART 119◇ Two-Dimensional Design	3
	VIC 100◇ Graphic Design	3
	VIC 104◇ Computer Art I	3
	Program electives	3
		12

Semester Two

VIC 121	Introduction to Quark InDesign	4
VIC 142	Introduction to Illustrator	4
VIC 161	Introduction to Photoshop	4
VIC 172	Web Page Design	3
		15

Semester Three

VIC 162	<i>Digital Photography</i> or	
VIC 163	<i>Digital Studio Photography</i>	3-4
# VIC 202	Graphic Design Typography	4
# VIC 242	Advanced Layout and Illustration	4
# VIC 261	Advanced Photoshop	4
		15-16

Semester Four

# VIC 282	Portfolio Design and Production	4
	Program electives	6-9
		10-13

Total credits required 52-56

See VIC course descriptions on page 218.

Program electives (9-12): Any ART or VIC course

Coordinator: Lorette Dodt, Ext. 3519

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C348C	VISUAL COMMUNICATION- GRAPHIC DESIGN & GRAPHIC ARTS CERTIFICATE	50 0401
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 4,218.00	\$ 2,020.00	\$ 6,238.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
4	50	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251121	Art, Drama and Music Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1121.00
271021	Commercial and Industrial Designers	http://www.onetonline.org/link/summary/27-1021.00
271024	Graphic Designers	http://www.onetonline.org/link/summary/27-1024.00
271027	Set and Exhibit Designers	http://www.onetonline.org/link/summary/27-1027.00
271029	Designers, All Other	http://www.onetonline.org/link/summary/27-1029.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Visual Communication—Digital Media Certificate

Curriculum C448U

Offers students foundation skills in digital media for Web, video, animation and photography as applied to interactive work. Computer skills are developed through design projects using software, including Adobe Photoshop, Adobe Dreamweaver, Adobe Flash, Final Cut and the application of digital cameras. Qualified individuals may find entry-level employment in business, media agencies and education. Career paths are expanding in the field of digital media with the growth of technology in all fields of employment.

Typical job titles include: Entry-level: Media Specialist, Web Designer, Flash Animator, Videographer and Photographer Assistants.

Upon successful completion of the Digital Media Certificate, the student will be able to:

- Adhere and apply to all copyright, licensing, model and legal rights to all images.
- Demonstrate critique techniques to assess student work verbally and in writing.
- Demonstrate effective written and verbal communication skills.
- Demonstrate the ability to edit, print and store images in a computer and photographic specific software.
- Demonstrate the ability to create, edit and store video material.
- Apply photography design, production and client specifications to photographic images.
- Demonstrate the ability to create, edit and store Web-based materials to Web pages and Web sites.
- Demonstrate the ability to create and edit Web-based materials in Cascading Style Sheets (CSS).
- Demonstrate the ability to create, edit and store animation materials to Web pages and Web sites.
- Demonstrate and apply photographic concepts to video productions.
- Demonstrate the ability measure and adjust for various location lighting conditions.
- Apply time management skills by beginning and finishing practical projects on time. This will be measured by practical exams given throughout the program.
- Create a Web-based portfolio.
- Present a final digital portfolio for assessment of creativity and skills.

Semester One	Credit Hours	
VIC 161	Introduction to Photoshop	4
VIC 162	Digital Photography	3
VIC 172	Web Page Design	3
VIC 285	Digital Video	3
		13

Semester Two

# VIC 272	Advanced Web Page Design	3
VIC 273	Flash Animation	3
# VIC 286	Advanced Digital Video	3
VIC 288	Video Editing	4
		13

Total credits required 26

See VIC course descriptions on page 218.

Coordinator: Lorette Dodt, Ext. 3519

Digital Photography

Curriculum C249C

Digital Photography offers students an opportunity to acquire specific skills in the creation of photographic images for fine art and commercial use. The associate's degree program provides background in art and design theories, photographic composition, studio portrait and product photography, photographic production and marketing of images for Web and multimedia. Computer skills are developed through photographic projects using Adobe software, including Photoshop, Bridge, Lightroom, Illustrator, Dreamweaver, Final Cut and others. Qualified individuals may find employment as freelance photographers and in photographic studios.

Upon successful completion of the Digital Photography Associate Degree, the student will be able to:

- Adhere and apply to all licensing, model and legal rights to photographic images.
- Demonstrate critique techniques to assess student work verbally and in writing.
- Demonstrate effective written and verbal communication skills.
- Demonstrate the ability to edit, print and store images in a computer and photographic specific software.
- Demonstrate the ability to operate professional photography camera and studio equipment.
- Apply photography design, production and client specifications to photographic images.
- Identify significant historical events in photography and the social and artistic impact of the events.
- Identify significant photographers from history and their contribution to photography as an art or method of mass communication.
- Demonstrate and apply photographic concepts to video productions.
- Demonstrate the ability to measure and adjust for various location lighting conditions.
- Demonstrate proficiency in studio lighting set-up and application.
- Create a printed portfolio of photographic images to meet the individual goals of the student.

- Create a Web gallery and digital portfolio of photographic images.
- Apply time management skills by beginning and finishing practical projects on time. This will be measured by practical exams given throughout the program.
- Present a final digital and printed portfolio for assessment of creativity and skills.

Associate in Applied Science Degree

Semester One		Credit Hours
ART 119	<i>Two-Dimensional Design</i> or	
VIC 100	<i>Graphic Design</i>	3
# RHT 101	Freshman Rhetoric & Composition I	3
VIC 104	Computer Art I	3
VIC 161	Introduction to Photoshop	4
VIC 162	Digital Photography	3
		16

Semester Two		Credit Hours
SPE 101	Principles of Effective Speaking	3
VIC 160	<i>History of Photography</i> ¹ or <i>General education/Humanities</i>	3
VIC 163	Digital Studio Photography	4
VIC 172	Web Page Design	3
# VIC 265	Photography Production	3
		16

Semester Three		Credit Hours
HTH 104	<i>Science of Personal Health</i> or	
HTH 281	<i>First Aid & CPR</i>	2
# VIC 261	Advanced Photoshop	4
# VIC 263	Advanced Digital Studio Photography	4
# VIC 264	Advanced Digital Photography	3
VIC 285	Digital Video	3
		16

Semester Four		Credit Hours
# VIC 282	Portfolio Design and Production	4
HIS 151	<i>History of the U.S. to 1877</i> or	
PSC 150	<i>American National Politics</i> or	
SSC 190	<i>Contemporary Society</i>	3
		General education/Mathematics and/or Science
		Program electives
		6-9
		16-19

Total credits required for graduation 64-67

See VIC course descriptions on page 218.

Program electives (9-12): Any ART or VIC course

¹Course cannot be used to fulfill Humanities general education requirement.

Coordinator: Lorette Dodt, Ext. 3519

Digital Photography Certificate

Curriculum C3480 (formerly C4480)

For individuals interested in specializing in digital photography. Digital studio photography and compositional photography, as well as image manipulation techniques and basic video production are covered. Recommended for students wanting to apply digital photography skills to in-house photography positions or free lance photography.

Semester One	Credit Hours
VIC 104◊ Computer Art I	3
VIC 161◊ Introduction to Photoshop	4
VIC 162◊ Digital Photography	3
VIC 163◊ Digital Studio Photography	4
VIC 285◊ Digital Video	3
	17
Semester Two	
# VIC 261◊ Advanced Photoshop	4
# VIC 264 Advanced Digital Photography	3
# VIC 265 Photography Production	3
Program electives	3
	13
Total credits required	30

See VIC course descriptions on page 218.

Program electives (3): VIC 172◊, VIC 286◊, VIC 296◊

Coordinator: Lorette Dodt, Ext. 3519

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C3480	DIGITAL PHOTOGRAPHY	50 0401
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
1	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 2,890.00	\$ 1,154.00	\$ 4,044.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
2	30	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251121	Art, Drama, and Music Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1121.00
271021	Commercial and Industrial Designers	http://www.onetonline.org/link/summary/27-1021.00
271024	Graphic Designers	http://www.onetonline.org/link/summary/27-1024.00
271027	Set and Exhibit Designers	http://www.onetonline.org/link/summary/27-1027.00
271029	Designers, All Other	http://www.onetonline.org/link/summary/27-1029.00

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For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Layout and Design Certificate

Curriculum C448W

Introduction to layout and design of printed materials including logo development, marketing pieces and newsletters. Basic design, typography and production techniques are covered. Current Adobe software for photo manipulation, graphic design and page layout is used in the development of course projects.

Semester One	Credit Hours
VIC 100◊ Graphic Design	3
VIC 121◊ Introduction to Quark InDesign	4
VIC 142◊ Introduction to Illustrator	4
VIC 161◊ Introduction to Photoshop	4
	15
Semester Two	
# VIC 202◊ Graphic Design Typography	4
# VIC 242◊ Advanced Layout and Illustration	4
# VIC 282◊ Portfolio Design and Production	4
	12
Total credits required	27

See VIC course descriptions on page 218.

Coordinator: Lorette Dodt, Ext. 3519

Selective Admission Health Programs

The Board of Trustees accepts that the fields of Nursing and Allied Health, because of their importance to the welfare of all society, must have selective admission requirements.

Programs identified below have selective admission policies. Specific admission, progression, retention and graduation requirements and/or policies supersede general college policies in the catalog and student handbook.

Nursing:

- Associate Degree Nursing (ADN)
- Practical Nurse Exit Option (LPN)
- License Practical Nurse to Associate Degree Nurse
- Upward Mobility Track
- Nurse Assistant (NAS)

Allied Health:

- Diagnostic Medical Sonography (DMS)
- Nuclear Medicine Technology (NUM)
- Ophthalmic Technician (OPH)
- Radiologic Technology (RAS)
- Surgical Technology (SRT)

The following programs do not employ selective admission policy and require the same standards as other college programs:

- Emergency Management (EMP)
- Emergency Medical Technician-Basic (EMS)
- EMS First Responder (EMS)
- Eye Care Assistant (EYE)
- Fire Science Technology (FIR)

Selective Requirements for Nursing and Allied Health

Admission procedure for Nursing and Allied Health programs:

1. Submit to the Office of Admission
 - a. A completed Triton College Application.
 - b. An official transcript of high school graduation or GED certificate. Neither a high school diploma or GED certification is required for admission into the **Nurse Assistant program**.
 - c. An official transcript of completed college course work.
 - d. Documentation of completed program prerequisites for the Diagnostic Medical Sonography, Nuclear Medicine Technology, Nursing and Radiologic Technology program(s). All required math and science courses and courses in program majors will be considered only if completed within the last five years with a grade of "C" or better.
2. Attend an information session for the program of interest is highly recommended.
3. Take college placement tests for math, reading and writing; except when college transcripts show successful

completion of college-level Math (within the last five years) and English courses. Take the pre-entrance test for Nursing. The Admission Committee of the specific program determines acceptable scores.

4. Receive acceptance letters from the Admission Committee of the specific program chosen. Priority is given to qualified in-district residents. The Admission Committee of each program establishes criteria for program acceptance. Admission is based on completion of program prerequisites, when required, and ranking on a rating scale. Points are given for grades in completed course work for prerequisites, general education and support courses, and Science courses taken in high school or college. For admission into selected Allied Health programs points may also be given for documented/related health care experiences. The Nursing program requires a minimum 2.5 cumulative GPA for college-level program prerequisites (RHT 101, PSY 100 and BIS 136 or BIS 240). Points for admission into the Nursing program are based on GPA for college-level program prerequisites, pre-nursing admission test scores completed prior to Jan. 1, 2012 within five years and admissions test scores completed after Jan. 1, 2012 within three years of admission, and previous college academic history. We now accept TEAS scores within three years of admission into the program. The ASSET will remain five years.
5. Attend orientation and registration session.
6. Students who are unsuccessful in completing the PN or RN standardized comprehensive nursing exam may enroll in NUR 095 for Practical Nurse certificate or AAS degree completion.
7. Part-time students may complete program prerequisites and general education requirements before seeking admission into Nursing or Allied Health programs. Students are expected to seek advising to plan course work each semester.
8. Students who were admitted to the Practical Nursing or Associate degree Nursing program(s) prior to fall 2000 and were later terminated may be considered for admission into the first semester of the Nursing program provided they have completed all program prerequisites. The Nursing department, in collaboration with the student, will develop a remediation plan prior to admission. The plan will include completion of NUR 105 with a grade of "B" or better. Ongoing remediation may be required if admission is granted into NUR 130. **No advanced placement will be offered.**
9. Submit a completed physician's history and physical form with required documentation of functional physical condition and required immunizations, and proof of valid health insurance to the college Health Services prior to the **first clinical course**. (The Nursing and Nurse Assistant program(s) require that all documentation be complete **prior to the first day of the first class**.) **Nursing and selected Allied Health students must meet CPR requirements prior to entry into the clinical setting.** Continued health insurance coverage and documentation of valid health

status is the responsibility of the student and **must be maintained throughout the period of enrollment in any Health Career program.** Students are responsible for any incurred medical expenses. Additional health requirements, and other requirements, such as criminal background checks, may be needed to comply with clinical agency policies.

Note: Any applicant to the clinical portions of Health Career programs who is afflicted with epilepsy or any other condition that causes loss of consciousness or otherwise may impair his/her ability to perform will furnish the office of the Dean of Careers programs with a verified statement from a licensed physician to the effect that the applicant's condition does not pose a direct health or safety threat or significant risk to the student, patients, hospital staff or others in the Health Career program or clinical facility. In addition, the applicant will agree to remain under the care of a physician and follow treatment as prescribed.

Furthermore, each applicant's physician must report immediately to the college any change in the applicant's ability to function safely in the clinical portion of the program. Any default in this agreement will constitute cause for the removal of the student from the clinical portion of the program.

Advanced Placement

1. Proficiency examinations, if available, for beginning courses, must be taken before enrollment in the course according to specific departmental or program requirements and subject to approval by the dean.
2. Clinical proficiency examinations may be required prior to acceptance of credits for clinical courses.
3. All program requirements for acceptance to selective admission programs will be required of the student applying for advanced placement.
4. The Admission Committee of the specific program, using established program criteria, will evaluate requests for advanced placement on an individual basis.
5. Advanced placement students are admitted only after currently enrolled students have been placed.

Transfer Students

1. Transfer students must complete admission procedure for Health Career programs no later than 30 days prior to the semester in which they seek admission.
2. All required Math and Science courses and courses in program majors will be considered only if completed within the last five years with "C" grades or better. Comparable achievement in terms of course objectives and content must be documented.

Progression and Retention

1. A minimum grade-point average of 2.0 is required for progression in all programs.
2. A "C" grade or better within five years of the start of the program is required for progression in **all required** Science, Math and major Health-Career courses to count towards graduation requirements.

3. All clinical components or clinical courses must be completed with a minimum grade of "P," "C" or "S," regardless of theory grade.
4. Students admitted to the Nursing program are allowed to repeat only one course in each of the 100 and 200 level NUR courses following withdrawal or earning a failing grade ("D" or "F"). A failing grade, or withdrawal from a repeated course, or any subsequent NUR course in the same level (100 or 200) will result in termination from the program making the student ineligible for readmission or graduation from the same program. Students in the Nursing program achieving a "D", "F" or "W" (withdrawal) in any Nursing course and who are seeking readmission will develop a remediation plan in collaboration with the Nursing department and meet with the Triton Nursing counselor prior to being considered for readmission. The remediation plan may include completion of NUR 1050.
5. Students who are unsuccessful in completing the PN or RN standardized comprehensive nursing exam may enroll in NUR 095 for Practical Nurse certificate or Associate in Applied Science degree (AAS) completion.
6. A failing grade ("D" or "F") in a repeated Allied Health program course or Public Service program course will result in dismissal or termination from the program, making the student ineligible for readmission or graduation from the same program.
7. Students returning to the clinical following a major illness or delivery must provide written documentation from their physician stating that they may be involved in all clinical activities without physical restrictions.
8. Requirements stated in the catalog at the time of admission or readmission to a Health Career/Public Service program must be met for graduation.
9. Nursing students are required to earn a grade of "C" or better in all general education courses.

Readmission

(for students who withdrew, are repeating a course or were terminated prior to program completion)

1. All students seeking readmission should submit completed "Request for Readmission to a Health Career program" form to the Health Careers information specialist no later than 30 days prior to the start of the semester in which they are seeking readmission. The timeframe may vary by program. Please check with the program coordinator. Students seeking readmission to a nursing course should submit completed 'Request for Re-Admission' form to the nursing chairperson no later than 30 days prior to the semester for which readmission is sought.
2. All students petitioning for readmission will be evaluated and readmitted depending on availability of seats or clinical spaces after currently enrolled students have been placed.
3. Any student who has withdrawn ("W") and/or was terminated twice in a single Health Career/Public Service course will be subject to individual review of academic performance by the program Admission Committee prior to granting of permit to register for the same course.

4. Students seeking readmission into Diagnostic Medical Sonography, Nuclear Medicine Technology, Ophthalmic Technician, Radiologic Technology and Surgical Technology who for any reason have not taken any program specific courses in the two years prior to the readmission date, will be required to retake all previously completed program specific course requirements.
5. Students must complete the nursing program within five years of admission to NUR 130 and within four years of admission into NUR 185.

Diagnostic Medical Sonography

Curriculum C217E

The Diagnostic Medical Sonographer provides patient services using diagnostic ultrasound under the supervision of a physician responsible for the use and interpretation of ultrasound procedures. The Sonographer assists in gathering sonographic data necessary to reach diagnostic decisions.

Diagnostic Medical Sonography (ultrasound) is one of the most recent and fastest-growing medical specialties today. Graduates are employed in medical centers and hospitals. The program provides students with theory and clinical instruction in Diagnostic Medical Sonography, including abdominal and OB/GYN and small parts.

Accredited by the Commission on Accreditation of Allied Health Education programs, 35 East Wacker Dr. Chicago, IL 60601, (651) 731-1582, in cooperation with the Joint Review Committee on Education in Diagnostic Medical Sonography, 2025 Woodlane Dr., St. Paul, MN 55125-2995, (651) 731-1582.

Program prerequisites: One year of high school algebra, biology, chemistry and physics, or college equivalents within the last five years with grades of "C" or better (MAT 055, BIS 101 or BIS 103, CHM 110 or CHM 140). AHL 115 may be used as a prerequisite physics.

Associate in Applied Science Degree

Semester One	Credit Hours
AHL 100	2
AHL 101	1
# BIS 234	6
# DMS 101	3
DMS 106	2
# MAT 103	3
	17

Semester Two

AHL 102	1
# DMS 102	2
# DMS 121	5
# DMS 125	3
# DMS 132	3
HTH 281	2
	16

Semester Three

# DMS 131	3
# DMS 135	2
# DMS 136	2
	7

Semester Four

# DMS 141	4
# DMS 146	3
# DMS 200	2
# RHT 101	3
Electives	2
	14

Semester Five

# DMS 151	4
# DMS 201	3
SPE 101	3
HIS 151	3
PSC 150	3
SSC 190	3
General education/Humanities	1
	14

Total credits required for graduation **68**

See DMS course descriptions on page 172.

See Humanities General Education requirements on page 86.

Note: A minimum grade of "C" is required as a prerequisite for each AHL and DMS course. All Science, Math and AHL coursework must be completed within five years of start of the DMS curriculum.

Suggested electives: AHL 108; PED

¹BIS 234 or MAT 103 meets the Mathematics and/or Science general education requirement.

Coordinator: Debra Krukowski, Ext. 3979, E-mail: dkrukows@triton.edu

Diagnostic Medical Sonography Certificate

Curriculum C317E

The Diagnostic Medical Sonographer performs diagnostic ultrasound procedures under the supervision of a physician. The sonographer collects essential patient data to aid in diagnosis. The program covers basic theory and clinical instruction in sonography, which will provide an avenue for cross-training and multi-competency in allied health. This will make the individual more marketable in many health care agencies that call for multi-competent practitioners. Employment opportunities are excellent in hospitals, medical centers and other health care agencies.

Program prerequisites: In addition to college admission requirements, program admission requirements must be met. The certificate program is open only to registered

radiographers (ARRT). Students also must have completed Anatomy and Physiology with a grade of "C" or better within the last five years. DMS 121 does not fulfill this requirement. Graduation in a Radiology program in the past five years fills the application process requirements.

Semester One		Credit Hours
# DMS 101	Ultrasound Physics I	3
# DMS 121	Cross-sectional Anatomy	5
# DMS 125	Abdominal Sonography	3
# DMS 141	Clinical Applications II	4
		15
Semester Two (Summer)		
# DMS 102	Ultrasound Physics II	2
# DMS 132	Obstetrical/Gynecologic Sonography	3
# DMS 135	Ultrasound Film Critique	2
		7
Semester Three (Fall)		
# DMS 146	Pathology & Diagnostic Sonography	3
# DMS 151	Clinical Applications III	4
# DMS 200	Principles of Computerized Sonography	2
# DMS 201	Sonographic Specialties	3
		12
Total credits required		34

See DMS course descriptions on page 172.

Coordinator: Debra Krukowski, Ext. 3979, E-mail: dkrukows@triton.edu

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C317E	DIAGNOSTIC MEDICAL SONOGRAPHY CERTIFICATE	51 0910
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
10	2	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 3,613.00	\$ 1,443.00	\$ 5,056.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
3	34	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251071	Health Specialties Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1071.00
292032	Diagnostic Medical Sonographers	http://www.onetonline.org/link/summary/29-2032.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Nuclear Medicine Technology

Curriculum C217B

Nuclear Medicine uses small amounts of radioactive materials to diagnose and treat patients. The Nuclear Medicine technologist administers the radiopharmaceutical and images the area or organ of interest to detect the gamma radiation being emitted. The scanners used for imaging, whether a gamma camera or a positron emission tomography (PET) detector are integrated with computers to provide detailed images showing function and anatomy. Some procedures are acquired simultaneously in conjunction with a computerized tomography (CT) study to create PET/CT and SPECT/CT images. Graduates of the program are employed as entry-level technologists in variety of settings from hospitals, clinics and medical imaging centers anywhere in the United States.

This two-year associate's degree program at Triton is the only one of its kind offered by an Illinois community college.

Accredited by the Joint Review Committee on Educational programs in Nuclear Medicine Technology, 2000 W. Danforth Road, Suite 130, #230, Edmond, OK, 73003; (405) 285-0546. Website: www.jrcnmt.org.

Graduates qualify for the Nuclear Medicine Technology Certification Board and the American Registry of Radiologic Technology, Nuclear Medicine Registry examinations.

Program Prerequisites:

- Must score 4 or better on reading and writing placement exam or course equivalency, PHY 100, General Physics, and MAT 110, College Algebra. Completion of the Math and Physical Science prerequisite must not be more than five years old. In place of MAT 110, students can score at level 8 on Triton's math placement test in the past two years. All coursework must be completed with a grade of 'C' or better.

Associate in Applied Science Degree

Semester One		Credit Hours
AHL 102	Ethics & Law for Allied Health	1
# BIS 240	Human Anatomy & Physiology I ¹	4
# CHM 110	Fundamentals of Chemistry ²	4
# NUM 100	Science of Nuclear Medicine	3
# NUM 103	Radiation Safety and Protection	2
		14
Semester Two		
AHL 120	Comprehensive Medical Terminology	3
# BIS 241	Human Anatomy & Physiology II ¹	4
HTH 281	First Aid & CPR	2
# NUM 140	Instrumentation in Nuclear Medicine	5
# NUM 155	Patient Care in Nuclear Medicine	2
		16

Semester Three		
# NUM 160	Nuclear Medicine Procedures I	3
# NUM 161	Applied Nuclear Medicine Technology I	2
# NUM 181	Applied Nuclear Medicine Technology II	2
	General-education/Humanities	1-3
		8-10
Semester Four		
# NUM 260	Nuclear Medicine Procedures II	3
# NUM 261	Applied Nuclear Medicine Technology III	4
# NUM 262	Nuclear Medicine Pharmacy I	2
# NUM 265	Principles of PET for Nuclear Medicine	2
# RHT 101	Freshman Rhetoric & Composition I	3
		14
Semester Five		
# NUM 280	Nuclear Medicine Procedures III	3
# NUM 281	Applied Nuclear Medicine Technology IV	4
# NUM 282	Nuclear Medicine Pharmacy II	2
# NUM 285	Principles of CT for Nuclear Medicine	1
SPE 101	Principles of Effective Speaking General education/Social & Behavioral Sciences	3
		16
	Total credits required for graduation	68-70

See NUM course descriptions on page 202.

See Humanities General Education requirements on page 86.

See Social and Behavioral Sciences General Education requirements on page 86

¹BIS 240 and BIS 241 must be taken in succession.

²CHM 110 meets the Mathematics and/or Science general education requirement.

Coordinator: Susan Campos, Ext. 3655; E-mail: scampos2@triton.edu

Nursing

Curriculum C218A Nursing, Associate Degree

Curriculum C317D Nursing, Practical

Triton's Nursing program provides students with a basic knowledge of nursing theory and practice, humanities, and social and biological sciences. Clinical experiences are provided in a variety of settings. Graduates earn an associate in applied science degree and qualify to sit for the National Council Licensing Examination (NCLEX) for the registered nurse. Students may choose to sit for the NCLEX for the practical nurse after successful completion of the first two semesters of the program and NUR 190. Students are required to achieve a satisfactory score on a standardized comprehensive nursing exam prior to graduation with a Practical Nursing certificate or associate in applied science degree. Students who are unsuccessful in completing the PN or RN standardized comprehensive nursing exams, during enrollment in NUR 190 or NUR 290, may enroll in NUR 095 for Practical Nurse certificate or Associate in Applied Science degree (AAS) completion. Candidates for the PN and RN-NCLEX are required by law to meet fingerprinting requirements, submit to a criminal background check and report conviction of any criminal offenses as part of the licensure application process. The program is approved by the Illinois Department of Financial and Professional Regulation, 100 West Randolph, Suite 9-300, Chicago, IL 60601, (312/814-4500). It is accredited by the National League for Nursing Accrediting Commission, 3343 Peachtree Road NE, Suite 850, Atlanta GA 30326 (800/669-1656), Web site: www.nlnac.org.

Admission is determined by a point system based on a nursing pre-entrance test, GPA for college level prerequisite courses (RHT 101, PSY 100, and BIS 136 or BIS 240), and previous college academic history. Candidates are required to meet CPR, health, criminal background check with no findings, alcohol breath testing and drug screening requirements prior to entry into the clinical setting. Preference is given to candidates who are permanent residents of Triton College's district. Nursing is a selective admission program with preference for admission given to the most highly qualified individuals for the available seats. Nursing courses have a higher tuition rate and fees.

Program prerequisites:

- High school graduation or GED
- Attendance at a Nursing Information Session is highly recommended
- Score of four on college math, reading and writing placement tests
- Acceptable scores on nursing pre-admission test*
- Computer proficiency (word processing, e-mail, Internet use) as evidenced by transcripts, employer documentation, student documentation or completion of CIS 100
- COURSES -- All courses must be completed with grade of "C" or better

One year high school level completed within five years of program entry or one semester college equivalent

Algebra (MAT 055)
 Biology* (BIS 101◊)
 Chemistry* (CHM 110◊ or CHM 140◊)

College Level — Cumulative GPA of 2.5 or better is required for the three college-level course prerequisites. No substitutions.

RHT 101◊
 PSY 100◊
 BIS 136◊ or BIS 240◊

BIS 136◊* or BIS 240◊* must be completed within five years of program entry. The five-year limit for biology may be waived provided BIS 136◊ or BIS 240◊ is taken within five years of program entry. BIS 136◊ or BIS 240◊ may be taken concurrently with first semester nursing courses if entering program within eight months after high school completion. Students entering program within eight months of high school graduation need a minimum 2.5 GPA for Biology, Chemistry, RHT 101◊ and PSY 100◊.

*Students may be admitted pending completion of Introduction to Nursing Academics (NUR 105◊) with a "B" or better if they:

- are admitted based on established criteria on the pre-nursing admission test AND/OR
- earned a "C" grade in the biology, chemistry, anatomy and physiology prerequisites, AND/OR
- graduated from high school within eight months of entry into the Nursing program.
- accepted students are required to complete all health and clinical requirements prior to registration for NUR 130, NUR 135, NUR 145◊, NUR 155◊, NUR 185, NUR 190◊ NUR 225◊, NUR 235◊, NUR 245◊, NUR 255◊ and NUR 290◊

Pre-Admission Semester		Credit Hours
# BIS 136◊	<i>Functional Human Anatomy I</i> or	
# BIS 240◊	<i>Human Anatomy and Physiology I</i> ¹	4
PSY 100◊	Introduction to Psychology	3
# RHT 101◊	Freshman Rhetoric and Composition I	3
		<hr/>
		10

Semester One		Credit Hours
# EDU 206◊	Human Growth and Development	3
# NUR 130	Promoting Adaptation I	4
# NUR 135	Promoting Adaptation II	5
		<hr/>
		12

Semester Two		Credit Hours
# BIS 137◊	<i>Functional Human Anatomy II</i> or	
# BIS 241◊	<i>Human Anatomy & Physiology II</i>	4
# NUR 145◊	Nursing Care of Individuals with Commonly Recurring Adaptation Problems I	5
# NUR 146◊	Pharmacology in Nursing I	1
# NUR 155◊	Nursing Care of Individuals with Commonly Recurring Adaptation Problems II ²	5
# NUR 156◊	Pharmacology in Nursing II	1
		<hr/>
		16

Summer Session³ (optional)

Semester Three		Credit Hours
# BIS 122◊	Introductory Microbiology	4
# NUR 225◊	Promoting Adaptation: Chronic Health Problems	4
# NUR 235◊	Promoting Adaptation: Psychosocial and Rehabilitation Problems	4
SOC 100◊	Introduction to Sociology	3
		<hr/>
		15

Semester Four		Credit Hours
# NUR 245◊	Promoting Adaptation: The Childbearing/Childrearing Family	4
# NUR 255◊	Promoting Adaptation: Acute Health Problems	4
# NUR 285◊	Professional Nursing Career Development	2
# NUR 290◊	Leadership in the Management of Patient Care	2
SPE 101◊	Principles of Effective Speaking	3
	General education/Humanities	3
		<hr/>
		18

Total credits required for graduation with Associate's degree 71

All program requirements must be completed with a grade of "C" or better.

LPN Exit Option -- C317D

Program prerequisites		
Pre-Admission Semester		10
Semester One		12
Semester Two		16
# NUR 190◊	Preparation for the Practical Nurse Role	4
		<hr/>

Total credits required for graduation with certificate 42

¹BIS 136◊ and BIS 137◊ may be substituted by BIS 240◊/BIS 241◊ sequence. Students must complete both courses within the same sequence.

²NUR 155◊ meets the health/fitness general education requirement.

³Students may opt to enroll in NUR 190◊ in the summer session and return for semester three and four.

All program requirements must be completed with a grade of "C" or better.

See Special Requirements for Selective Admission Health programs section on page 136, which apply to the Nursing program.

LPN to Associate Degree Upward Mobility

Program Prerequisites listed above *

Additional Prerequisites: Illinois LPN license

Semester One		Credit Hours
# BIS 136	Functional Human Anatomy I or	
# BIS 240	Human Anatomy and Physiology I ¹	4
# BIS 137	Functional Human Anatomy II or	
# BIS 241	Human Anatomy & Physiology II	4
# EDU 206	Human Growth and Development	3
# NUR 146	Pharmacology in Nursing I ⁴	1
# NUR 156	Pharmacology in Nursing II ⁴	1
# NUR 185	Transition from LPN to AD Student ⁵	5
PSY 100	Introduction to Psychology	3
# RHT 101	Freshman Rhetoric & Composition I	3
		24

⁴LPNs who have completed State of Illinois approved pharmacology course or equivalent will petition to receive credit for NUR 146 and NUR 156 upon completion of NUR 185.

⁵LPNs will petition to receive credit for NUR 130, NUR 135, NUR 145, and NUR 155 upon completion of NUR 185.

*Students may be admitted pending completion of Introduction to Nursing Academics (NUR 105) with a "B" or better if they:

- are admitted with pre-determined score on the pre-nursing admission test AND/OR
- earned a "C" grade in the Biology, Chemistry, Anatomy and Physiology prerequisites.

Program Requirements:

Semester Three	15
Semester Four	18

All program requirements must be completed with a grade of "C" or better.

See NUR course descriptions on page 203.

See Humanities General Education requirements on page 86.

See Special Requirements for Selective Admission Health programs section on page 136, which apply to the Nursing program

Chairperson: TBA, Ext. 3427

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C317D	NURSING, PRACTICAL	51 1613
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
3	0	NA

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 4,336.00	\$ 1,732.00	\$ 6,068.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
4	42	NA

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Nurse Assistant Certificate

Curriculum C417E

Designed to prepare qualified individuals to work as nursing assistants in long-term care facilities (nursing homes), home health settings and hospitals, under the direction of a registered nurse. The course of study (165 hours of training) provides opportunities to acquire knowledge and skills used by nursing assistants.

Upon successful completion of the Nurse Assistant program requirements, the graduate receives a certificate and becomes eligible to take the Illinois Nurse Aide Test which is required for certification by the Illinois Department of Public Health (IDPH). Upon certification by the IDPH, the student may opt to take NAS 102 for additional education in home health.

Approved by the Illinois Department of Public Health, 525 W. Jefferson St., Springfield, IL 62761, (217) 785-5133.

Students must be 16 years of age. A GED or high school diploma is not required.

Program prerequisites:

- Take the college placement test and score 4 on the reading portion. Students receiving a 3 on the placement test must be enrolled concurrently with a reading class.
- Ability to speak and understand English as determined by designated staff
- A correct and valid U.S. Social Security Number (SSN) is required for participating in the program. An ITIN number is a tax processing number issued by the IRS. It usually begins with the number 9 and has a 7 or an 8 as the fourth digit; this number is **not** allowed per Illinois Department of Public Health (IDPH).
- The Health Care Worker Background Check Act has been amended to require a fingerprint background check on all students. The fee for the fingerprinting will be approximately \$29.50. A certified vendor through IDPH will come to the campus to do the fingerprinting. Payment will be made payable in the form of a money order only. This process will reduce the need for students to be fingerprinted multiple times throughout their health career.

Semester One		Credit Hours
NAS 100◇	Basic Nurse Assistant	6
# NAS 101◇	Nurse Assistant: Care of Patients With Alzheimer's	1
Total credits required		7

Optional Course:

# NAS 102◇	Introduction to Home Health Nursing Aide	2
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See NAS course descriptions on page 202.

Coordinator: Sandra Bowling, Ext. 3828; E-mail: basicnurseassistant@triton.edu

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C417E	NURSE ASSISTANT CERTIFICATE	51 1614
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
74	20	0.387

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 723.00	\$ 289.00	\$ 1,012.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
1	7	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Ophthalmic Technician

Curriculum C217I

Ophthalmic Technology is a rapidly expanding field with a growing demand for qualified technicians.

The ophthalmic technician, under the direct supervision of an ophthalmologist, assists in direct and indirect patient care. Includes case histories, visual acuity measurement, visual field testing, refractometry, contact lenses, instrument maintenance and assisting the doctor with minor ophthalmic surgery.

Accredited by the Commission on Accreditation of Ophthalmic Programs (CoA-OP), 2025 Woodlane Dr., St. Paul, MN 55125-2998, (651) 731-7237, e-mail CoA-OMP@jcahpo.org. Employment opportunities in the field are excellent due to an increase in the number of support personnel employed by ophthalmologists and a rising demand for eye-care services.

Associate in Applied Science Degree

Semester One		Credit Hours
AHL 100◇	Introduction to Patient Care	2
AHL 101◇	Essentials of Medical Terminology	1
BIS 101◇	Human Biology ¹ or	
# BIS 136◇	Functional Human Anatomy I ¹	4
OPH 112◇	Ocular Anatomy and Physiology	3
# OPH 114◇	Ophthalmic Optics	3
# RHT 101◇	Freshman Rhetoric & Composition I	3
	General education/Humanities	1
		17

Semester Two		Credit Hours
AHL 102◇	Ethics and Law for Allied Health	1
AHL 103◇	Basic Pharmacology for Allied Health	1
OPH 113◇	Ophthalmic Dispensing I	2
# OPH 120◇	Basic Visual Examination	2
# OPH 121◇	Visual Field Examination	2
# OPH 130	Ocular Pharmacology	2
SPE 101◇	Principles of Effective Speaking	3
	Electives	4
		17

Semester Three		Credit Hours
# OPH 122◇	Retinoscopy and Refractometry	2
PSY 105◇	Personal Applications of Psychology	3
		5

Semester Four		Credit Hours
HTH 281◇	First Aid & CPR	2
# OPH 230◇	Practicum I	3
# OPH 231◇	OPH Seminar I	1
# OPH 232◇	Contact Lenses	3
# OPH 237◇	Integrated Science for Ophthalmic Technicians	3
		12

Semester Five		Credit Hours
# OPH 123◇	Ocular Motility Examination	2
# OPH 240◇	Practicum II	3
# OPH 241◇	OPH Seminar II	1
# OPH 243◇	Ophthalmic Therapeutic Procedures	3
# OPH 244◇	Advanced Ophthalmic Procedures	3
# SRT 110	Introduction to Surgical Technology	1
HIS 151◇	History of the U.S. to 1877 or	
PSC 150◇	American National Politics or	
SSC 190◇	Contemporary Society	3
		16
Total credits required for graduation		67

See OPH course descriptions on page 205.

See Humanities General Education requirement on page 86.

Note: Ophthalmic technician courses must be taken according to assigned sequence number.

¹BIS 101◇ or BIS 136◇ meets the Mathematics and/or Science general education requirement.

Coordinator: Debra Baker, Ext. 3442; E-mail: dbaker1@triton.edu

Radiologic Technology

Curriculum C217C

Radiologic technologists operate X-ray equipment to perform diagnostic examinations ordered by a patient's physician.

Two-year program that offers classroom, a digital technology college laboratory and clinical site experiences at various Chicago metropolitan area hospitals.

Employment opportunities exist in hospitals, clinics and medical imaging centers.

Accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Dr., Suite 900, Chicago, IL 60602-2901, (312) 704-5300. Graduates qualify for the National Registry Examination given by American Registry of Radiologic Technologists (ARRT) and Illinois licensure.

Program prerequisites include:

- Level "004" proficiency on college placement tests in reading and writing or course equivalency.
- Level "006" proficiency on college placement test in Math or completion of MAT 085 or higher.
- *BIS 136◊ or *BIS 240◊
- AHL 120◊
- College placement test scores within the last two years and prerequisite courses must be within the last 5 years. All coursework must be completed with a grade of "C" or better.

Associate in Applied Science Degree

Semester One	Credit Hours
AHL 102◊ Ethics and Law for Allied Health	1
AHL 103◊ Basic Pharmacology for Allied Health	1
# RAS 100 Radiology Patient Care	2
# RAS 111◊ Radiographic Anatomy & Positioning I	2
# RAS 114◊ Basic Radiation Protection	2
# RAS 115◊ Imaging Production	2
# RAS 150◊ Applied Radiologic Technology I	3
# RHT 101◊ Freshman Rhetoric & Composition I	3
	16

Semester Two

# AHL 107◊ Venipuncture & I.V. Administration	1
# BIS 137◊ <i>Functional Human Anatomy II</i> or	
# BIS 241◊ <i>Human Anatomy & Physiology II</i>	4
# RAS 117◊ Fundamentals of Radiation	3
# RAS 122◊ Radiographic Anatomy & Positioning II	2
# RAS 124◊ Radiation Instrumentation	1
# RAS 125◊ Radiological Health	2
# RAS 160◊ Applied Radiologic Technology II	3
	16

Semester Three

# RAS 170◊ Applied Radiologic Technology III and IV	4
	4

Semester Four

# RAS 232◊ Radiographic Anatomy & Positioning III	2
# RAS 243◊ Digital Radiography	1
# RAS 253◊ Special Radiologic Procedures	1
# RAS 280◊ Applied Radiologic Technology V	4
SPE 101◊ Principles of Effective Speaking	3
General education/Humanities	1-3
General education/Social & Behavioral Sciences	3
	15-17

Semester Five

HTH 281◊ First Aid & CPR	2
Computer Science electives:	
BUS 107◊ <i>Microsoft Office in Business Applications</i> or	
# CIS 100◊ <i>introduction to Computer Systems</i> or	
CIS 101◊ <i>Introduction to Computer Science</i>	1-3
# RAS 242◊ Radiographic Anatomy & Positioning IV	2
# RAS 260◊ Radiologic Pathology	2
# RAS 290◊ Applied Radiologic Technology VI	6
	13-15

Semester Six

# RAS 278◊ Radiologic Seminar	4
	4
Total credits required for graduation	68-72

See RAS course descriptions on page 213.

See Humanities General Education requirement on page 86.

See Social and Behavioral Sciences General Education requirements. on page 86

*BIS 136◊ and BIS 137◊ may be substituted by BIS 240◊/BIS 241◊ sequence. Students must complete both courses within the same sequence.

Note: All coursework must be completed with a grade of "C" or better.

Coordinator: Pamela Harmon, Ext. 3980; E-mail: pharmon@triton.edu

Surgical Technology Certificate

Curriculum C317C

Prepares the student to help the surgeon, anesthesiologist and the registered nurse with patient care in the operating room, and in auxiliary areas, such as central supply and the delivery room. Surgical technologists work under the supervision of the registered nurse in the operating room. They most often function in the scrub role, but their responsibilities may include a variety of duties before, during and after surgery.

The program includes theory, laboratory and clinical components. Students receive supervised experience in surgery, recovery room, delivery room and central supply in several cooperating area hospitals.

A variety of employment opportunities exist in hospitals, medical centers, surgical centers and other health care agencies. The U.S. Bureau of Labor Statistics has targeted surgical technology as one of the 10 top occupations for job growth over the next decade.

Accredited by the Commission on Accreditation of Allied Health Education programs, 35 East Wacker Drive, Suite 1570, Chicago, IL 60601, (312) 553-9355, in cooperation with the Accreditation Review Committee on Education in Surgical Technology, 7108-C South Alton Way, Suite 150, Englewood, CO 80112-2106, (303) 694-9262. Graduates qualify for the National Certification examination given by the Liaison Council on Accreditation for the Surgical Technologist or the Association of Surgical Technologists.

Semester One	Credit Hours
BIS 190◊ Anatomy & Physiology for Allied Health Majors	4
# SRT 110 Introduction to Surgical Technology	7
# SRT 120◊ Surgical Procedures I	5
# SRT 122◊ Applied Surgical Procedures I	2
	18
 Semester Two	
AHL 101◊ Essentials of Medical Terminology	1
PSY 105◊ Personal Applications of Psychology	3
# SRT 130◊ Surgical Procedures II	3
# SRT 132◊ Applied Surgical Procedures II	3
# SRT 140◊ Surgical Procedures III	3
# SRT 142◊ Applied Surgical Procedures III	3
	16
 Semester Three	
CIS 100◊ Introduction to Computer Systems	1
# SRT 160◊ Surgical Seminar	1
# SRT 162◊ Surgical Procedures IV	3
	5
Total credits required	39

See SRT course descriptions on page 218.

Coordinator: Natasha Morris, Ext. 3563;
E-mail: nmorris2@triton.edu

Gainful Employment

The information below is provided to assist students in making informed choices about their education and career.

Curriculum	Curriculum Title	CIPS Code
C317C	SURGICAL TECHNOLOGY CERTIFICATE	51 0909
# of Graduates	# of Graduates Completing On-Time	% Completing On-Time
29	13	44.8

Avg. Program Tuition Cost	Avg. Program Book Cost	Total Program Costs*
\$ 3,252.00	\$ 1,299.00	\$ 4,551.00
Program Length in Semesters	Program Credit Hours	Median Loan Debt
3	39	\$0.00

SOC Code	SOC Description (Associated Program Occupation(s))	Occupational Summary (ONET webpage)
251071	Health Specialties Teachers, Postsecondary	http://www.onetonline.org/link/summary/25-1071.00
292055	Surgical Technician	http://www.onetonline.org/link/summary/29-2055.00

*Estimated Costs of Attendance may vary on an individual basis, as not all students may require Room & Board, Transportation and/or other variable costs.

For more information about Gainful Employment, visit the Triton College Financial Aid Office, located in the Student Center Building, Room B-216W, or send an Email to: finaid@triton.edu.

Course Descriptions



Courses listed in this section are offered in university-transfer and career-education programs. (Continuing education courses are listed in a separate brochure.) Courses are arranged numerically within each discipline.

Within each description, information is arranged in this sequence:

- Course code and numbering:
- 001-099 are college success courses that include content and skills prerequisite to college-level course work.
- 100-299 are courses designed primarily for career preparation that are applicable to AAS (associate in applied science) degree programs and career certificates. (Some courses may transfer to particular four-year colleges or universities and be applicable to specific majors.)
- 100-299∅ symbolized courses: Additional information on page 39.
- Number of semester hours of credit
- Course title
- Course description, which includes a general statement of the course objectives as well as materials, procedures and topics to be covered.
- Prerequisite or corequisite courses, if any are required (no mention of prerequisites indicates none is required). Students may petition for waiver of course prerequisites/corequisites if they believe they have comparable experience or completed course work with similar content. Counselors can assist in this process.
- Number of class hours expected for lecture or classroom practice and/or laboratory experience each week.
- Any applicable fee
- Code number of approved Triton College course by Illinois Articulation Initiative (IAI)

IAI Codes

IAI Codes for the General Education Core

- C - Communication
- M - Mathematics
- P, LP* - Physical Science
- L, LP - Life Science
- H*, HF - Humanities; Humanities/Fine Arts;
- F* - Fine Art
- S* - Social & Behavioral Science
- *Represents a number 1-9

IAI Code Suffixes for the General Education Core

- D - Diversity
- L - Lab
- N - Non-Western
- R - Research Paper

IAI Codes for Baccalaureate Majors

- AG - Agriculture
- BIS - Biological Science
- BUS - Business
- CHM - Chemistry
- CRJ - Criminal Justice
- CS - Computer Science
- EGL - English
- EGR - Engineering
- HST - History
- IND - Industrial Technology
- MC - Mass Communication
- MTH - Mathematics
- PHY - Physics
- PLS - Political Science
- PSY - Psychology
- TA - Theater Arts

Students should check their curricula to determine the recommended semesters for registering for a particular course; some courses may be canceled because of insufficient enrollment or for other reasons, and students will then need to consult with a counselor for adjustments in their programs.

Counseling services, as detailed in the Student Information section of this catalog, are available to every student. Students who plan to apply Triton College credits toward a degree offered by four-year colleges should consult their counselor for assistance in planning their programs.

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Accounting Courses

ACC 100◇ Basic Accounting I

3 credits

The nature of accounting, development and use of accounts, books of original entry, controlling accounts, financial statements, adjusting entries, and accounting for purchase and sale of merchandise.

Lecture: 3 hours

ACC 101◇ Financial Accounting

3 credits

Foundation course required for further study of accounting. Principles and concepts of financial accounting, the accounting cycle, inventory valuation, the perpetual inventory system, valuing plant assets and depreciation and introduction to corporate accounting. Recommended for students with better than average academic ability or for students who have previously completed ACC 100◇ or a course in bookkeeping.

Lecture: 3 hours — IAI: BUS 903

ACC 103◇ Basic Accounting II

3 credits

Continuation of Basic Accounting, covers basic accounting for accounts receivable and bad debts, notes receivable and notes payable, merchandise inventory, plant assets, accruals and deferrals, voucher systems, payroll accounting, partnerships and corporations.

Prerequisite: ACC 100◇

Lecture: 3 hours

ACC 105◇ Managerial Accounting

3 credits

Managerial accounting procedures and practices, which provides information that is used by managers for internal decision making. The statement of cash flows, cost behavior analysis and use, job-order costing, process costing cost-volume-profit relationships, contribution approach to costing, budgeting, standard costs, relevant costs of decision making, and capital budgeting.

Prerequisite: ACC 101◇

Lecture: 3 hours — IAI: BUS 904

ACC 151◇ Intermediate Accounting I

3 credits

In-depth study of generally accepted and alternative accounting principles underlying financial statements. Emphasis is placed on the asset section of the balance

sheet and the effects of asset amortization on the income statement.

Prerequisite: ACC 105◇

Lecture: 3 hours

ACC 152◇ Intermediate Accounting II

3 credits

Continuation of Intermediate Accounting I. Emphasis is placed on the liability and owners' equity sections of the balance sheet, income statement, statement of changes in financial position, and other accounting topics such as leases and pensions.

Prerequisite: ACC 105◇

Lecture: 3 hours

ACC 156◇ Tax Accounting

3 credits

Practical study of current federal and Illinois state income taxes as they relate to individual income tax procedures.

Prerequisite: ACC 103◇ or ACC 105◇

Lecture: 3 hours

ACC 157◇ Principles of Auditing

3 credits

Study of auditing principles and accepted procedures, including the preparation of working papers and an audit report on a practice audit case.

Prerequisite: ACC 103◇ or ACC 105◇

Lecture: 3 hours

ACC 166◇ Cost Accounting

3 credits

The advanced study of cost accounting procedures and practices as used by managers in decision making. The application of various costing systems (process costing, job-order costing and standard costing), cost-volume-profit analysis and operational and capital budgeting.

Prerequisite: ACC 105◇

Lecture: 3 hours

ACC 296◇ Special Topics in Accounting

0.5-3 credits

Selected topics in the area of accounting will be taught. Topics relating to current trends and techniques will be discussed. Topics will vary from semester to semester and will be available in the current class schedule. Course may be repeated once when the topics are different.

Lecture: 0.5-3 hours

Laboratory: 0-6 hours

Allied Health Courses

AHL 100◇ Introduction to Patient Care

2 credits

Students are introduced to the health care delivery system and patient care concepts. Emphasis is placed on organization and delivery of health care services, professionalism, communication skills, basic patient-care and assessment skills, infection control, and patient and employee safety in a medical environment. (formerly Introduction to Health Care)

Lecture: 1.5 hours

Laboratory: 1 hour

(course fee required)

AHL 101◇ Essentials of Medical Terminology

1 credit

An introductory course to medical terminology adapted so individuals with little or no previous exposure to the medical field can acquire a basic understanding of medical terms. The key concepts of prefixes, suffixes and root word formation as applied to body systems and diagnostic and surgical procedures will be covered.

Lecture: 1 hour

AHL 102◇ Ethics and Law for the Allied Health

1 credit

This course explores day-to-day legal and ethical considerations arising through work in the allied health professions. Such issues as orderly conflict resolution in the workplace, exposure to civil liability and problems created by advanced life support technology are covered.

Lecture: 1 hour

AHL 103◇ Basic Pharmacology for Allied Health

1 credit

Acquire the basic knowledge essential to administration of medication and care of patients using medications for diagnostic and therapeutic procedures.

Lecture: 1 hour

AHL 107◇ Venipuncture & I.V. Administration

1 credit

Principles and techniques of venipuncture and I.V. administration are presented. Emphasis is on skill development utilizing commonly used equipment and supplies in health-care

agencies. (formerly Venipuncture)

Prerequisite: Admission to a Health Career program or currently working in Allied Health

Lecture: 0.5 hour

*Laboratory: 1 hour
(course fee required)*

AHL 108◇ Electrocardiography

1 credit

Provides instruction in electrocardiography, including preparation of a patient, proper set-up and operation of equipment, and mounting of electrocardiogram tracings. The student will learn to count heart rate and recognize the characteristics of normal rhythm and basic arrhythmias.

Lecture: 0.5 hour

*Laboratory: 1 hour
(course fee required)*

AHL 110◇ Medical Coding and Office Procedures

2 credits

Introduction to medical office procedures including practice systems, patient reception, telephone techniques, appointment management, records management and insurance processing. A strong emphasis on CPT coding and ICD0-9-CM is provided.

Lecture: 2 hours

AHL 115◇ Introduction to Imaging Physics

1 credit

This course is designed to introduce basic physical principles and their quantities. Mechanics and its dealings with motion will be discussed. The various types of energy and waves, as well as their relationships to each other, will give the student a basic concept of these physical principles. Units of measurements and their conversions also will be discussed. An introduction to the various imaging modalities and their principles will be covered.

Lecture: 1 hour

AHL 120◇ Comprehensive Medical Terminology

3 credits

Terminology utilized in health care settings will be covered. The body system approach relating common terms to structure, function, pathologies, and diagnostic and surgical procedures is employed. Emphasis is placed on

building vocabulary and spelling skills through the use and analysis of prefixes, suffixes and root words.

Lecture: 3 hours

AHL 200◇ Basic Nutrition and Health

1 credit
Basic nutritional principles are covered with application to the physiologic needs of the individual. Emphasis is on the major nutrient groups and their utilization in the body for growth and health throughout the lifecycle.

Lecture: 1 hour

AHL 201◇ Introduction to Diet and Nutritional Therapies

1 credit

Nutritional management and diet therapies in the rehabilitative process of the top five disease groups in the United States are discussed. Nutritional regimes are examined to promote effective and wise choices in the selection of a diet therapy.

Prerequisite: AHL 200◇

Lecture: 1 hour

AHL 205◇ Fundamentals of Instruction for Allied Health Workers

3 credits

Leadership personnel in Allied Health disciplines are often required to prepare, deliver, and evaluate short educational offerings. In addition, supervisors may find themselves responsible for instruction and performance appraisal of students or new employees undergoing in-house training. This course is designed to prepare Allied Health workers to design, deliver and evaluate short educational programs. Techniques of performance appraisal also are covered. Practice teaching in an Allied Health discipline is included in the course activities. Formal peer, student, and faculty evaluation of learner's classroom skills also will be employed.

Prerequisite: Enrollment in or graduate of an Allied Health curriculum, or consent of instructor

Lecture: 3 hours

Anthropology Courses

ANT 101◇ Introduction to Anthropology

3 credits

Discover basic concepts and research conclusions from archaeology, linguistics, cultural anthropology and physical anthropology used to trace the biological and cultural evolution of humankind.

Lecture: 3 hours— IAI: S1 900N

ANT 102◇ Introduction to Physical Anthropology

3 credits

An introduction to human origins and the fossil record, human variation and adaptation, race and the emergence of civilization is provided.

*Lecture: 3 hours— IAI: S1 902
(course fee required)*

ANT 103◇ Introduction to Cultural Anthropology

3 credits

Learn about the nature of culture, encompassing social organization, technology, economics, religion and language as seen among contemporary, primitive and preliterate peoples.

Lecture: 3 hours— IAI: S1 901N

ANT 105◇ Introduction to Archaeology

3 credits

Survey of archaeological concepts, research and methods for study of prehistoric cultures are covered. Includes rise and development of modern civilization, current archaeological investigations, interpretations of finds and introduction to field work techniques.

Lecture: 3 hours— IAI: S1 903

ANT 150◇ Cultural Contexts

3 credits

Discuss the use of ethnographic readings to study how people live in non-Western societies. Topics include culture and culture change, the life cycle and sex roles, interpersonal relations, economics and politics and problem-solving strategies in a cultural context.

Lecture: 3 hours— IAI: S1 904D

ANT 201◇ North American Indians

3 credits

Survey the social organization, culture, technology, religion, literature, art and problems of prehistoric, historic and contemporary North American Indians.

*Lecture: 3 hours***ANT 275◇ Anthropology of Religion**

3 credits

A cross-cultural analysis of religion and the supernatural, including belief systems and relationships between religion and other sociocultural institutions, with an emphasis on non-Western societies are covered.

*Lecture: 3 hours***ANT 296◇ Special Topics in Anthropology**

3 credits

Topics and problems in anthropology through readings, discussion, guided research and field trips are discussed. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

*Lecture: 3 hours***Architecture Courses****ARC 102 OSHA 10-Hour Construction Training**

1 credit

Recognize and prevent hazards on a construction site in accordance with OSHA 10-hour training guidelines.

*Lecture: 1 hour**(course fee required)***ARC 103 Universal Building Codes**

3 credits

Examines the International Building Code, Fire Code, Residential Code and Zoning Ordinances.

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***ARC 107◇ Construction Print & Specification Reading**

3 credits

Reading and understanding construction documents (drawings and specifications) used for bidding and construction of both residential and commercial buildings. (formerly COT)

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***ARC 109◇ Architectural Drafting Fundamentals**

2 credits

Proper use of manual drafting equipment in preparing accurate and readable architectural and interior design drawings, using scales, drawing geometric shapes, orthographic projection and pictorial drawings including isometric projection, obliques.

*Lecture: 1 hour**Laboratory: 2 hours**(course fee required)***ARC 110◇ Wood and Masonry Construction Technology**

5 credits

An introduction to wood and masonry construction and residential- working drawings, including floor plans, foundation plans, wall sections, building sections, site plan, electrical and plumbing drawings. Building codes, zoning ordinances, building materials and systems will be studied. Rough carpentry framing, finish carpentry and masonry construction trade skills will be taught.

*Prerequisite: ARC 109◇ or ARC 189◇**Lecture: 3 hours**Laboratory: 6 hours**(course fee required)***ARC 120◇ Steel Construction Technology**

5 credits

Construction drawings for a small steel-framed industrial building, including floor plans, wall sections, elevations, metal pan stairs, reflected ceiling plans, structural steel roof-framing plans, shop drawings and spread, pile- and caisson-foundation drawings will be covered. Drawings will all be done on AutoCAD. Steel framing and erection, metal deck installation, and welding trade skills will be taught.

*Prerequisite: ARC 110◇**Lecture: 3 hours**Laboratory: 6 hours**(course fee required)***ARC 130◇ Concrete Construction Technology**

5 credits

Students study the design process, structural engineering, specification writing and codes while preparing an abbreviated set of architectural, structural and mechanical construction documents for a concrete framed building. Concrete

mixing, forming and pouring trade skills will be taught.

*Prerequisite: ARC 110◇**Lecture: 3 hours**Laboratory: 6 hours**(course fee required)***ARC 140◇ MEP Construction Technology**

5 credits

Students complete a partial set of mechanical, electrical, plumbing and fire protection construction documents for a commercial building. Mechanical, electrical, plumbing and fire protection fabrication and installation trade skills will be taught.

*Prerequisite: ARC 110◇**Lecture: 3 hours**Laboratory: 6 hours**(course fee required)***ARC 146◇ Construction Contract Documents**

3 credits

A study of standard written legal documents used in management of building construction projects, such as General Conditions of the Contract. Supplementary Conditions, Specifications, Performance Bonds, Request for Interpretation, Change Orders, Waivers of Lien and Certification of Insurance. (formerly COT 142)

*Lecture: 3 hours**(course fee required)***ARC 161◇ Residential Interior Design**

3 credits

An introductory course in the interior design of residential spaces. The functional, financial, social and aesthetic aspect of home and its furnishings are studied through studio work in evaluation of house and apartment plans and selection and arrangement of furnishings. The elements and principles of interior design are studied. Selection of furniture, color, materials, lighting and accessories are covered, along with an introductory look at kitchen and bath design. (formerly INT 160)

*Lecture: 2 hours**Laboratory: 3 hours**(course fee required)*

ARC 171◊ Architectural Design I

3 credits

A beginning studio course in basic design and drawing introducing the aesthetic principles of movement, balance, rhythm, repetition, proportion, scale and sequence, along with sketching and drawing techniques, orthographic projection, axonometric, obliques, perspectives, shades, shadows and models. May be combined with ARC 172◊ (advanced architecture students) in order to be able to learn from other students' efforts, share ideas and learn how to work as a team.

Prerequisite: ARC 109◊ or concurrent enrollment, and ARC 187◊ or concurrent enrollment

Lecture: 1 hour

Laboratory: 5 hours
(course fee required)

ARC 172◊ Architectural Design II

5 credits

A studio course in architectural design using aesthetic principles of movement, balance, rhythm, repetition, proportion, scale and sequence to produce architectural designs of buildings and elements of buildings by means of drawings and models. May be combined with ARC 171◊ (beginning architecture students) in order to be able to learn from other students' efforts, share ideas, and learn how to work as a team.

Prerequisite: ARC 171◊

Lecture: 3 hours

Laboratory: 6 hours
(course fee required)

ARC 187◊ Architectural Drawing and Models

3 credits

Freehand sketching techniques, color perspective rendering techniques and model building techniques.

Lecture: 1 hour

Laboratory: 5 hours
(course fee required)

ARC 189◊ Computer Graphics for Architecture I

3 credits

Computer-Aided Design and Drafting for architects and interior designers focused on 2D techniques with AutoCAD. (formerly Architectural CADD)

Lecture: 1 hour

Laboratory: 4 hours
(course fee required)

ARC 198◊ Architectural Technology & Interior Design Seminar

1 credit

This course is designed to complement the internship by bringing students together each week to discuss various problems and questions arising from on-the-job training. Other topics discussed are employee benefits, job-hunting techniques, savings, investments and various types of insurance.

Prerequisite: ARC 120◊ and concurrent enrollment in ARC 199◊

Lecture: 1 hour

ARC 199◊ Architectural Internship

3 credits

On-the-job training designed to prepare the student to enter an occupation in architecture or related field. Duties are carefully supervised to provide the best learning possible.

Prerequisite: ARC coordinator approval

Laboratory: 6 hours

(course fee required)

ARC 213◊ Residential Kitchen and Bath Design

3 credits

A study of all aspects of residential kitchen and bath design including elements and principles of design, technical applications, materials and construction and the latest products available. (formerly INT 212)

Prerequisite: ARC 161◊ and ARC 171◊

Lecture: 2 hours

Laboratory: 3 hours

(course fee required)

ARC 210◊ Introduction to the History of Architecture

3 credits

Visual and cultural analysis of selected buildings, urban spaces and cities from ancient Greece to modern times. Emphasizes the architectural traditions of Western Civilization, especially as they affect the built environment of America and the Middle West.

Prerequisite: RHT 101◊

Lecture: 3 hours

(course fee required)

ARC 258◊ Construction Cost Estimating

3 credits

Explore cost engineering through detailed presentation of cost estimation and relationship to project-control functions, including scheduling, budgeting, job-cost accounting, job-cost control and

determination of unit prices. Timberline estimating software will be taught. (formerly COT)

Lecture: 3 hours

(course fee required)

ARC 260◊ Computer Graphics for Architecture II

3 credits

Three-dimensional architectural drawing and perspective rendering of buildings, sites and interiors, applying realistic materials, lights, shades and shadows, using AutoCAD and Autodesk 3D Viz, for renderings and animation. Sketchup, Adobe Photoshop and Autodesk Impression software for architectural studies and communication. (formerly Advanced Architectural CADD and Rendering)

Prerequisite: ARC 189◊

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

ARC 261◊ Revit

3 credits

Introduction to Building Information Modeling (BIM) using Revit software. (formerly Building Information Modeling)

Lecture: 1 hour

Laboratory: 5 hours

(course fee required)

ARC 262◊ Revit Production

3 credits

Principles of Building Information Modeling (BIM) for production of bidding and construction documents for architectural and interior design projects using Revit software. (formerly BIM Production)

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

ARC 263◊ Revit Management

3 credits

Application of Building Information Modeling (BIM) management principles in architectural, interior design and construction management firms using Revit software. (formerly BIM Management)

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

ARC 292◇ Site Design and Construction

3 credits

All aspects of site design and construction are presented, including ownership rights, zoning, easements and encroachments, topography, bodies of water, surveying, soil sampling and analysis, soil contamination, excavation, stabilization, compaction, retaining walls, dewatering, grading cut and fill, stormwater management, wetlands regulations, structures, utilities, roads and walks, and safety concerns. (formerly COT 291)

*Lecture: 3 hours***ARC 296◇ Special Topics in Architecture and Interior Design**

0.5-3 credits

Selected topics in the areas of contemporary architecture and interior design are covered. Topics will vary from semester to semester and information will be available during registration. Course may be repeated up to three times when content is different, but only six credit hours can be used to meet graduation requirements.

*Lecture: 0.5-3 hours**(course fee may apply depending on topic)***Art Courses****ART 110◇ Looking at Art**

3 credits

Introductory survey and analysis of the visual arts - painting, sculpture, architecture, photography, print making and crafts - to acquaint non-art majors with basic aesthetic concepts: media, technique, and function, elements of form, genres, stylistic characteristic and expressive qualities, and socio-cultural influences, while examining works from various world and historical cultures presented in a thematic framework.

*Lecture: 3 hours —**IAI: F2 900***ART 111◇ Ancient to Medieval Art**

3 credits

The historical development of the Western tradition in visual arts, focusing on major artistic styles, movements, works of art and monuments. Works are examined as expressions of the ideas, beliefs and practices of artists, cultures and societies through the Gothic period. A cultural analysis of the origins of the art of Western Civilization focusing on the inter-related

fields of painting, sculpture and architecture prior to the fourteenth century.

*Lecture: 3 hours —**IAI: F2 901***ART 112◇ Renaissance to Modern Art**

3 credits

A continuation of ART 111◇. The historical development of the visual arts in the Western Art tradition from the Gothic period through contemporary art, focusing on major artistic styles, movements, works of art and monuments. Works are examined as expressions of the ideas, beliefs and practices of artists, cultures and societies.

*Lecture: 3 hours —**IAI: F2 902***ART 114◇ Survey of Asian Art**

3 credits

Survey the major art forms of India, China and Japan, emphasizing the historical, religious and intellectual contexts of the art from pre-history through contemporary practice.

*Lecture: 3 hours —**IAI: F2 903N***ART 116◇ Color Composition**

2 credits

A study of the physics, physiology, psychology and esthetics of color and its applications.

*Lecture: 1 hour**Laboratory: 2 hours**(course fee required)***ART 117◇ Drawing I**

3 credits

An introduction to the fundamental concepts and techniques of drawing using a variety of black and white media. Includes drawing from observation and invention leading to an interpretation and evaluative approach to drawing. Emphasis on descriptive drawing techniques from geometric and organic objects. Course includes vocabulary development, critical analysis activities and reference to historic models of drawing.

*Laboratory: 6 hours**(course fee required)***ART 118◇ Drawing II**

3 credits

Builds on and refines the experiences of ART 117◇, focusing on a variety of color media. Emphasis is on invention and formal concerns. Explorations into abstraction, non-objective and fabricated

image making are covered in this class.

Course includes vocabulary development, critical analysis activities and reference to historic models of drawing.

*Prerequisite: ART 117◇**Laboratory: 6 hours**(course fee required)***ART 119◇ Two-Dimensional Design**

3 credits

Introduction to two-dimensional design with emphasis on understanding and application of principles and elements.

*Laboratory: 6 hours**(course fee required)***ART 120◇ Three-Dimensional Design**

3 credits

Emphasizes the understanding and application of principles and elements of three-dimensional design. (fall only)

*Prerequisite: ART 119◇**Laboratory: 6 hours**(course fee required)***ART 125◇ Life Drawing I**

3 credits

An introduction to drawing the human figure using a variety of media. Drawings are derived from direct observation emphasizing descriptive drawing techniques of the human figure. Drawing activities should include full figure, features and anatomical differentiation encompassing individual physiognomy. Application of basic drawing techniques in rendering the human figure is covered. Course is offered in combination with ART 126◇, which is similar in content and lab. Students will be working independently during a portion of the course.

*Prerequisite: ART 118◇**Laboratory: 6 hours**(course fee required)***ART 126◇ Life Drawing II**

3 credits

Utilize varied media to study the structure, proportion, and values in a continuation of techniques of rendering the human figure. Course is offered in combination with ART 125◇, which is similar in content and lab. Students will be working independently during a portion of the class.

*Prerequisite: ART 125◇**Laboratory: 6 hours**(course fee required)*

ART 135◇ Ceramics I

3 credits

An introductory studio consisting of both hand and wheel methods of construction. Includes an examination of clay, glaze, decoration methods and firing process. Techniques of ceramics dealing with materials glazing and firing. Course is offered in combination with ART 136◇, which is similar in content and lab. Students will work independently for a portion of each class.

Prerequisite: Art majors: ART 117◇ or ART 119◇; Non-Art Majors: no prerequisite

*Laboratory: 6 hours
(course fee required)*

ART 136◇ Ceramics II

3 credits

Emphasizes refining and improving wheel-throwing and hand-building techniques. Clay and glaze materials and glaze calculations also are covered. Course is offered in combination with ART 135◇, which is similar in content and lab. Students will be working independently for a portion of the class.

Prerequisite: ART 135◇

*Laboratory: 6 hours
(course fee required)*

ART 140◇ Printmaking

3 credits

Introduction to basic techniques in intaglio, serigraphy and relief printing as a fine art and advertising art medium.

Prerequisite: ART 117◇ and ART 119◇ or consent

*Laboratory: 6 hours
(course fee required)*

ART 141◇ Painting I

3 credits

Introduction to materials and techniques of painting in oils and acrylics.

Prerequisite: ART 117◇ and ART 119◇

*Laboratory: 6 hours
(course fee required)*

ART 142◇ Painting II

3 credits

Emphasis is placed on mastering skills and techniques acquired in ART 141◇.

Prerequisite: ART 141◇

*Laboratory: 6 hours
(course fee required)*

ART 151◇ Sculpture I

3 credits

Manipulation, subtraction, addition and substitution techniques with applicable tools and materials involved are presented. Prerequisite may be waived for non-art majors with appropriate backgrounds. (spring only)

Prerequisite: ART 117◇ or ART 119◇

Lecture: 1 hour

*Laboratory: 5 hours
(course fee required)*

ART 210◇ Afro-American Art

3 credits

Historical, philosophical and theoretical foundations of Afro-American art are covered. Included in this course is a critical study of present-day works of Nelson Stevens.

Lecture: 3 hours —

ART 296◇ Special Topics in Art History

3 credits

International topics and problems in art history through readings, discussions, guided research and field trips are presented. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Lecture: 3 hours

Astronomy Courses**AST 100◇ Introduction to Astronomy**

4 credits

An introductory general astronomy course for non-science majors. The material presented in this course will include the following: planetary motion, origin of the solar system, a study of the planets and their moons, the sun, the nature of stars and their evolution, galaxies, and the origin of the universe. Students with prior credit in AST 101◇ or AST 102◇ will not receive credit for AST 100◇.

Lecture: 3 hours —

*Laboratory: 2 hours IAI: P1 906L
(course fee required)*

AST 101◇ Astronomy of the Solar System

4 credits

Survey of the universe, structure and motions of the Earth and moon, planetary motions, physical nature of the planets, comets and meteors, and origin and

evolution of the solar system is presented.

Lecture: 3 hours

*Laboratory: 2 hours — IAI: P1 906L
(course fee required)*

AST 102◇ Astronomy of the Stars and Beyond

4 credits

Learn about star distances, motions dimensions, structure, origin and evolution; atoms and radiation; structure of galaxies (the Milky Way) and the universe.

Lecture: 3 hours

*Laboratory: 2 hours — IAI: P1 906L
(course fee required)*

Automotive Technology Courses**AUT 112◇ Introduction to Automotive Technology**

3 credits

This course provides automotive technology that includes theory and related hands-on experience on live automobiles as a foundation for the advanced auto courses. Instruction includes engine testing and diagnosis, lubricating and cooling system diagnosis and service.

Lecture: 2 hours

*Laboratory: 3 hours
(course fee required)*

AUT 114◇ Fuel Management Systems

4 credits

Fuel systems from fuel storage reservoir through fuel distribution components, including pumps, filters, carburetors, fuel injectors, regulators, return systems, vapor storage, idle speed controls, air temperature and manifold heat-control systems are covered.

Lecture: 3 hours

*Laboratory: 2 hours
(course fee required)*

AUT 127◇ Automotive Electricity & Electronics I

4 credits

Basic electricity and electronics, batteries, instruments and testing methods, automotive wiring schematics, starter systems, charging systems and solid-state ignition systems are presented.

Lecture: 3 hours

*Laboratory: 3 hours
(course fee required)*

AUT 129◇ Automotive Electricity & Electronics II

3 credits

Learn about advanced electronic ignition systems, mechanical spark advance and computer-controlled spark-advance systems; chassis electrical systems and advanced solid-state electronics such as memory devices and computers.

Prerequisite: AUT 112◇ and AUT 127◇

Lecture: 2 hours

Laboratory: 3 hours

(course fee required)

AUT 136◇ Brakes Systems

4 credits

Theory and practice in servicing disc and drum brakes, including the diagnosis and servicing of vacuum and hydraulic-assist units and anti-lock systems are covered.

Prerequisite: AUT 112◇, registration in certificate program

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

AUT 150◇ Automotive Power Plants

5 credits

Procedures necessary to diagnose and repair internal automotive engine systems are covered. Laboratory work consists of disassembly and assembly techniques and the restoring of tolerances. Includes an introduction to future power plant system including Hybrid, Diesel and Fuel Cell technology. (formerly Automotive Power Plant Overhaul and Rebuilding)

Prerequisite: AUT 112◇

Lecture: 3 hours

Laboratory: 6 hours

(course fee required)

AUT 226◇ Engine Performance & Diagnosis

5 credits

This course covers the use of oscilloscopes and infrared equipment for diagnosis. Special emphasis placed on testing and servicing of electronic engine-control systems and emission-control devices.

Prerequisite: AUT 112◇ and AUT 127◇

Lecture: 3 hours

Laboratory: 4 hours

(course fee required)

AUT 230◇ Computerized Engine Controls

5 credits

Computerized engine-control systems, including CCC, EEC IV and O2 feedback are discussed. Detailed instruction on the use of electronic testing equipment used in diagnosis of these systems. Other topics covered include electronic fuel injection and turbo-chargers.

Prerequisite: AUT 226◇

Lecture: 4 hours

Laboratory: 3 hours

(course fee required)

AUT 240◇ Steering, Suspension & Alignment

4 credits

Comprehensive training on steering systems, both power and manually operated, is provided. Suspension repairs, front-end alignment and wheel balancing is stressed.

Prerequisite: AUT 112◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

AUT 275◇ Transmission & Drive Systems

5 credits

Clutches, standard transmissions/transaxles, propeller shafts, drive axles, rear-axle assemblies, basic automatic transmission servicing including theory of operation, diagnosis, maintenance and repair procedures are covered.

Prerequisite: AUT 136◇

Lecture: 3 hours

Laboratory: 6 hours

(course fee required)

AUT 277◇ Advanced Automatic Transmission Repair

5 credits

This course places exclusive emphasis on all phases of automatic transmission/transaxle operation, servicing, repair and rebuilding. Laboratory work deals only with automatic transmission/transaxle diagnosis and repair.

Prerequisite: AUT 275◇

Lecture: 3 hours

Laboratory: 4 hours

(course fee required)

AUT 280◇ Automotive Heating & Air Conditioning Fundamentals

2 credits

Fundamentals of automotive heating and air conditioning, emphasizing the basic air conditioning cycle, servicing, troubleshooting and minor repair of these systems are covered.

Prerequisite: AUT 112◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

AUT 282◇ Advanced Automotive Heating & Air Conditioning

2 credits

Continuation of AUT 280◇, emphasizing the more intricately designed systems. These include electronic sensing units, relays and vacuum controls. Laboratory work includes troubleshooting, repairing and servicing of these systems.

Prerequisite: AUT 280◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

AUT 285◇ Automotive Service Problems

4 credits

Advanced course designed to give automotive majors additional hands-on experience and exposure to a variety of service-related operations and problems in an actual service department atmosphere.

Prerequisite: Completion of two auto courses beyond AUT 112◇ & AUT 127◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

AUT 290◇ Dealership Organization & Management

3 credits

Designed to familiarize automotive dealership service department personnel with the organizational and management structures within the industry. Emphasis is placed on individual department responsibilities to the total organization.

Lecture: 3 hours

(course fee required)

AUT 292◇ Service Department Practices & Procedures

3 credits

Overview of the duties of an automotive service advisor. Special emphasis given to customer relations, diagnosis, repair orders,

selling and advising techniques. Warranty and service-department operations also are covered.

Prerequisite: AUT 290◇

Lecture: 3 hours

AUT 296◇ Automotive Internship I

2 credits

Supervised automotive repair experiences at a selected automotive repair facility. Students participate in various automotive repair and servicing projects that parallel their semester's work at the college. Not all aspects of automotive repair/servicing may be included in each project.

Prerequisite: Admission to the program

Laboratory: 13.0 hours (298 contact hours)

AUT 297◇ Automotive Internship II

2 credits

Supervised automotive repair experience at a selected automotive repair facility. Students participate in various automotive repair and servicing projects that parallel their semester's work at the college. Not all aspects of automotive repair/servicing may be included in each project.

Prerequisite: Admission to the program

Laboratory: 13.0 hours (298 contact hours)

AUT 298◇ Automotive Internship III

1 credit

Supervised automotive repair experiences at a selected automotive repair facility. Students participate in various automotive repair and servicing projects that parallel their semesters work at the college. Not all aspects of automotive repair/servicing may be included in each project.

Prerequisite: Admission to the program

Laboratory: 9.0 hours (149 contact hours)

AUT 299◇ Automotive Internship IV

1 credit

Supervised automotive repair experiences at a selected automotive repair facility. Students participate in various automotive repair and servicing projects that parallel their semester's work at the college. Not all aspects of automotive repair/servicing may be included in each project.

Prerequisite: Admission to the program

Laboratory: 9.0 hours (149 contact hours)

(course fee required)

Basic Addiction Counseling Courses

BAC 100◇ Survey of Psychiatric Rehabilitation

3 credits

The survey course addresses the following themes: understanding psychiatric disability and current approaches to treatment, the mental health system and surrounding legal issues, psychiatric rehabilitation through vocational skills training, and family and community support systems. The orientation of the course is more practical than theoretical, and there is considerable opportunity to observe and practice relevant skills. Consumers serve as guest speakers to highlight issues of empowerment and stigma, and to increase understanding of consumer experiences with the mental health system. This course is appropriate for students planning careers in mental health.

Lecture: 3 hours

BAC 101◇ Introduction to Basic Addiction Counseling

4 credits

This course covers a range of addictions, including both the illegal and legal drugs. Etiology and history of addictions in the United States are discussed, as well as different treatment strategies, including outpatient and residential, individual, group and family therapy. The different support groups are explored including the Twelve Step groups, along with alternative groups.

Lecture: 4 hours

BAC 105◇ Introduction to Recreation

4 credits

Learn about the basic historical foundations of recreation and leisure. Included is an analysis of those factors influencing leisure patterns. The relationship of recreation to other social institutions in light of present individual and societal needs is covered.

Lecture: 4 hours

BAC 110◇ Introduction to Therapeutic Recreation

3 credits

Students address theory, philosophy and historical development of therapeutic recreation service in clinical- and community-based programs. Focus is on the characteristics of special population groups.

Lecture: 3 hours

BAC 115◇ Principles of Recreation

3 credits

Essential elements and basic principles of recreational programming. Emphasis is on leadership processes and methodology.

Lecture: 3 hours

BAC 120◇ Intake Assessment & Treatment Planning

4 credits

Prepares students to utilize basic communication skills to obtain necessary information during the interview for assessing problems associated with alcoholism or addiction. Provides students with a foundation for treatment planning with addicted clients.

Prerequisite: BAC 101◇

Lecture: 4 hours

BAC 200◇ Special Populations & Cultural Considerations in Addictions

3 credits

In-depth look at the effects of culture, ethnicity, religion, gender, age, socioeconomic setting on chemical use and abuse in special population groups. Emphasis will be placed on how these variables impact the addiction-counseling process, including diagnosis, treatment and aftercare.

Prerequisite: BAC 101◇

Lecture: 3 hours

BAC 201◇ Treatment Process in Addictions Counseling

4 credits

Provides an overview of individual and group counseling theories, and their clinical applications. Explores the addictive and recovery process, and allows for the development and practice of individual and group counseling skills specific to the substance abusing/dependent client. Role-playing and videotaping are utilized, as this is a clinical skills class.

Prerequisite: BAC 120◇

Lecture: 4 hours

BAC 204◇ Pharmacology of Psychoactive Drugs

3 credits

This course covers an in-depth pharmacodynamics of drugs and drug groups that are most commonly used and abused. Drug classifications, symptomatology of drug usage, withdrawal and overdose/toxicity are emphasized. Multiple drug usage, associated psychological, social and

environmental impact of drug use and abuse also are included.

Prerequisite: BAC 101 ◊

Lecture: 3 hours

BAC 205◊ Applied Basic Addiction Counseling I

4 credits

Provides students with initial observation and involvement in various treatment centers and agencies. Emphasis is placed in evaluation of student's skills in core functions necessary to clinical skill development in the addiction treatment field.

Prerequisite: BAC 120◊, BAC 200◊, BAC 204◊ and BAC 201◊ or concurrent enrollment in BAC 201◊; *Sophomore standing with GPA of 2.0 or better*

Lecture: 1 hour

Laboratory: 19 hours

(course fee required)

BAC 210◊ Dynamics & Treatment of the Addicted Family

3 credits

Family dysfunction resulting from living with an alcoholic, alcohol abuser and/or drug addict are covered. The major theories and interventions of family therapy will be presented, along with the physiological, sociocultural and psychological implications of substance abuse. Specific treatment strategies include intervention, self-help and continuing care, in addition to couple and family role-play and videotaping.

Prerequisite: BAC 201◊ or concurrent enrollment

Lecture: 3 hours

BAC 215◊ Applied Basic Addiction Counseling II

4 credits

The second of two supervised field-work experiences in various treatment centers and agencies providing direct services to chemically dependent clients. Emphasis is placed on increased responsibility in case management and clinical responsibility.

Prerequisite: BAC 205◊ and minimum GPA of 2.0

Lecture: 1 hour

Laboratory: 19 hours

(course fee required)

BAC 220◊ Prevention & Outreach

3 credits

System of delivery of information, education and motivational impact strategies directed toward target groups in given communities is presented.

Prerequisite: BAC 201◊

Lecture: 3 hours

BAC 296◊ Special Topics in Addictions Counseling

0.5-4 credits

Specials topics in the area of Addictions Counseling, which may vary from semester to semester, are provided. Additional information will be available during registration. Course may be repeated up to a maximum of three times (one or two, depending on the specific needs of the program) when content is different, but only a maximum of (or up to) three hours (or less), depending on the specific needs of the program can be used to meet graduation requirements.

Lecture: 0.5-4 hours

Laboratory: 0-8 hours

(course fee required)

Biological Sciences Courses

BIS 100◊ General Biology

4 credits

Survey the life functions and associated structures at the cellular level, plus the study of interactions between biological populations and the environment. (for non-science majors)

Lecture: 2 hours

Laboratory: 4 hours — IAI: L1 900L

(course fee required)

BIS 101◊ Human Biology

4 credits

For non-science majors, this course covers human heredity, growth, development, health and ecology. Human systems are covered as they relate to above topics. How these topics relate to the individual and society will be examined. (formerly Human Biology for Allied Health)

Lecture: 3 hours

Laboratory: 3 hours — IAI: L1 904L

(course fee required)

BIS 102◊ Human Heredity and Society

4 credits

A laboratory course for non-science majors that introduces basic human genetic principles and contemporary issues in biotechnology. Addresses the ethical, political and social implications of biological advances in the area of genetics. Topics include genetic counseling, gene therapy, stem cell research, cloning, forensics, paternity testing, genetic disorders and cancer. (formerly Human Genetics)

Lecture: 2 hours

Laboratory: 4 hours — IAI: L1 906L

(course fee required)

BIS 103◊ Introduction to Human Physiology

4 credits

The study of human organ-systems function and regulations with special emphasis on the molecular and cellular basis of function is provided.

Prerequisite: High school-level biology and chemistry or college equivalents or admission to an Allied Health program; placement at RHT 101◊ level

Lecture: 3 hours

Laboratory: 3 hours

(course fee required)

BIS 104◊ Issues in Modern Biology

4 credits

Lab course emphasizes the study of the human organism with special consideration of new discoveries in biology and medicine, their implications and their impact on society. Topics - covered include the nature of cancer, human heredity and reproduction, the basis of human behavior, organ transplantation and artificial organs, nutrition and exercise, human immune function and biological hazards in the environment.

Lecture: 3 hours

Laboratory: 3 hours — IAI: L1 904L

(course fee required)

BIS 105◊ Environmental Biology

4 credits

Liberal arts course for non-science majors. Study of the biological basis of environmental science and how humans are a powerful influence on the ecosystem. Emphasis on the biological interrelations between natural resources, energy, pollution and human-population dynamics.

May be used to satisfy a lab-science requirement for non-science majors.

Lecture: 3 hours

*Laboratory: 3 hours — IAI: L1 905L
(course fee required)*

BIS 106◇ General Botany

4 credits

Basic principles of plant structure, growth, physiology, reproduction, evolution and distribution are covered. Special emphasis is on the role of the plant kingdom in the cycles of nature and human life. (formerly BIS 111)

Lecture: 3 hours

Laboratory: 3 hours

(course fee required)

BIS 107◇ General Zoology

4 credits

Fundamental principles of the structure, reproduction, ecology and evolution of animals are explored. Special emphasis is placed on their relations to human life. (formerly BIS 112, Elementary Zoology)

Lecture: 3 hours

Laboratory: 3 hours

(course fee required)

BIS 108◇ Biology of Humans

3 credits

For non-science majors. Covers human systems, heredity, growth, development, health and ecology. How these topics relate to the individual and society will be examined.

Lecture: 3 hours — IAI: L1 904

BIS 114◇ Microbes and Society

3 credits

Introductory lecture course, which investigates the properties of life including organization, classification, metabolism, heredity, evolution and ecology using microorganisms. Topics included are a survey of microorganisms, as well as the role of microorganisms in food production, health and disease and biotechnology. Students will not be able to receive credit for both BIS 114◇ and BIS 122◇.

Lecture: 3 hours

BIS 122◇ Introductory Microbiology

4 credits

Introductory Microbiology is designed to investigate the major groups of microorganisms and their impact in the natural world. The morphology,

physiology and clinical aspects of bacteria, fungi, protozoa and viruses will be presented. In the laboratory, the student will learn aseptic technique and the use of the microscope, as well as other tools essential to the microbiologist. Staining and culturing of bacteria is emphasized, and the student will learn how to identify an unknown microorganism.

Prerequisite: High school level biology or chemistry or college equivalents within the last five years; placement at RHT 101◇ level

Lecture: 3 hours

Laboratory: 2 hours — IAI: L1 903L

(course fee required)

BIS 136◇ Functional Human Anatomy I

4 credits

A course for students in Nursing and other Health Careers programs that surveys cells, tissues and the functional anatomy of human organ systems emphasizing basic concepts and their applications and implications for clinical practice. These components are presented using lecture and discussion, laboratory, and clinical problem-solving exercises. Laboratories utilize anatomical models, charts, dissection specimens and cadavers to aid in identification of important anatomical features and also includes experiments illustrating physiological processes.

Prerequisite: High school-level biology or BIS 101◇, and high school chemistry or CHM 110◇

Lecture: 3 hours

Laboratory: 3 hours

(course fee required)

BIS 137◇ Functional Human Anatomy II

4 credits

The course is a continuation of BIS 136◇ and extends the study of the functional anatomy of human organ systems by emphasizing the nature of processes at the molecular, cellular and tissue levels and how imbalances in these processes can lead to organ system dysfunction and clinical consequences in the patient. The components are presented using lecture, discussion, laboratory and a greater emphasis on clinical problem-solving exercises. The laboratories involve methods and techniques having a more direct relationship to clinical procedures and practices.

Prerequisite: BIS 136◇ or equivalent course, with a grade of "C" or better

Lecture: 3 hours

Laboratory: 3 hours

(course fee required)

BIS 150◇ Principles of Biology I

4 credits

Basic concepts in biology for science majors are covered. (formerly BIS 110◇)

Prerequisite: High school-level algebra, biology and chemistry or college equivalents; placement at RHT 101◇ level or permission of instructor

Lecture: 3 hours

Laboratory: 3 hours IAI: L1 900L, BIS 910

(course fee required)

BIS 151◇ Principles of Biology II

4 credits

Second semester course of an introduction to the basic principles of biology with emphasis on the diversity of living organisms, plant and animal physiology, evolution, ecology and behavior.

Prerequisite: High school AP biology or BIS 150◇ and high school chemistry; placement at RHT 101◇ level or permission of instructor

Lecture: 3 hours

Laboratory: 3 hours

IAI: BIS 910

(course fee required)

BIS 190◇ Anatomy & Physiology for Allied Health Majors

4 credits

This course covers structure and function of human organ systems involved in controlling and maintaining the conditions of life.

Prerequisite: Placement at RHT 096 level

Lecture: 4 hours

BIS 200◇ Undergraduate Open Seminar: Biology

3 credits

Current topics in biology in the context of the total culture are discussed. Participants are required to do an independent research project and present a report on a topic of their choice related to the subject of the seminar.

Prerequisite: Any college biology course; placement at RHT 101◇ level

Lecture: 3 hours

Laboratory: Arranged

(course fee required)

BIS 205◇ Field Ecology

3 credits

Plant and animal forms commonly encountered in the study of natural history are covered. Ecological relationships and materials available in the community also are covered.

Prerequisite: Any college biology course; MAT 055 (minimum grade "C" or qualifying score on placement test); placement at RHT 101◇ level

Lecture: 2 hours

Laboratory: 3 hours
(course fee required)

BIS 234◇ Human Anatomy & Physiology

6 credits

This course emphasizes the physiological interrelationships of human systems with clinical implications and applications through a regional anatomical approach.

Prerequisite: Minimum of high school-level biology and chemistry or college-level equivalents; placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 4 hours
(course fee required)

BIS 240◇ Human Anatomy & Physiology I

4 credits

Examines the organization of the human body at the macroscopic and microscopic levels. Human cadavers are used along with a regional anatomical approach to study the location, structure and function of major systems, organs and tissues within the human body. BIS 240◇ and BIS 241◇ meet the anatomy and physiology requirements of university-professional allied health programs. Recommended for students with better-than-average academic ability.

Prerequisite: BIS 101◇ or college-level biology course equivalent with a 'C' or better; RHT 101◇ level

Lecture: 3 hours

Laboratory: 3 hours
(course fee required)

BIS 241◇ Human Anatomy & Physiology II

4 credits

This pre-professional course examines the cellular and molecular levels of human body organization. Emphasis is placed on understanding the homeostatic control mechanisms and systemic interactions

required to maintain health. BIS 240◇ and BIS 241◇ meet the anatomy and physiology requirements of university-professional allied health programs.

Prerequisite: BIS 240◇ or a college course in human anatomy; college chemistry course; placement at RHT 101◇ level

Lecture: 3 hours

Laboratory: 3 hours
(course fee required)

BIS 242◇ Introduction to Human Pathophysiology

3 credits

Underlying molecular mechanisms and causes of altered physiological states in the human body are covered. Major concepts emphasized in the course include maintenance of acid-base and body-fluid balances, oxygenation, neuro endocrine regulation and control, immune defense mechanisms, cardiovascular mechanisms and aging. Critical-thinking and problem-solving techniques will be used to study the interaction of body systems in the development of various diseases states. This course is designed for allied health practitioners and pre-professional students.

Prerequisite: BIS 240◇ and BIS 241◇

Lecture: 3 hours

(course fee required)

Business Courses**BUS 102◇ Small Business Accounting**

3 credits

Practical approach to small business bookkeeping and introduction to QuickBooks software. QuickBooks is designed for the small-to-midsize business owner who enjoys Quicken's ease of use, but prefers a more traditional approach to accounting. Learn how this well-designed program can make it easy to set up a chart of accounts, reconcile your checking account, create and print invoices, receipts and statements, track your payables, inventory and receivables, create estimates and generate reports. An overview of bookkeeping concepts and theories also will be covered.

Lecture: 3 hours

BUS 103◇ Keyboarding Technique

1 credit

Learn proper keyboarding technique for inputting information into a computer. Keyboarding by touch, not sight, will be stressed along with proper fingering for

letters, numbers and symbols. Recommended for any non-typist who uses a computer.

Laboratory: 2 hours

(course fee required)

BUS 104◇ Keyboarding Speed & Accuracy

1 credit

Designed for individuals who want to improve their keyboarding speed and accuracy skills for personal use or employment opportunities. Course materials and structure allow for individual progression in increasing keyboarding ability. Course may be repeated in order to attain desired speed and accuracy goal. Only one credit may count for graduation.

Prerequisite: BUS 103◇ or knowledge of proper touch-typing technique

Laboratory: 2 hours

(course fee required)

BUS 106◇ Introduction to WordPerfect

1 credit

Introduction to WordPerfect with instruction in the creation, formatting and editing of various word processing documents. Keyboarding ability of 20 wpm recommended.

Laboratory: 2 hours

(course fee required)

BUS 107◇ Microsoft Office in Business Applications

3 credits

Introductory course in Microsoft Office utilizing the basic functions of Windows, Internet Explorer, Word, Excel, Access and Powerpoint. (formerly Microsoft Office)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

BUS 112◇ Principles of Finance

3 credits

Facts and principles of financial management and control in relation to business formation, expansion, failure reorganization and liquidation are covered.

Prerequisite: ACC 100◇ or ACC 101◇

Lecture: 3 hours

BUS 113◇ Investments & Securities

3 credits

Learn about basic investment principles. Topics include markets, stocks, bonds, investment funds and insurance. Limitations and uses of each are studied.

Lecture: 3 hours

BUS 114◇ Stock Market Analysis

3 credits

Learn investment opportunities using stocks, options, mutual funds, and tax advantage investments. Emphasis is on evaluating current market conditions and analyzing company reports. Students will be able to formulate investment strategies through lecture and group activities.

Prerequisite: BUS 113◇

Lecture: 3 hours

BUS 116◇ Principles of Insurance

3 credits

Students will understand basic insurance concepts as applied to the needs of consumers and provide business skills as needed in the insurance industry. This course includes material to allow basic understanding of tax saving strategies, laws governing insurance and regulations as required by the state of Illinois.

Lecture: 3 hours

BUS 118◇ Financial Planning

3 credits

Understanding of financial planning and its strategies and concepts. Students will be presented with case analysis, process of identifying objectives, gathering information, analyzing alternatives and creating solutions.

Lecture: 3 hours

BUS 122◇ Business English

3 credits

English fundamentals, punctuation, sentence structure, business vocabulary and spelling are emphasized.

Prerequisite: Placement into RHT 101◇

Lecture: 3 hours

BUS 123◇ Supervisory Safety

3 credits

Accident prevention, reports, housekeeping, machine guarding, protective equipment, job and safety instructions, rules and enforcement, and safety programs and committees are presented. Designed to enhance the occupational safety and health knowledge of the middle manager and first-line supervisor, as well as the hourly employee aspiring to be promoted to a supervisory position.

Lecture: 3 hours

BUS 125◇ Formatting/Proofreading Business Documents

3 credits

Computer and word processing software are used to develop skills in producing business documents, basic formatting of letters, memos, tables, reports, editing and proofreading to help students succeed in any computer-oriented profession. BUS 103◇ or knowledge of proper touch-typing technique is highly recommended when taking computer courses.

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

BUS 127◇ Principles of Marketing

3 credits

Explores the fundamentals of the marketing concept, including product, place, promotion and pricing. Topics covered include the impact of market research, technology, globalization and the role of business and society. Students also will address the role ethics plays in the everyday operations of marketing. (formerly MKT 125)

Lecture: 3 hours

BUS 128◇ Sales Force Management

3 credits

A strategic/consultative selling model that emphasizes the need identification approach in offering solutions to today's customer needs is the central focus. The salesperson will assume the role of a consultant in developing long-term solutions to their clients' needs. Also included is effective management of a professional sales force. (formerly MKT 150, Principle of Sales)

Lecture: 3 hours

BUS 134◇ Introduction to Industrial Hygiene & Occupational Health

3 credits

Fields of industrial hygiene and occupational health topics discussed include terminology, hazard-recognition instrumentation, hazard control and the role of the occupational health professional. The course is designed for individuals who are entering the field of occupational health or are interested in obtaining knowledge of this professional area.

Lecture: 3 hours

BUS 136◇ Entrepreneurship I

3 credits

Practical and theoretical approach to understanding entrepreneurship, with an emphasis on start-up ventures. Focuses on opportunity assessment and feasibility planning.

Lecture: 3 hours

BUS 137◇ Entrepreneurship II

3 credits

Practical and theoretical approach to understanding entrepreneurship, with an emphasis on start-up ventures. Focuses on the creation of a detailed business plan and securing financing for a start-up venture.

Prerequisite: BUS 136

Lecture: 3 hours

BUS 141◇ Introduction to Business

3 credits

Various forms of business organizations, finance, personnel problems, marketing and business-government relations are presented.

Lecture: 3 hours

BUS 146◇ Business Computations

3 credits

Basic mathematics as applied to the problems of business are covered. Topics include application of percentage, cash and trade discounts, mark-up, interest calculations, payroll computations and installment buying.

Lecture: 3 hours

BUS 149◇ Elementary Statistics

3 credits

Tabular and graphical presentation, measures of central tendency and variability, analysis of times series and linear correlation coefficient are covered.

Lecture: 3 hours

BUS 150◇ Principles of Management

3 credits

Learn about the managerial skills in organizing, planning, directing, staffing, controlling, representing and implementing innovations that measure the performance of the organization and managerial strategies.

Lecture: 3 hours

BUS 151◇ Small Business Management

3 credits

Essentials of successful management of a small business are covered. Store location, layout, organization, merchandise control, buying, pricing, advertising, government regulation and labor relations also are discussed. Extensive use is made of materials provided by the U.S. Small Business Administration.

*Lecture: 3 hours***BUS 154◇ Human Relations in Labor & Management**

3 credits

Leadership and human relations techniques are presented on how to interact on a face-to-face basis, understand human needs, motivate and exercise authority in a just and satisfactory manner.

*Lecture: 3 hours***BUS 161◇ Business Law I**

3 credits

Nature and sources of law, resolution of disputes, lawsuits, criminal law, torts and multiple facets of contracts are covered.

*Lecture: 3 hours***BUS 162◇ Business Law II**

3 credits

Corporations, negotiable instruments, real-property law, mortgages, landlord-tenant law, trusts and wills are presented.

*Prerequisite: BUS 161◇**Lecture: 3 hours***BUS 163◇ Legal and Social Environment of Business**

3 credits

A practical course applying civil and criminal procedures in both administrative and court process, including examination and preparation of complaints, the process for filing of documents with administrative agencies and court clerk in both federal and state forms. This study of legal issues relating to business includes an overview of the legal system; introduction to legal analysis; and problem solving.

*Prerequisite: BUS 161◇**Lecture: 3 hours***BUS 171◇ Introduction to Customer Service**

3 credits

Overview course of customer service introduces the student to what customer service is, the skills necessary to achieve it and the rationale for improving it.

*Lecture: 3 hours***BUS 172◇ Problem Solving in Customer Service**

3 credits

Course examines creative problem solving strategies, including negotiation skills and decision-making skills. Included is confronting and managing difficult situations.

*Prerequisite: BUS 171◇**Lecture: 3 hours***BUS 173◇ Excellence in Customer Service**

3 credits

Through the use of case studies, students will apply the principles of customer service beyond the customer's expectations.

*Prerequisite: BUS 172◇**Lecture: 3 hours***BUS 188◇ Business Writing**

3 credits

This course covers the preparation of reports used in business and industry. Emphasis is placed on clear, concise organization and presentation of material. Written and oral presentations, data compilation and basic research are included.

*Prerequisite: RHT 102◇**Lecture: 3 hours***BUS 200◇ Introduction to Human Resource Management**

3 credits

This overview course will include the human resource function as an integral part of top management and will determine skill mix and staffing, and analyze human resource needs. Motivation and leadership also will be covered.

*Lecture: 3 hours***BUS 205◇ Problem Solving for Human Resources**

3 credits

Reviews the knowledge and skills to orient and train employees to be productive. Also discussed are the tasks of management, job management, personnel training and managing human behavior. A review for

the Human Resource Certification Institute's Certification Examination will be completed.

*Prerequisite: BUS 200◇**Lecture: 3 hours***BUS 210◇ Recruitment and Selection**

3 credits

Overview of the recruitment and selection process from the human resource manager and the job applicant perspectives. The focus is on skill building and an understanding of issues including human resources and career management.

*Prerequisite: BUS 200◇ or concurrent enrollment**Lecture: 3 hours***BUS 220◇ Training and Development**

3 credits

Overview of the training/management development process from needs assessment to training design to training evaluation. Identification of the role of training in strategic human resource planning will be discussed.

*Prerequisite: BUS 200◇ or concurrent enrollment**Lecture: 3 hours***BUS 240◇ Compensation and Benefits**

3 credits

Focus on elements of total compensation, including salary administration, performance-based management, executive compensation, qualified retirement benefits and employee assistant plan trends and management.

*Prerequisite: BUS 200◇ or concurrent enrollment**Lecture: 3 hours***BUS 250◇ Employee and Labor Relations**

3 credits

Basic concepts relevant to laws governing labor relations, including recognition of unions in the negotiation and administration of contracts.

*Prerequisite: BUS 200◇ or concurrent enrollment**Lecture: 3 hours*

BUS 260◇ Labor Law

3 credits

Through a study of labor laws, and understanding of the impact of employee rights, training, consumer protection, compensation, benefits, employee and labor relations and health, safety and security will be discussed. Course is designed for human resource professionals, business owners and managers.

*Lecture: 3 hours***BUS 265◇ Medical Transcription**

2 credits

Develop skills in transcribing and formatting medical reports and correspondence. Appropriate for students wishing to find employment in medical or health-related offices. A keyboarding speed of 35 words per minute on a five-minute timing. BUS 122◇ is recommended prior to taking this course.

*Prerequisite: AHL 120◇**Lecture: 1 hour**Laboratory: 2 hours**(course fee required)***BUS 267◇ Records Management**

2 credits

Instruction is given in records-management concepts, as well as manual and electronic filing rules and procedures.

*Lecture: 2 hours***BUS 270◇ Employee Health and Safety**

3 credits

Basic areas of occupational health and safety, history and trends of occupational health and safety and the role of the professional human resource manager are discussed. Included is the OSHA requirements, development of compliance programs, record-keeping and dealing with OSHA inspections.

*Prerequisite: BUS 200◇ or concurrent enrollment**Lecture: 3 hours***BUS 275◇ Principles of Advertising**

3 credits

Advertising involves the understanding of three critical issues to support the marketing communication of the organization. The three critical issues are: the identification of the relevant characteristics of the target audience, the communication of the selling message to that audience via a paid media vehicle, and

the creation of the selling message to support and stimulate or reinforce the purchasing decision. (formerly MKT)

*Lecture: 3 hours — IAI: MC 912***BUS 276◇ Team Building & Negotiations**

3 credits

History of collective bargaining, advanced methods of non-adversarial negotiations and the act of bringing people to consensus and mutual agreement are presented. Included are bargaining patterns and guidelines, strategies and tactics.

*Lecture: 3 hours***BUS 285◇ Project Management**

3 credits

Introduction to the procedures for planning, organizing and managing resources to bring about the successful completion of specific project goals and objectives. Project management software will be utilized.

*Prerequisite: BUS 107◇**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***BUS 289◇ Consumer Behavior**

3 credits

Designed to link the conceptual foundations of consumer behavior with strategic marketing applications. After initially establishing a basic model of consumer decision making as an organizational framework, the students will relate it to strategic applications in key areas, particularly segmentation, positioning and communications. The consumer's psychological, economic and socio-cultural actions and reactions are emphasized, as they relate to a better understanding of consumption. Web-based applications of consumer behavior concepts are covered in detail. (formerly MKT)

*Prerequisite: BUS 127◇ or concurrent enrollment**Lecture: 3 hours***BUS 290◇ Cooperative Work Experience**

1-3 credits

Work experience will integrate classroom theory with on-the-job training related to students' field of study. The college will assist with their job search related to the field of study and/or career interests. Under the supervision of the college and the employer, the student participates in

job-training experiences.

Prerequisite: (1) Completion of 12 college credit hours (two of these courses, in discipline, must be completed); (2) 2.0 G.P.A. ("C" average); and (3) Approval of Cooperative Education Office

*Laboratory: 1-3 hours***BUS 291◇ Cooperative Work Experience**

1-3 credits

Continuation of the first co/op course, BUS 290◇. Students have the option to continue with their previous place of employment or select a different area of concentration related to their field of study. Work experience must go beyond what was learned in the previous co/op class or consist of an entirely different learning experience. Continuous growth of the individual is emphasized.

Prerequisite: (1) Completion of first co-op course (BUS 290◇) with at least a "C" grade; (2) 2.0 G.P.A. ("C" average) and (3) Approval of Cooperative Education Office

*Laboratory: 1-3 hours***BUS 293◇ Global Business**

3 credits

Students will learn to think strategically and apply concepts and tools to the fundamental functions necessary to succeed in a dynamic and highly competitive global marketplace. Students also will be introduced to a higher level of thinking that is used by general managers in operating successful businesses by forming an integrated systems perspective of the organization. Topics include planning and implementing sustainable business practices and discussions will include the competitive advantages of 'going green'. (formerly MKT 290, Global Marketing)

*Prerequisite: BUS 141◇ and BUS 150◇; BUS 127◇ or concurrent enrollment**Lecture: 3 hours***BUS 296◇ Special Topics in Business**

.5-3 credits

Selected topics in the areas of business are provided. Topics vary from semester to semester and information will be available during registration. Course may be repeated when topics are different for a maximum of six credit hours towards graduation.

*Lecture: 0-3 hours**Laboratory: 0-6 hours**(course fee may apply depending on topic)*

Chemistry Courses

CHM 100◇ Chemistry and Society

4 credits

Designed for non-science majors to meet a general education science requirement. Emphasizes practical aspects of chemistry in everyday life. Topics covered include: an overview of chemical reactions, acids and bases, nuclear chemistry, pollution, global warming, energy, polymers, nutrition, medicinal chemistry and environmental chemistry.

Lecture: 3 hours

Laboratory: 2 hours — IAI: P1 903L
(course fee required)

CHM 110◇ Fundamentals of Chemistry

4 credits

This course covers general chemistry with an introduction to organic and biochemistry. Designed for students who are not prepared to enroll in CHM 140◇. It meets chemistry prerequisite for health-careers programs. Transferable as a science elective.

Prerequisite: High school algebra or MAT 055 (Grade of "C" or better)

Lecture: 3 hours

Laboratory: 3 hours — IAI: P1 902L
(course fee required)

CHM 132◇ Elementary Organic Chemistry

5 credits

Organic chemistry, structure, nomenclature, reactions and specific applications of major classes of organic compounds and bioorganic molecules are covered. Laboratory introduces some specialized analytical techniques used in the study of organic compounds.

Prerequisite: CHM 140◇; MAT 110◇ or admission to an Allied Health program; placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 3 hours
(course fee required)

CHM 140◇ General Chemistry I

5 credits

Matter and measurement, nomenclature of ionic and covalent compounds, stoichiometry, chemical reactions, thermochemistry, atomic structure, periodic properties, bonding, states of matter and kinetic theory, intermolecular forces, solutions and some descriptive

chemistry of the elements are presented.

Prerequisite: High school chemistry or CHM 110◇; placement at MAT 110◇ level or admission to an Allied Health program; placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 3 hours — IAI: P1 902L; CHM 911
(course fee required)

CHM 141◇ General Chemistry II

5 credits

A continuation of CHM 140◇, covers energetics and equilibrium, structure, thermodynamics, solubility, acids and bases, kinetics, electrochemistry, coordination chemistry, and introduction to nuclear and organic chemistry. Laboratory concentrates on qualitative and quantitative analysis.

Prerequisite: CHM 140◇; MAT 110◇ or higher (minimum grade "C"); placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 3 hours — IAI: CHM 912
(course fee required)

CHM 234◇ Organic Chemistry I

5 credits

First of a two-semester course in the chemistry of carbon compounds, a systematic study of chemistry of organic molecules with emphasis on structure, nomenclature, synthesis, functional groups, reactions, reaction mechanisms and spectroscopic methods of analyses of representative classes of carbon compounds. Laboratory work on the development of skills and techniques for analysis and synthesis of organic compounds.

Prerequisite: CHM 141◇; MAT 110◇ or higher (minimum grade "C"); placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 3 hours — IAI: CHM 913
(course fee required)

CHM 235◇ Organic Chemistry II

5 credits

A continuation of the systematic study of the chemistry of carbon compounds by functional groups with emphasis on nomenclature, structure syntheses, reactions, reaction mechanisms and spectroscopic analysis of representative classes of organic compounds and an introduction to polymers and biochemistry. Laboratory work centered on the

continued development of skills and knowledge of techniques with particular emphasis on multi-step synthesis and the spectroscopic analysis of the products.

Prerequisite: CHM 234◇; MAT 110◇ or higher (minimum grade "C"); placement at RHT 101◇ level

Lecture: 4 hours

Laboratory: 3 hours — IAI: CHM 914
(course fee required)

Chinese Courses

CHN 101◇ Elementary Chinese I

4 credits

Beginning Mandarin Chinese course intended for students with no prior knowledge of Chinese. Includes oral and written practice of the basic structure of Chinese Mandarin. Pronunciation and tonal accuracy are strongly stressed. Also covered are the most widely needed Chinese characters, with explanation of cultural and language structures.

Lecture: 4 hours

(course fee required)

CHN 102◇ Elementary Chinese II

4 credits

A continuation of CHN 101◇, introducing approximately 350 more of the most widely needed Mandarin Chinese characters. Helps students to develop further communicative skills in Chinese by teaching useful sentence structures through discussion of everyday topics. CHN 102◇ emphasizes the training of all four language skills (listening, reading, speaking and writing), as well as understanding the socio-cultural factors that are important to cross-cultural communication.

Lecture: 4 hours

Prerequisite: CHN 101◇
(course fee required)

CHN 103◇ Intermediate Chinese I

4 credits

A continuation of CHN 102◇, which focuses on increased proficiency in comprehension, spoken production, reading, writing, and translation skills, understanding Chinese grammar and syntax, as well as the unique cultural patterns of China that can contribute to more effective communication.

Lecture: 4 hours

Prerequisite: CHN 102◇
(course fee required)

Computer Information Systems Courses

CIS 100◇ Introduction to Computer Systems

1 credit

An overview of computer-systems topics is presented, demonstrating how computers can be used as a valuable tool in the workplace. Basic concepts of computing with hands-on activities including the Windows operating system and using the World Wide Web. May not be used to substitute for CIS 101◇ or CIS 119◇. (formerly 151)

Lecture: 2 hours
(course fee required)

CIS 101◇ Introduction to Computer Science

3 credits

An overview of computer science and systems topics are presented. Programming languages, software development life cycle (SDLC), databases, computer science and society, computer hardware, system protocols, the Internet, software and problem solving using word processing, spreadsheet, database presentation and Internet application software are studied. (formerly Introduction to Business Computer Systems)

Lecture: 2 hours
Laboratory: 2 hours — IAI: BUS 902
(course fee required)

CIS 105◇ A+ PC Hardware & Software

3 credits

Basic computer hardware and operating systems, covering skills such as installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing and preventive maintenance, with additional elements of soft skills and security. Course topics parallel CompTIA's current A+ objectives. (formerly CIS 201, A+ PC Maintenance & Repair)

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

CIS 106◇ A+ PC Maintenance & Repair

3 credits

Covers installation, building, repairing, configuration, troubleshooting, optimizing, diagnosing and preventive PC and mobile device maintenance in the context of the

field service or enterprise environment. Course topics parallel CompTIA's current A+ objectives. (formerly CIS 205, A+ Advanced PC Maintenance & Repair)

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

CIS 110 Social Networking and Web 2.0

3 credits

Provides an examination of popular and specialized social networking sites along with new services and applications that are available in the collaborative environment of the Web 2.0. In addition to understanding how each operates, including creating accounts, using the services and applications, the course will address identity protection and general security issues, their contribution to professional advancement and opportunities for business.

Lecture: 2 hours
Laboratory: 2 hours

CIS 119◇ Windows

1 credit

Instruction in the application of the many features of Microsoft Windows, including file and print manager, control panel, internet, mail and news programs, and data transfer between applications.

Laboratory: 2 hours
(course fee required)

CIS 121◇ Introduction to Programming

3 credits

Introduction to computer-based problem solving and algorithm development. Students receive an introduction to computer programming through the use of flowcharts, pseudocode, structure charts, and program coding and debugging using a block structured high-level programming language. Selection, repetition, and sequence control structures are implemented. Arrays, files and records are introduced.

Prerequisite: MAT 085 or placement into MAT 110◇ or higher.
Lecture: 2 hours
Laboratory: 2 hours IAI: CS 911
(course fee required)

CIS 125◇ Discrete Mathematics for Computing

4 credits

Presents the mathematics needed in computer programming. Sets, logic, graph theory, trees, counting, subscripts and arrays, recursion, number bases, and Boolean algebra and circuits.

Prerequisite: MAT 085 or placement into MAT 110◇ or higher.
Lecture: 4 hours — IAI: CS 915

CIS 140◇ Microsoft Word I

3 credits

An introductory course exploring Microsoft Word. Students will learn the fundamental concepts of creating and editing documents in today's business community.

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

CIS 142◇ Microsoft Word II

3 credits

Advanced features of Microsoft Word are examined. Students will learn advanced techniques in creating and editing documents in today's business environment.

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

CIS 144◇ Microsoft PowerPoint

3 credits

An introduction to Microsoft PowerPoint. Students will learn advanced techniques in creating and editing presentation graphics in today's business community. Prepares the student for the Microsoft Certification Exam in PowerPoint.

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

CIS 150◇ Computer Systems Applications

3 credits

Business applications, data processing methods, and problem solving using advanced features of microcomputer-based electronic spreadsheets, database management, word processing, and presentation graphics software will be presented. Integration of office suite software, sharing of data between applications, and converting office documents for use on the World Wide

Web is included. (formerly Microcomputers in Business)

Prerequisite: CIS 101◊ or BUS 107◊

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 155◊ Microsoft Excel I

3 credits

An introductory course into electronic spreadsheets. Students will learn the fundamental concepts of developing an electronic spreadsheet using Microsoft Excel, and its use in today's business community. Basic spreadsheet functions and commands are covered. CIS 155◊ and CIS 161◊ prepare the student for Microsoft Excel Certification Exam. (formerly Introduction to Electronic Spreadsheets)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 157◊ Microsoft Access I

3 credits

Entering, storing and manipulating (sorting, selecting and displaying) data in a variety of forms using Microsoft Access database management software. Course is repeatable for a total of three accrued credits. (formerly Microcomputer Database Management Software)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 158◊ Introduction to the World Wide Web

1 credit

An introductory course to the Internet and HTML. Students learn how to use a Web browser to navigate, search and explore the Web. Hyper-Text Markup Language (HTML) is introduced to create home pages. Other Internet resources are covered. Repeatable up to two times when software is different, but only one credit may apply towards graduation.

Prerequisite: CIS 100◊ or CIS 101◊ or CIS 119◊

Lecture: 1 hour

(course fee required)

CIS 161◊ Microsoft Excel II

3 credits

Advanced features of Microsoft Excel are explored. These include database, text, graphics, macros and database and financial functions. CIS 155◊ and CIS 161◊ prepare the student for Microsoft Excel Certification Exam. (formerly Advanced Electronic Spreadsheets)

Prerequisite: BUS 107◊ or CIS 101◊ or CIS 155◊

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 167◊ Microsoft Access II

3 credits

Advanced features of Microsoft Access database management software, including creating multiple table databases, queries, group break reports, forms with subforms and command buttons using VBA code. (formerly Advanced Database Management Software)

Prerequisite: BUS 107◊ or CIS 101◊ or CIS 157◊

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 174◊ LAN Administration: Windows Client

3 credits

Provides students with the knowledge and skills necessary to install and configure the Microsoft Windows Network Operating System (NOS) client on stand-alone or part of a workgroup or domain. Includes installing Windows, managing disks, installing and configuring network protocols, setting up and managing user accounts and groups, network printers, auditing resources and events, managing data storage, backing up and restoring data, and troubleshooting devices and drivers.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 176◊ LAN Administration Windows Server

3 credits

Provides students with the knowledge and skills necessary to install and configure the Microsoft Windows Network Operating System (NOS) for servers on stand-alone and client

computers that are part of a workgroup or client-server domain. Includes installing, managing disks, configuring network protocols, DNS, Active Directory services, setting up and managing user accounts and groups, network printers, auditing resources and events, Active Directory, Group Policy, managing data storage, backing up and restoring data, and network system recovery.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 177◊ Introduction to Linux

3 credits

An introduction to the Linux operating system. The text editor, shell-processing concepts and file management are covered. (formerly Introduction to UNIX)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 178◊ Administering Web Servers

3 credits

Students will learn how to configure and install a Web server. Managing web services, resource access and security will be covered. Optimizing performance, troubleshooting and security will be introduced. Course may be repeated once when software is different but only three credits may count toward a degree.

Prerequisite: CIS 174◊ or CIS 177◊

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 179◊ Linux System Administration

3 credits

A continuing course on the Linux operating system. System administration, peripheral controls, network interfaces, and system monitoring and security are covered. Internet and network management features will be emphasized. (formerly Advanced UNIX)

Prerequisite: CIS 177◊

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 189◊ Internet Foundations

3 credits

Provides a basic overview of the Internet, focusing on its functions and how they apply to a business setting, along with its use for personal entertainment. Along with CIS 190◊ and CIS 310◊, covers the material that is tested in the CIW (Certified Internet Web master) Associate exam.

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 190◊ Web Site Development**

3 credits

Designed to cover the current material in the CIW Associate Certification exam that focuses on Website development. Students will create Websites using HTML and Extensible HTML. Course focus is on JavaScripting, in addition to the CIW material.

*Prerequisite: CIS 121◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 192◊ Server-Side Programming**

3 credits

Server-side programming involves the on-demand creation of browser pages. Browser-compatible pages can be accessed using the Internet as well as a local intranet. Applications of server-side programming include e-commerce as well as internal data and information sharing and distribution.

*Prerequisite: CIS 190◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 195◊ Programming for Engineers**

3 credits

A course in the use of a structured programming language for solving scientific problems. Topics include structured design, data structures, arrays, files and functions. Numerical algorithms and concepts are presented in a framework of scientific applications.

*Prerequisite: MAT 131◊**Lecture: 2 hours**Laboratory: 2 hours —**IAI: CS 911**(course fee required)***CIS 196◊ E-Commerce**

3 credits

Hardware and software components of an E-Commerce Web site are discussed. Administrative functions of an E-Commerce site are presented. E-Commerce sites are visited for hands-on experience.

*Prerequisite: CIS 158◊ and CIS 190◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 220◊ Introduction to Network Security**

3 credits

Introduction to basic computer systems and network security concepts. Site encryption technologies, TCP/IP security, denial of service and other attacks are explored. Implementing firewalls and preventing hacker attacks are covered. How to run a security audit and handle the results also are included. Locking down network file systems, resources, and user accounts for UNIX/Linux and Windows OS are presented.

*Prerequisite: CIS 176◊ or CIS 179◊; CIS 310◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 222◊ Administering Network Infrastructure**

3 credits

Network infrastructure administration concepts and methods will be explored, including installing, configuring and troubleshooting DNS, DHCP, remote access, remote access security, network protocols, network protocol security, monitoring network traffic, IPSec, WINS, IP routing protocols, NAT and Certificate Authority (CA).

*Prerequisite: CIS 176◊ or CIS 179◊; CIS 310◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 224◊ Managing a Network Environment**

3 credits

Network management concepts and methods will be explored, including managing client and server computers, managing storage resources, sharing drives and printers, monitoring server health and

security, managing Active Directory services, TCP/IP administration and disaster recovery and prevention.

*Prerequisite: CIS 176◊ or CIS 179◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 226◊ Advanced Network Security**

3 credits

Network security design concepts and methods will be explored, including designing security, designing authentication for a network, planning a network administrative structure, designing group security, securing file resources and designing group policy.

*Prerequisite: CIS 220◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 228◊ Administering Directory Services**

3 credits

Introduces Directory Name Services (DNS), configuring DNS for Directory Services, building a directory services structure, administering directory services, managing servers and using group policy to manage users, software distributions and managing security.

*Prerequisite: CIS 174◊, CIS 176◊; CIS 310◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 236◊ Introduction to Wireless LAN Administration**

3 credits

Instructor-led training designed to provide the information and hands-on experience needed to identify, design, and configure small- to medium-sized wireless multi-protocol networks. CIS 236◊ prepares the student for the Certified Wireless Network Administrator certification exam and is a prerequisite for the Certified Wireless Network Professional (CWNP) and Certified Wireless Network Engineer (CWNE) certifications. CIS 101◊ and CIS 176◊ recommended.

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)*

CIS 238◇ Introduction to Computer Forensics

3 credits

Introduces persons in the law enforcement, forensic science, computer security and legal communities to how computers and networks function, how they can be involved in crimes, how they can be used as a source of evidence, and how to collect and analyze evidence correctly. Course also covers the evidentiary, technical and legal issues related to digital evidence. Student is expected to have advanced operating system experience.

Prerequisite: CIS 176◇ or CIS 179◇, CIS 310◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 240◇ Advanced Computer Forensics

3 credits

How to locate and use evidence in computer hard drives, shared networks, wireless devices and embedded systems is presented. Discuss advantages and disadvantages of software and hardware for collecting and analyzing digital evidence. Lab exercises are given for collecting and analyzing digital evidence in common situations.

Prerequisite: CIS 238◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 250◇ Visual Basic Programming

3 credits

Beginning level programming using the Visual Basic programming language. The Program Development Cycle will be used to develop structured programs utilizing procedures, arrays, records and files. (formerly Introduction to Visual Basic Programming)

Prerequisite: MAT 085

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 253◇ Advanced Visual Basic Programming

3 credits

An object-oriented, data-driven approach to programming using Microsoft Visual Basic to implement interactive applications for Microsoft Windows. Record set methods and SQL (Structured Query

Language) are used for maintaining, sorting and searching databases with multiple tables. (formerly Visual Basic Programming)

Prerequisite: CIS 121◇ or CIS 250◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 255◇ C++ Programming

3 credits

A second course in the language constructs of C++. Abstract data types, files, sets and pointers are used in developing programs. Recursion and dynamic memory concepts are used in assignments involving text processing, lists, stacks, queues, trees and graphs. Searching and sorting techniques are discussed. (formerly Programming in C++)

Prerequisite: CIS 121◇ or CIS 195◇

Lecture: 2 hours

Laboratory: 2 hours — IAI: CS 912

(course fee required)

CIS 257◇ Access Programming

3 credits

Using the industry standard Visual Basic for Access (VBA) database language, database design, data manipulation, relational data structures and structured programming techniques are presented. Typical business applications are written, executed and debugged. (formerly Database Programming)

Prerequisite: CIS 150◇ or CIS 167◇, and CIS 121◇ or CIS 250◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 260◇ Cooperative Work Experience

3 credits

Prerequisite: (1) Completion of 12 credit hours to include two of the courses in discipline; (2) 2.0 Grade Point Average ("C" average); (3) Approval of the Cooperative Education Office.

Laboratory: 15 hours

See course description CWE 290◇

CIS 261 Cooperative Work Experience

3 credits

Prerequisite: (1) CIS 260◇ with a "C" grade or better; (2) 2.0 Grade Point Average ("C" Average); (3) Approval of the Cooperative Education Office.

Laboratory: 15 hours

See course description CWE 291◇

CIS 262◇ Oracle DBMS Development

3 credits

Database design concepts are implemented using Oracle DBMS. Systems development using Oracle DBMS. Oracle Tools are utilized to build applications also is covered.

Prerequisite: CIS 278◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 263◇ Java Programming

3 credits

Create applets and applications using an Internet programming language. An overview of object-orientated programming will be covered to enable the use of commercial packages and creation of new classes through inheritance. Multithreading, graphics and animation are introduced.

Prerequisite: CIS 121◇ or CIS 195◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 264◇ C# Programming

3 credits

C# is a .NET object-oriented language that combines the ease of Visual Basic and power of Java and C++. C# is one of the core languages of the Microsoft.NET framework. Covers the syntax required to build simple console and event-driven Windows programs. (formerly Introduction to C# Programming)

Prerequisite: CIS 121◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

CIS 265◇ Computer Architecture and Assembly Language

4 credits

An introduction to the architecture and assembly language of a microcomputer. Includes learning the internal organization of the microprocessor, the basic assembler-instruction set, addressing modes, program development and debugging on the microcomputer.

Prerequisite: CIS 125◇

Lecture: 3 hours

Laboratory: 2 hours

(course fee required)

CIS 267◊ Advanced Access Programming

3 credits

Advanced database programming techniques using Access Visual Basic for Applications (VBA) are presented. Business applications are written using advanced programming constructs and relational database objects. (formerly Advanced Database Programming)

*Prerequisite: CIS 257◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 275◊ Project Management for Small-Business Systems**

3 credits

Introduces students to project management tools and techniques for information technology projects with emphasis on small business applications. Topics include project design and interfacing, cost and time management, quality management, risk management and ethics issues. Case studies are used to practice techniques.

*Prerequisite: CIS 101◊**Lecture: 3 hours**Laboratory: 1 hour**(course fee required)***CIS 276◊ Operating Systems Introduction**

3 credits

This is an introduction to operating systems. Topics include general-hardware features, supervisor features, Job Control Language and library utilization.

*Prerequisite: CIS 101◊**Lecture: 3 hours***CIS 277◊ Windows Command Processing**

3 credits

Advanced course in the Windows Operating System and the Command processor. Topics include installation, configuration, customization, memory and file management, command language and system utilities. (formerly Microcomputer Operating Systems)

*Prerequisite: CIS 101◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 278◊ Database Management Systems**

3 credits

Data management and database management-systems concepts are covered. DBMS applications are designed using a commercial DBMS package.

*Prerequisite: CIS 121◊**Lecture: 3 hours**(course fee required)***CIS 280◊ Business Systems Analysis and Design**

3 credits

An introduction to systems analysis. Topics include the systems life cycle, analytical tools and methods, file and record layouts, and elements of the design phase.

*Prerequisite: CIS 121◊**Lecture: 3 hours***CIS 295◊ Data Structures with C++**

3 credits

Object-orientated programming using C++ is used to study advanced data structures and abstract data types including linked lists, stacks, queues, hash tables, graphs and trees. Algorithms for sorting and searching will be covered with emphasis on algorithm analysis.

*Prerequisite: CIS 255◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 299◊ Special Topics in Computer Information Systems**

0.5-3 credits

Computer topics pertaining to emerging software technology will be covered. Content and format of this course are variable. Subject matter will be indicated in class schedule. Course may be repeated when topics are different, but only three credit hours may be applied toward graduation requirements.

*Lecture: 0-3 hours**Laboratory: 0-6 hours**(course fee may be required depending on topic)***CIS 310◊ Data Communications & Networking Fundamentals**

3 credits

Introduces the fundamentals of computer networking. Begins with an introduction to local area networks (LANs) and their components. Includes a

discussion of different LAN topologies and their operation, major topologies such as Ethernet, Token Ring, AppleTalk and ArcNet, wide area network (WAN) technologies, network administration and support and general principles of network troubleshooting. Content equivalent to the Cisco (CCNET) course, CompTIA course Network+, Novell course Networking Fundamentals and Microsoft course Networking Essentials. Students who successfully complete this class and CIS 312◊ are ready to earn a Cisco Certified Network Associate (CCNA) certification.

*Prerequisite: CIS 101◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***CIS 312◊ Internetworking, Routing and Switching**

3 credits

Learn to evaluate and configure network infrastructure components; hubs, switches, routers and remote access network devices. Configuring, maintaining and developing network connectivity solutions utilizing standardized infrastructure devices in a simulated network environment will be discussed and demonstrated. CIS 310◊ and CIS 312◊ prepare the student for Cisco Certified Network Associate (CCNA) certification exam. (formerly 212)

*Prerequisite: CIS 310◊**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***Criminal Justice Administration Courses****CJA 106◊ Self Defense for the Law Enforcement Professional**

1-2 credits

The principles of self-defense will be demonstrated, including practical methods of preventing and ending a physical attack successfully. The legal, moral and civil liabilities of the legal use of force will be covered.

*Lecture: 1 hour**Laboratory: 2 credits*

CJA 111◇ Introduction to Criminal Justice

3 credits

The history, development and function of law enforcement, the court system and correctional practices in the United States are introduced. Interrelationship of the various components and processes of the criminal justice system are discussed and analyzed.

Prerequisite: Writing and reading assessment test score of 4 or better; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086; or an ACT score of 20 or better in reading and writing

Lecture: 3 hours — *IAI:* CRJ 901

CJA 115◇ Professional Skills: Private Security-Basic & Firearm Training

3 credits

Designed to certify a student to work as an armed/unarmed security officer within the State of Illinois, and meets the requirement of the Department of Financial and Professional Regulation, Private Detective, Private Alarm, Private Security and Locksmith Act of 2004. The legal aspects of being armed, firearm safety, defensive handgun shooting, firearms care and maintenance and state mandated live-fire qualification will be covered. Attendance at all classes and a valid Illinois FOID (firearms owner's identification card) are mandatory for state certification.

Lecture: 3 hours
(course fee required)

CJA 116◇ Current Security Problems

3 credits

Current security problems, including conducting the security audit, perimeter security and internal-theft procedures, receipts and deposits in the cash flow, investigation and prosecution, security insurance, records and reports, and requirements in specific areas are covered. Career opportunities in private and public security also are covered.

Lecture: 3 hours

CJA 117◇ Introduction to Private Security

3 credits

History, scope and functions of security, principles of physical protection, internal security, systems of defense, and fire prevention and safety are covered. Career opportunities in security are included.

Lecture: 3 hours

CJA 118◇ Security Administration

3 credits

Learn about the organization, administration and management of security and plant protection units. Topics covered include policy and decision-making, personnel and budgeting, programs in business, industry and government including retailing, transportation, and public and private institutions, and security at the operational level as well as line operations.

Lecture: 3 hours

CJA 121◇ Introduction to Corrections

3 credits

Covers the history and development of correctional work. Emphasis is placed on local, state and federal practices. Also includes philosophy and practice of correctional process, administrative-organizational structure, penal codes and rehabilitative services.

Lecture: 3 hours — *IAI:* CRJ 911

CJA 125◇ Principles of Probation & Parole

3 credits

Development, types of service, administrative organizations, investigation, and supervisory aspects of probation and parole are covered. Also discussed are the role of the parole officer; pre-sentence investigation; selection, supervision, and release of probationers and parolers; halfway houses, working-release programs and parole clinics; reintegration of offenders in society; and future trends.

Lecture: 3 hours

CJA 127◇ Correctional Counseling

3 credits

This course explores the treatment methods used in correctional institutions and community-based programs, including work release, group homes and parole.

Lecture: 3 hours

CJA 131◇ Correctional Procedures

3 credits

Explore the modern correctional concepts and standards; scope of the correctional process; review of arrest and pre-trial detention procedures, pre-sentence investigation and, ultimately, the sentence; study of the diagnostic service, procedures and practices; an examination of federal and state facilities of institutions for medium- to long-term sentences; theory

and practice of re-socialization; alternatives to incarceration, such as probation and parole; and consideration or pre-release guidance centers and community-based programs. CJA 121◇ recommended prior to this course.

Lecture: 3 hours

CJA 140◇ Introduction to Forensic Science

4 credits

Study and application of science to the processes of law as it relates to the collection, examination, evaluation and interpretation of evidence. Includes techniques of crime scene processing, the identification of potential physical evidence, the examination and evaluation of evidence and laboratory procedures. Also covers crime scene investigation, documentation of the crime scene, the collection and preservation of evidence.

Lecture: 3 hours

Laboratory: 2 hours

CJA 148◇ Police/Community Relations

3 credits

Learn about the role of police as a public service. Emphasis is placed on police achieving and maintaining public support, human relations and public information. Police involvement in community problems, such as family disputes and riots also is covered. CJA 111◇ recommended prior to this course.

Lecture: 3 hours

CJA 161◇ Administration of Justice

3 credits

The American judicial system, including analysis of the procedures of the decision-making process from incident to final disposition, structure and operating environment of the judiciary in the United States is covered. CJA 111◇ recommended prior to this course.

Lecture: 3 hours

CJA 166◇ Criminal Investigation

3 credits

This course explores the investigation, crime-scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, interviews and interrogation, and follow-up and case preparation. CJA 111◇ recommended prior to this course.

Lecture: 3 hours

CJA 171◇ Patrol Administration

3 credits

Responsibilities, supervision and administration of patrol are taught, including MBO, leadership roles, patrol planning, special operations, team policing, manpower distribution, command and control, reporting procedures, crime prevention and the changing environment.

*Lecture: 3 hours***CJA 181◇ Juvenile Delinquency & Law**

3 credits

Psychological, social and environmental causes of juvenile delinquency are examined. Legal aspects of delinquency, including analysis of the Illinois Juvenile Court Act, structure of family court and legal rights of the juvenile from custody to disposition also are covered.

*Lecture: 3 hours — IAI: CRJ 914***CJA 201◇ Criminology**

3 credits

Study of the causative theories of crime, participants in crime, community organizations and agencies to combat high crime rates, and society's reaction to crime and the criminal. The basics of criminology and criminological theories, principles and concepts are examined.

*Prerequisite: CJA 111◇ or SOC 100◇**Lecture: 3 hours — IAI: CRJ 912***CJA 205◇ Women in Criminal Justice**

3 credits

Provides an in-depth examination of the changing roles of women in the justice system, which includes women as offenders, victims and professionals. A survey of women in criminal justice professions, an assessment of women as victims and as criminals, as well as an investigation of the impact of gender on adjudication and sentencing will be discussed. Special topics, such as sexual crimes and domestic violence will be examined.

*Lecture: 3 hours***CJA 219◇ Criminal Law I**

3 credits

Includes the study of substantive criminal law and its relationship to common law and case law; essential elements of felonies and pertinent misdemeanors, including structure, definitions and most frequently used sections of criminal statutes.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

*Lecture: 3 hours***CJA 236◇ Criminal Law II**

3 credits

An in-depth study of the criminal code of the State of Illinois, including classification of crimes and their application to the justice system's legal rules governing police practices and procedures. The structure, definitions and pertinent sections of law and procedure also are included.

*Prerequisite: CJA 219◇**Lecture: 3 hours***CJA 241◇ Traffic Enforcement & Administration**

3 credits

Development, purpose, enforcement and administration of traffic law and fundamentals of traffic-accident investigation are taught. CJA 111◇ recommended prior to this course.

*Lecture: 3 hours***CJA 246◇ Laws of Evidence**

3 credits

Evidence and the rules governing admissibility in court are explored. Elements necessary to establish criminal intent, search and seizure, and implications of the U.S. Supreme Court regarding evidence also are discussed.

*Prerequisite: CJA 236**Lecture: 3 hours***CJA 257◇ Law Enforcement Administration**

3 credits

This course covers concepts and principles of organization and administration. CJA 111◇ recommended prior to this course.

*Lecture: 3 hours***CJA 296◇ Special Topics in Criminal Justice**

0.5-4 credits

This course is provided for the study of "special topics" related to the criminal justice system, including law enforcement issues, judicial concerns and decisions, and correctional ideologies. Delivery of subject matter will include, but not limited to, readings, discussion groups, guided research and field trips. Course may be repeated if topics are different. However, only three credits may be applied toward

graduation requirements. Topics are selected on a basis of timeliness and interest.

*Lecture: 0.5-4 hours**Laboratory: 0.5-8 hours***CJA 298◇ Applied Law Enforcement Administration**

3 credits

Practical application of law enforcement administration principles, planning functions of police-line operations, theories and techniques affecting patrol and safety, crowd control, laws of arrest and community/police relations is provided.

*Prerequisite: CJA 257◇**Lecture: 3 hours*

Certified Medical Assisting Courses

CMA 100◇ Introduction to Clinical Skills & Diagnostic Procedures

2 credits

Covers basic concepts, such as asepsis, infection control, transmission, taking vital signs and prevention of diseases. Anthropometric measurements, assisting with routine examinations, specialty examinations, electrocardiography, assisting with minor surgery procedures, and advanced medical assisting procedures is also covered to give students a clear understanding of the role as a medical assistant.

*Prerequisite: AHL 103◇, AHL 108◇, AHL 120◇ and CMA 140◇**Lecture: 1 hour**Laboratory: 2 hours**(course fee required)***CMA 110◇ Therapeutic Communications for Allied Health Majors**

2 credits

Focuses on communication, learning theories and practical application of therapeutic communication in a variety of patient situations. Students will gain basic communication skills and learn various approaches appropriate for patients in all age groups.

*Prerequisite: CMA 140◇**Lecture: 2 hours*

CMA 130◇ Clinical Laboratory Procedures

1 credit

Contains the theory for the hands-on practice of the procedures most frequently performed in the physician's office laboratory. CLIA and OSHA, Universal Precautions, and quality control are discussed throughout the course. Chemistry, microbiology, hematology, urinalysis, venipuncture and capillary punctures are discussed.

Prerequisite: AHL 103◇, AHL 108◇, AHL 120◇ and CMA 140◇

Lecture: 1 hour

CMA 140◇ Introduction to Human Diseases

2 credits

A survey of clinical pathophysiological mechanisms and their methods of diagnosis and treatment, which cause disruption of normal physiologic processes across the life span.

Prerequisite: Acceptance into CMA program; RHT 085 and RHT 095 or placement test scores of '2' in Reading and Writing

Lecture: 2 hours

CMA 180◇ Applied Clinical Laboratory Procedures

1 credit

Consists of hands-on practice of the procedures most frequently performed in the physician's office laboratory. Learning to perform basic tests manually gives students a clear understanding of the theory behind the test, as well as an understanding of how the automated laboratory equipment works. CLIA and OSHA, Universal Precautions and quality control are utilized throughout the course. Chemistry, microbiology, hematology, urinalysis, venipuncture and capillary punctures are practiced throughout the course. Required is 75 hours (5 hours/week for 15 weeks) clinical experience at a physician's office.

Prerequisite: Concurrent enrollment with CMA 130◇

Laboratory: 5 hours

CMA 190◇ OSHA for the Allied Health Worker

1 credit

Addresses the key issues, concerns and factors of safety relating specifically to modern health practices and environments. Utilizing the latest OSHA

standards, this course draws immediate connections between principles and their practices in real-world settings.

Prerequisite: CMA 140◇

Lecture: 1 hour

CMA 200◇ Medical Assisting Externship

2 credits

Provides experience in a physician's office. The student is supervised and evaluated by qualified medical staff. The student will have an opportunity for an equal balance of administrative and clinical experience completing 160 clinical hours (20 hours/week for 8 weeks) at the designated externship site.

Prerequisite: AHL 107◇, AHL 108◇, CMA 130◇, CMA 180◇

Clinical Laboratory: 2 hours

(course fee required)

CMA 250◇ Certification Review for Medical Assistants

1 credit

A review of the major topics covered in the Certified Medical Assistant courses. The primary objective of the course is preparation of students to sit for the Certified Medical Assistant Exam.

Prerequisite: CMA 200◇

Lecture: 1 hour

College Orientation Courses**COL 101◇ Introduction to College**

1 credit

This course develops necessary academic-support skills (study skills, note-taking, time management, goal setting, library learning, resource use) to succeed in college-level work. Acquaints the student with college resources and structure.

Lecture: 1 hour

COL 102◇ Being Successful in College

3 credits

This course is designed to prepare students to be successful in college. They will be taught essential study skills and computing skills needed in college. They will become acquainted with the campus, and learn how to interact with their professors. They also will discuss relevant issues focusing on values, diversity, health, problem-solving and financial matters. This course is open to everyone

but is required of students who are on academic probation.

Lecture: 3 hours

Construction Courses**COT 101◇ Introduction to Architecture, Engineering and Construction**

1 credit

A survey of the various segments of the construction industry and the career opportunities available within those areas. Students gain an understanding of the basis for critical assessment of various man-made environments. Students learn how planning, design, construction and development can help create, preserve and restore valued qualities in our built environment.

Lecture: 1 hour

COT 118◇ Construction Safety & Loss Prevention

2 credits

A review of general safety procedures for the construction industry with emphasis on OSHA regulations is provided. Employee responsibilities, record keeping and inspection procedures are included.

Lecture: 2 hours

(course fee required)

COT 164◇ Soils

2 credits

Learn about soil as a construction material with emphasis on the techniques and methods of performing laboratory and field tests for soil classification, moisture-density relationships and unconfined compression testing. Test procedures are based upon ASTM and AASHTO standards.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

COT 245◇ Construction Jobsite Supervision

3 credits

Labor-management relations in the construction industry are discussed. Emphasis is placed on developing supervisory skills and techniques for motivating workers.

Lecture: 3 hours

COT 246◇ Construction Internship I

1-4 credits

Supervised construction management experience at a college-selected office. Students participate in various construction management careers, including, but not necessarily limited to: construction project manager, field superintendent, claim analyst, safety officer, scheduler, cost estimator, land surveyor, plan examiner, code enforcement official and building inspector.

Prerequisite: COT 101◇ or concurrent enrollment and completion of twelve semester hours, including two additional courses in the discipline.

Laboratory: 5-20 hours

Credits	Contact Hrs.
1	5
2	10
3	15
4	20

(course fee required)

COT 248◇ Construction Planning & Scheduling

3 credits

Study and practice the planning, scheduling and monitoring of construction projects from the simple process of listing and sequencing to more complicated systems in practice today. Primavera Sure-Trac software and Microsoft Project software will be taught.

Lecture: 3 hours

Laboratory: 1 hour

(course fee required)

COT 250◇ Construction Project Management

3 credits

Administration and control of material, time, budget, production and contracts of a construction project are covered.

Lecture: 3 hours

(course fee required)

COT 269◇ Surveying

3 credits

Explore the use of surveying equipment such as tape, level, transit and theodolite to establish bench marks, give line and grade, layout building sites, run cross sections, do slope staking, run simple transverse, stake a curve and perform a stadiant survey.

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

COT 270◇ Intermediate Surveying

3 credits

Theory and practice of surveying, including: coordinate geometry; balancing traverse; route surveying and layout; legal principles of surveying and land division are presented. Field applications of these subjects also are covered.

Prerequisite: COT 269◇

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

COT 272◇ Surveying Law

3 credits

Legal aspects of surveying relative to boundary control, including sequential and simultaneous conveyances, adverse possession, riparian rights and boundaries and other interests in real property. Study of evidence and how it impacts boundary surveying will be reviewed. State laws and standards, which impact surveys are studied.

Prerequisite: COT 270◇

Lecture: 3 hours

COT 273◇ Advanced Surveying

3 credits

Application of surveying skills relevant to the construction field are presented. Projects, such as layout of commercial and industrial buildings, transfer of horizontal and vertical control, establishment of route centerlines, establishment of lines and grades, determination of earthwork quantities, establishing slope stakes, triangulation and topographic mapping will be studied. Instruments used will include transits, theodolites, automatic levels, construction lasers, and EDMs.

Prerequisite: COT 270◇

Lecture: 2 hours

Laboratory: 3 hours

(course fee required)

Counseling & Guidance Courses**CSG 150◇ Career/Life Planning**

1 credit

Development of self-knowledge to make appropriate career and lifestyle plans is discussed. Skills necessary for life planning and decision making are emphasized in relation to education, occupation and leisure time.

Lecture: 1 hour

CSG 296◇ Special Topics in Counseling

1-4 credits

Selected topics in the areas of counseling may vary from semester to semester and information will be available during registration. This course may be repeated up to three times when content is different, but a maximum of six credit hours can be used to meet graduation requirements.

Lecture: 1-4 hours

Cooperative Education Courses**CWE 290◇ Cooperative Work Experience**

3 credits

Work experience will integrate classroom theory with on-the-job training. The college will assist the student in securing employment related to the field of study and/or career interests. Under the supervision of the college and the employer, the student participates in job-training experiences.

Prerequisite: (1) Completion of 12 credit hours to include two of the courses in discipline; (2) 2.0 Grade Point Average ("C" average); (3) Approval of the Cooperative Education Office. Contact Hours: 240

CWE 291◇ Cooperative Work Experience

3 credits

This is a continuation of the first co-op course. Students have the option to continue with previous place of employment or select a different area of concentration related to the major field of study or career interests. Work experience must go beyond what was learned in the previous co-op class or consist of an entirely different learning experience. Continuous growth of the individual is emphasized.

Prerequisite: (1) CWE 290◇ with a "C" grade or better; (2) 2.0 Grade Point Average ("C" Average); (3) Approval of the Cooperative Education Office.

Contact Hours: 240

Dance Course

DAN 110◇ Dance Appreciation

3 credits

Aesthetic considerations of dance as a fine art. The study of the history of dance, its role in human communication and expression and its effect on contemporary life. Comparative study of dance in relation to music, drama and visual art.

Lecture: 3 hours

Diagnostic Medical Sonography Courses

DMS 101◇ Ultrasound Physics I

3 credits

Learn about acoustic physics in terms of the characteristics and properties of sound energy and the manner in which very high-frequency sound (ultrasound) is used in imaging. Physical principles examined will include wave forms, propagation, relationship of velocity of propagation to frequency and wavelength, acoustic impedance, reflection, refraction, other types of attenuation, transducers and basic layout of a pulsed-echo imaging system.

Prerequisite: Admission to program

Lecture: 3 hours

(course fee required)

DMS 102◇ Ultrasound Physics II

2 credits

Applied ultrasound physics as related to ultrasound-system design and instrumentation are covered. Principles of fluid dynamics and the fundamentals of Doppler physics and instrumentation are covered. Quantitative methods used in acoustic output measurement and quality assurance are discussed, and the current data on the biological effects of ultrasound is reviewed.

Prerequisite: DMS 101◇

Lecture: 2 hours

DMS 106◇ Introduction to Ultrasound Principles & Procedures

2 credits

Proficiency of body mechanics, patient positioning, transportation, aseptic techniques, vital signs and hard-copy imagery are covered.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

DMS 121◇ Cross Sectional Anatomy

5 credits

This course covers the human anatomy in transverse, sagittal, coronal and oblique planes in order to enable the student to identify the structures seen in each plane, and to visualize any portion of the anatomy as it relates to the body as a three-dimensional whole and to ultrasound imaging planes.

Prerequisite: BIS 234◇

Lecture: 5 hours

DMS 125◇ Abdominal Sonography

3 credits

This course presents a comprehensive outline for normal anatomy, anatomical variations and basic pathologic entities in the abdominal structures that can be detected and evaluated by diagnostic ultrasound. Abdominal ultrasound procedures will be presented in laboratory.

Prerequisite: DMS 102◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

DMS 131◇ Clinical Applications I

3 credits

Provides opportunities for students to become familiar with the overall operation, common ultrasound procedures, departmental policies and basic patient care in ultrasound departments in hospitals.

Prerequisite: Concurrent enrollment in DMS 135◇, DMS 136◇

Laboratory: 15 hours

(course fee required)

DMS 132◇ Obstetrical/Gynecologic Sonography

3 credits

Learn about the comprehensive outline of normal anatomy, anatomical variations and basic pathologic entities in the gravid and non-gravid uterine cavities, which can be detected and evaluated by diagnostic ultrasound. OB/GYN ultrasound procedures will be presented in laboratory.

Prerequisite: DMS 102◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

DMS 135◇ Ultrasound Film Critique

2 credits

This course is designed to correlate ultrasound knowledge with visual images, including extensive viewing of normal versus abnormal ultrasound images.

Prerequisite: DMS 125◇, concurrent DMS 131◇, DMS 136◇

Lecture: 2 hours

(course fee required)

DMS 136◇ Principles & Procedures of Ultrasound Imagery

2 credits

Review of basic principles and procedures of ultrasound imagery applicable to abdominal, OB/GYN and neonatal imaging are presented.

Prerequisite: DMS 125◇, concurrent DMS 131◇, DMS 135◇

Lecture: 2 hours

DMS 141◇ Clinical Applications II

4 credits

This course provides opportunities for students to apply knowledge or principles and procedures of abdominal, OB/GYN and cardiac imaging to patients in the clinical area.

Prerequisite: DMS 131◇, DMS 135◇, DMS 136◇

Laboratory: 24 hours

(course fee required)

DMS 146◇ Pathology & Diagnostic Sonography

3 credits

This course covers the principles and procedures of abdominal, OB/GYN and neonatal sonography, focusing on pathology of those specific organs.

Prerequisite: DMS 135◇, DMS 136◇

Lecture: 3 hours

DMS 151◇ Clinical Applications III

4 credits

This course provides opportunities for students to attain competency in ultrasound imaging of the abdominal, cardiac and OB/GYN organs and organ systems. Opportunities for Doppler and ophthalmic ultrasound techniques will be provided.

Prerequisite: DMS 141◇

Laboratory: 24 hours

(course fee required)

DMS 200◇ Principles of Computerized Sonography

2 credits

Ultrasound physics application to high-resolution system design and instrumentation utilizing available computer packages that will be linked to clinical situations is covered. Color flow and doppler function will be included.

Prerequisite: DMS 131◇, concurrent DMS 146◇

Lecture: 2 hours

DMS 201◇ Sonographic Specialties

3 credits

General coverage of doppler, peripheral vascular and echocardiography, non-routine exams such as popliteal, prostate, testicular and high-level obstetrical and abdominal studies are included. Performance of these exams and film critique will occur in the laboratory.

Prerequisite: DMS 141◇, DMS 146◇, DMS 200◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

Early Childhood Education Courses**ECE 110◇ Early Childhood Development**

3 credits

Study of human growth and development from conception through adolescence. Addresses all major areas of development (physical, social, emotional and cognitive). Emphasis is placed on the first eight years of life. Includes research methods and developmental theories. A supervised laboratory experience will provide opportunities for implementation of theory.

Lecture: 2 hours

Laboratory: 3 hours

(course fee required)

ECE 111◇ Introduction to Early Childhood Education

3 credits

Designed as an overview of early childhood care and education, including the basic values, structure, organization and programming in early childhood. Examination of the student's personal qualities in relationship to expectations of the field is addressed throughout the course. A field experience component of

fifteen contact hours of direct observation in a variety of early childhood settings is required.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 115◇ Infant/Toddler Development

3 credits

Examine cognitive, social and emotional development of infants from prenatal development through toddlerhood. The importance of attachment and separation on infant and toddler growth and development are discussed.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 118◇ Health, Nutrition & Safety

3 credits

Methods of teaching health, safety and nutrition to young children are covered. Techniques of menu planning, and program considerations of nutrition, health, hygiene and safety standards for the young child in group care are implemented. Developmentally appropriate practices and licensing standards are emphasized.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 121◇ Language Development & Activities

3 credits

Provides in-depth knowledge and understanding of language development and theory, stages involved, the role that adults play and the relationship of language to other aspects of development. Teaching methods are introduced emphasizing the interrelatedness of literacy in all developmental domains and curriculum areas. Students will plan, prepare materials, implement and evaluate activities in a field setting.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 122◇ Infant/Toddler Care and Curriculum

3 credits

Teaching techniques and methods as it pertains to infant and toddler care is discussed. Emphasis is on physical, social, emotional and cognitive development and care. Planning and implementing the environment practices is stressed. Observations of quality infant/toddler programs are included in lab.

Prerequisite: ECE 110◇, ECE 115◇

Lecture: 2 hours

Laboratory: 3 hours

(course fee required)

ECE 136◇ School Age Programming

3 credits

Focuses on planning and organizing programs and activities appropriate for school-age children (6-12 years). Emphasis will be placed on implementing developmentally appropriate activities and practices for this age. This course is designed to provide the student with knowledge and skills necessary to work effectively with this age group.

Lecture: 3 hours

ECE 138◇ Observation, Assessment, Curriculum and Guidance of Young Children

4 credits

Observational techniques and guidance practices, which facilitate the development of the young child including theories supporting an analysis of child behavior. The relationship between careful observation, communication and effective interaction and assessment with children through supervised observations and experiences in an early childhood setting are a component. Developmentally appropriate curriculum will be developed covering all developmental domains and curriculum areas and work sampling portfolios will be constructed on children at placement site.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 3 hours

Laboratory: 5 hours

(course fee required)

ECE 142◇ Students with Disabilities in School

3 credits

Overview of children with exceptional cognitive, physical, social and emotional characteristics; analysis of developmental and educational needs imposed by exceptionality; identification, interventions strategies, methods, and programs designed to meet their needs. Inclusion for children with disabilities in early childhood educational settings is studied. Study of applicable federal and state laws and requirements: Individuals with Disabilities Education Act, Americans with Disabilities Act, Individualized Family Service Plan, Individualized Education Plan and inclusive programs.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

Laboratory: 2 hours

ECE 146◇ Child, Family & Community

2 credits

Concentrates on teacher's role in working with the child's family and community, stresses parent education, changing families, cultural diversity and legal responsibilities. Specifies criteria and methods for effective parent-teacher-child communication and relationship building. Includes an in-depth study of community resources and partnership building.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

ECE 150◇ Teacher Assistant/Aide Test Preparation and Review

1 credit

Prepares individuals for completing state-endorsed education paraprofessional examinations. Includes an introduction to standardized tests, a review of basic skills, and test-taking strategies. Curriculum reflects content from the two state-endorsed paraprofessional exams: the ACT WorKeys and the ETS Parapro. This course is intended to serve as a refresher/review course for paraprofessionals who have learned the subject matter earlier in their educational experience.

Lecture: 1 hour

ECE 151◇ Communicating with Parents and Children

1 credit

Establishes parent relationships through effective listening, speaking and writing. Develops communication skills in relation to children, families and co-workers.

Lecture: 1 hour

ECE 152◇ Principles of Child Growth and Development, Birth - 5

1 credit

An overview of physical, social/emotional, cognitive and language development from conception to age five. The significance of family, peers, school and culture will be emphasized and practically applied to the young child's individual development.

Lecture: 1 hour

ECE 153◇ Guiding Children and Managing the Classroom

1 credit

An understanding of children's behaviors, positive guidance, prevention techniques and strategies for creating a pro-social classroom environment.

Lecture: 1 hour

ECE 154◇ Activities and Resources for Young Children I

1 credit

Planning the developmentally appropriate curriculum environment. Topics covered will include schedules, projects and activities in the curricular areas of art, motor, music movement, health and safety and nutrition.

Lecture: 1 hour

ECE 155◇ Activities and Resources for Young Children II

1 credit

Planning the developmentally appropriate curriculum environment. Topics covered will include schedules, projects and activities in the curricular areas of math, science, social studies, self-concept, language, literature, dramatic play and group times.

Lecture: 1 hour

ECE 156◇ Effective Teaching

1 credit

Provides methods for maintaining and increasing effective teaching behaviors. Topics include relations with parents and co-workers, teacher behaviors, avoiding burnout, growing professionally, advocacy and professional ethics.

Lecture: 1 hour

ECE 230◇ Theory of Play

3 credits

Theories of play and its effect on physical, cognitive, social and emotional development will be explored through lectures, readings and play experiences. The role of the teacher in facilitating play and choosing appropriate equipment will be stressed. Emphasis will be on children from birth to middle childhood.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 3 hours

ECE 231◇ Science & Math for Children

3 credits

Investigate through theory and practice how the young child gains an understanding of scientific and mathematical concepts. Developmentally appropriate materials, curriculum planning and implementation are stressed.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 233◇ Creative Activities for the Young Child

3 credits

An in-depth look at the variety of experiences and methods for developing self-expression and creativity in the young child, focusing on art, music, and movement. The interrelations of the creative arts and development and developmentally appropriate practice is emphasized.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ECE 250◇ Administration & Supervision of Early Childhood Programs

3 credits

Supervision and administration techniques and issues of licensed early childhood facilities are looked at within the framework of all types of early childhood programs. Areas of planning, organizing, staffing, reports and budgeting will be covered. State and local licensing regulations as well as legal issues are addressed.

Prerequisite: ECE 110◇, ECE 111◇

Lecture: 3 hours

(course fee required)

ECE 251◇ Practicum

4 credits

Emphasizes the practical application of early childhood education principles and theories while working with young children in a licensed setting, supervised by a qualified, professional, cooperating teacher and college instructor. Quality care and developmentally appropriate practice are emphasized.

Prerequisite: ECE 118◇, ECE 121◇, ECE 138◇, ECE 231◇ and concurrent enrollment in ECE 252◇

Laboratory: 20 hours
(course fee required)

ECE 252◇ Seminar

3 credits

Review and discussion of special projects performed in an early childhood program by the students enrolled in the practicum. Application of theories and developmentally appropriate practices are emphasized.

Prerequisite: ECE 118◇, ECE 121◇, ECE 138◇, ECE 231◇ and concurrent enrollment in ECE 251◇

Lecture: 3 hours

ECE 296◇ Special Topics in Early Childhood Education

0.5-3 credits

Special interest topics and newly developing areas of interest in Early Childhood Education will be provided. Content and format of this course are variable. Subject matter will be indicated in the class schedule. Course may be repeated up to three times when topics are different, but only three hours can be used to meet graduation requirements.

Lecture: 0.5-3 hours

Laboratory: 1-6 hours

Economics Courses**ECO 100◇ Principles of Economics**

3 credits

A survey course for non-business and non-economics majors that introduces the student to both micro and macroeconomics. Topics include price theories and behavior of the firm under varying economic conditions, product and resource markets, the economic roles of business, national income theories, government and households, economic fluctuations and growth, fiscal policy, money, banking and monetary policy, and international economics. No credit granted

if credit has been earned in ECO 102, ECO 103 or the equivalent of either course.

Lecture: 3 hours — *IAI:* S3 900

ECO 102◇ Macroeconomics

3 credits

Modern economic theory and public policy, including fiscal policy, monetary policy and contemporary macroeconomic problems are discussed.

Lecture: 3 hours — *IAI:* S3 901

ECO 103◇ Microeconomics

3 credits

Learn about supply-and-demand analysis, market structures, resource allocations and contemporary microproblems.

Lecture: 3 hours — *IAI:* S3 902

ECO 105◇ Consumer Economics

3 credits

This course covers the consumer's private and public role in the U.S. economic system, the role of values in the allocation of consumer resources to alternative uses, techniques of money management, and knowledge and skills that contribute most to the consumer's and society's welfare.

Lecture: 3 hours

ECO 150◇ Money, Credit & Banking

3 credits

Explore the monetary and banking systems, the Federal Reserve System, price fluctuation, foreign-exchange financing, specialized financial institutions in the United States and monetary theory.

Prerequisite: ECO 102◇ or ECO 103◇

Lecture: 3 hours

ECO 170◇ Statistics for Business and Economics

3 credits

Covers the basic concepts of statistical analysis used in business decision making and methods of analyzing quantitative economic and business data. The student will learn how to work out basic problems and be able to apply different statistical techniques. The following concepts and techniques are included: descriptive statistics, measures of central tendency and variability, probability, random variables, binomial and normal distributions, sampling distributions, large and small sample statistical inference, including estimation and hypothesis testing, the chi-square distribution, linear regression and

correlation and an introduction to the use of computers in statistical analysis.

Prerequisite: MAT 110◇ or placement into calculus or finite math

Lecture: 3 hours — *IAI:* M1 902; BUS 901

ECO 171◇ Elements of Statistics II

3 credits

Correlation and regression, sampling, index numbers, time series and "goodness-of-fit" tests are covered. This course is to be a continuation of ECO 170◇ for a year-long study of statistics.

Prerequisite: ECO 170◇

Lecture: 3 hours

ECO 296◇ Special Topics in Economics

1-4 credits

Provides exposure to international topics and problems in the field of economics. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences. Course may be repeated an additional three times, but not more than eight hours may be used for a student to complete the degree requirement of a program.

Lecture: 1-4 hours

Education Courses**EDU 055 Basic Skills Review**

2 credits

Provides students with an overview of structure, format and content of the Illinois Basic Skills Test needed for Illinois Certification. The satisfactory passing of the Basic Skills Test is a requirement for completion of the Associate in Arts Teaching (AAT) degrees and acceptance into four-year teacher preparation programs. Course may be repeated for a maximum of three times.

Lecture: 2 hours

EDU 105◇ Technology for Educators

3 credits

Designed to give present and future educators a broad overview of the technologies available for use in the classroom, as well as educational support for instruction. Allows teachers to model and apply technology standards for students as they design, implement and assess learning experiences. Course objectives are aligned with the Illinois Standards for Teacher Education (ISTE) and National Educational Technology

Standards for Students (NETS).
(formerly VIC)

Lecture: 2 hours

Laboratory: 2 hours

EDU 110◇ Diversity of Schools and Society

3 credits

Social and global perspectives: how schooling is shaped by the social contexts in which it occurs, particularly in multicultural and global contexts.

Lecture: 3 hours

EDU 200◇ Introduction to Special Education

3 credits

A survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics of individuals with disabilities, the programs that serve them under the Individuals with Disabilities Education Act, and the diversity of the populations of individuals with disabilities.

Prerequisite: ECE 110◇ or EDU 206◇

Lecture: 3 hours

EDU 203◇ Portfolio Development for Educators

1 credit

Provides students with the tools needed to develop and manage an electronic portfolio for use in tracking program achievement aligned with the Illinois Professional Teaching Standards. Students will create standard-based portfolio templates that meet accreditation requirements. Students entering into an education program must develop and track course work throughout their studies in an electronic format to be used for assessing achievement relevant to educational course work and work with the Illinois Professional Teaching Standards.

Lecture: 1 hour

EDU 206◇ Human Growth and Development

3 credits

A study of human growth and development from conception through adulthood utilizing developmental theories and research methods. All major areas of development, including physical, social, emotional and cognitive changes will be addressed, including interaction of these areas.

Prerequisite: PSY 100◇

Lecture: 3 hours

EDU 207◇ Introduction to Education

3 credits

Provides an introduction to teaching as a profession in the American education system. Offers a variety of perspectives on education, including historical, philosophical, social, legal and ethical issues in a diverse society. Includes organizational structure and school governance. A clinical component is required.

Prerequisite: Placement into RHT 101◇

Lecture: 3 hours

Laboratory: 2 hours

(course fee required)

EDU 208◇ Introduction to the Foundations of Reading

3 credits

Introduction to theory and practice in teaching reading and related language arts areas. Includes information on basic components of reading instruction and language arts instruction and the importance of literacy learning. Also includes an introduction to Illinois Learning Standards in the areas of reading and language arts.

Prerequisite: ECE 110◇ or EDU 206◇ and ECE 111◇ or EDU 200◇

Lecture: 3 hours

EDU 209◇ Language Development

3 credits

A study of normal language development from birth through school age and an understanding of how children may progress through language development stages at differing rates. The learner also will develop an understanding of the effects of diversity, including cultural and linguistic diversity on language development.

Prerequisite: ECE 110◇ or EDU 206◇

Lecture: 3 hours

EDU 215◇ Educational Psychology

3 credits

The application of psychology principles underlying educational practice. Theories concerning cognitive and psychological development, human learning and motivation are studied with emphasis on application for instruction, including assessment. Emphasis also will be placed on learner-centered instruction and diversity.

Prerequisite: ECE 142◇ or PSY 100◇

Lecture: 3 hours

Emergency Management Courses

EMP 101◇ National Incident Management System (NIMS)

1 credit

Provides an introduction to the National Incident Management System (NIMS). Also focuses on the public information systems and resource management components. Upon successful completion of this course, students will be eligible to take the qualifying examination for IS-700 from FEMA. (formerly Introduction of Incident Command & National Incident Management System (NIMS))

Lecture: 1 hour

EMP 102◇ Basic ICS and Application Towards Single Resource & Initial Action Incidents

1 credit

Provides training of and resources for personnel who require a basic understanding of the Incident Command System (ICS), and the ability to operate efficiently during an incident or event within ICS. (formerly ICS for Single Resources, Initial Action Plans and National Response Plan)

Prerequisite: EMP 101◇ or concurrent enrollment

Lecture: 1 hour

EMP 103◇ Intermediate Incident Command System

1 credit

Enables students to function as supervisors in an ICS environment.

Prerequisite: EMP 102◇

Lecture: 1 hour

EMP 111◇ Principles of Emergency Management & Planning

4 credits

Introduction to the fundamental aspects of emergency management. Also designed to walk participants through the EOP development process and provide opportunities to work as a team to create an effective, up-to-date EOP that conforms to current FEMA guidelines.

Lecture: 4 hours

EMP 112◇ Emergency Management Operation

2 credits

Improves the ability to manage emergencies through preparedness, response, recovery and mitigation.

Prerequisite: EMP 111◇ or concurrent enrollment

Lecture: 2 hours

EMP 113◇ Emergency Planning & Special Needs Populations

2 credits

Provides skills and knowledge needed to prepare for, respond to, recover from and mitigate against emergency situations.

Lecture: 2 hours

EMP 121◇ Introduction to Mitigation

1 credit

Provides an overview of the basic mitigation knowledge that is needed to introduce individuals to the field of mitigation and hazards threatening the community.

Lecture: 1 hour

EMP 122◇ Mitigation for Emergency Workers

2 credits

Provides participants with the opportunity to learn and apply skills that will enable them to carry out mitigation responsibilities in accordance with the National Mitigation Strategy and applicable regulations and standards.

Prerequisite: EMP 121◇

Lecture: 2 hours

EMP 131◇ Emergency Operations Center (EOC) Management and Operations

2 credits

Designed to provide State and local emergency management officials with the knowledge and skills they need to operate the EOC.

Lecture: 2 hours

EMP 132◇ Incident Command System/Emergency Operations Center Interface

1 credit

Designed to enable participants to develop ICS/EOC interface implementation strategies or action plans. Reviews the ICS and EOC models of emergency management operations, including

coordination, communication and chief executive decision-making.

Prerequisite: EMP 102◇ and EMP 131◇, or concurrent enrollment in EMP 102◇

Lecture: 1 hour

EMP 141◇ Basic Public Information Officers (PIO)

2 credits

Provides participants with the basic skills needed to perform their public information duties as they relate to emergency management. Focuses on the definition of the job of the public information officer, with an emphasis on emergency management.

Lecture: 2 hours

EMP 151◇ Resource Management

1 credit

Designed to provide resource management coordinators with the knowledge and skills they need to perform resource management functions within the overall framework of the Emergency Operations Center (EOC).

Lecture: 1 hour

EMP 161◇ Disaster Response/Recovery Operations & RAPID Assessment

3 credits

Designed to introduce the individual to basic concepts and operations of a disaster environment, especially in terms of major disaster incidents and to broaden and enhance their understanding of State and local roles and responsibilities and their importance to the overall response and recovery effort. Also prepares students in performing rapid assessment accurately.

Lecture: 3 hours

EMP 201◇ Debris Management

2 credits

Provides emergency management personnel at all levels with an overview of issues and recommended actions necessary to plan for, respond to and recover from a major debris-generating event, with emphasis on local and State level responsibilities.

Lecture: 2 hours

EMP 211◇ Basic Skills in Emergency Program Management

4 credits

Enables students to understand and be able to use proper leadership/influence,

decision-making, problem solving and effective communication in an emergency management situation.

Prerequisite: EMP 112◇

Lecture: 4 hours

EMP 221◇ The Role of Voluntary Agencies in Emergency Management

1 credit

Designed to increase awareness of the roles and responsibilities of voluntary agencies in emergency management.

Lecture: 1 hour

EMP 222◇ Developing Volunteer Resources

1 credit

Designed to improve participants' skills in recognizing volunteer resources in the community, enhance participants' ability to manage the involvement of volunteers in all phases of emergency management and broaden participants' thinking about the benefits of volunteer involvement. (formerly Developing Resource)

Prerequisite: EMP 221◇

Lecture: 1 hour

EMP 223◇ Donations Management

1 credit

Intended to introduce individuals to the concept of donations management and their roles and responsibilities in the donations management process.

Prerequisite: EMP 221◇

Lecture: 1 hour

EMP 231◇ An Orientation to Community Disaster Exercises

1 credit

Designed to provide an opportunity to learn about community disaster exercises and introduce the skills required to successfully design exercises that test a community's disaster response capabilities.

Lecture: 1 hour

EMP 232◇ Exercise Design

1 credit

Intended to provide participants with the knowledge and skills to develop and conduct disaster exercises that will test a community's emergency operations plan and operational response capability.

Prerequisite: EMP 231◇

Lecture: 1 hour

EMP 233◇ Exercise Program Manager-Management Course

2 credits

Designed to support the training of exercise program managers and personnel with the responsibility of exercise program management in federal, state and local government and private sector organizations.

Prerequisite: EMP 231◇ and EMP 232◇

Lecture: 2 hours

EMP 241◇ Hazardous Weather and Flood Preparedness

1 credit

Designed to help students understand the appropriate responses to hazardous weather, flood hazards and flood flight operations. (formerly Hazardous Weather, Flooding & Hurricane Planning)

Lecture: 1 hour

EMP 242◇ Warning Coordination & Maintaining Spotter Groups

2 credits

Intended to enhance understanding the basics of coordinating a warning system for emergency and the ability to work with and strengthen the spotter network.

Prerequisite: EMP 243 or concurrent enrollment

Lecture: 2 hours

EMP 243◇ Hazardous Weather, Flooding & Hurricane Planning

2 credits

Designed to assist in understanding latest methods, techniques and lessons learned for developing flood and hurricane planning.

Prerequisite: EMP 241◇

Lecture: 2 hours

Emergency Medical Services Courses**EMS 121◇ First Responder**

3 credits

Designed to provide the student with the core knowledge, skills and attitudes to function in a 'first responder' capacity, prior to the arrival of an ambulance. Students will learn airway management, control of bleeding, splinting, oxygen therapy, extrication and medical, environmental and other emergencies. Students who successfully complete the requirements of this course will become

eligible for licensure as a first responder with the Illinois Department of Public Health EMS Division.

Lecture: 2.5 hours

Laboratory: 1 hour

(course fee required)

EMS 131◇ Emergency Medical Technician-Basic

6 credits

Emergency Medical Technician-Basic's "EMT-B" are trained in basic emergency skills and rescue techniques, based on the guidelines and recommendations of the U.S. DOT National Standard Curriculum and the Illinois Department of Public Health Division of Emergency Medical Services. Upon completion, students become eligible to take the state licensure exam.

Prerequisite: High school graduate or GED, valid CPR card (Health care Provider CPR certification), and placement or concurrent enrollment at college-level reading and writing.

Lecture: 5 hours

Laboratory: 2 hours

(course fee required)

EMS 151◇ Paramedic I

4 credits

Covers the roles and responsibilities of being a paramedic and is based on the Illinois Department of Public Health Paramedic Curriculum. **This course is only open to students enrolled in the Leadership for Paramedic degree program.** (formerly FIR 211)

Prerequisite: Successful completion of EMS 131◇ and a licensed EMT-B for more than six months.

Lecture: 3 hours

Laboratory: 2 hours

EMS 152◇ Paramedic II

3 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers airway management and patient assessment. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 151◇ or concurrent enrollment with EMS 151◇

Lecture: 2 hours

Laboratory: 2 hours

EMS 153◇ Paramedic III

3 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers care and treatment of the trauma patient. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 152◇ or concurrent enrollment with EMS 152◇

Lecture: 2 hours

Laboratory: 2 hours

EMS 154◇ Paramedic IV

6 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers care and treatment of the medical patient. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 153◇ or concurrent enrollment with EMS 153◇

Lecture: 5 hours

Laboratory: 2 hours

EMS 155◇ Paramedic V

3 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers special considerations -and assessment-based management. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 154◇ or concurrent enrollment with EMS 154◇

Lecture: 2 hours

Laboratory: 2 hours

EMS 156◇ Paramedic VI

2 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers how to manage the emergency scene. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 155 or concurrent enrollment with EMS 155

Lecture: 1 hour

Laboratory: 2 hours

EMS 157 Paramedic VII

3 credits

Provides a continuation of the EMT-Paramedic curriculum based on the Illinois Department of Public Health Paramedic Curriculum. Covers required clinical/observation time all paramedic students must complete. **This course is only open to students enrolled in the Leadership for Paramedic degree program.**

Prerequisite: Successful completion of EMS 156 or concurrent enrollment with EMS 156

Laboratory: 18 hours

EMS 161 EMS Lead Instructor

3 credits

Based on the guidelines and recommendations of the Emergency Medical Services Highway Safety Program and the Illinois Department of Public Health Division of Emergency Medical Services. Designed to educate EMS professionals how to teach EMS related classes. Detailed information related to the creation of course objectives, lesson plans, presentation skills, learning styles, goals and objectives are covered. Upon completion, students will become eligible to take the Illinois Department of Public Licensure exam for EMS Lead Instructor.

Prerequisite: Four years of experience in pre-hospital emergency care; at least two years of documented teaching experience and approval of program coordinator

Lecture: 3 hours

(course fee required)

EMS 191 Risk Management in EMS

2 credits

Focuses on legal liability, testimony, documentation, torts, case studies, mock trials, workplace risk management strategies and a discussion of basic medical ethics as they apply to EMS providers.

Prerequisite: Admission to EMS Leadership curriculum or consent of instructor

Lecture: 2 hours

English/Literature & Composition Courses

ENG 101 Introduction to Poetry

3 credits

Exposes students to wide range of British and American poets while the students develop a framework and vocabulary from which they may intelligently approach poetry. They will react to and evaluate the poetry and their works.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 903

ENG 102 Introduction to Drama

3 credits

An introduction to drama through reading, discussion, interpretation and viewing representative plays. Topics may include selections from Greek, Elizabethan, Modern English, Continental and American Drama.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 902

ENG 103 Introduction to Fiction

3 credits

Students learn to analyze, discuss and write critically about the elements of fiction, plot, character, theme, structure, point of view, setting, symbolism and style as they occur in the short story and the novel.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 901

ENG 105 Literature of the Western World

3 credits

A broad survey of literature of the Western World from ancient times to the present, examining both writers of English and writers of foreign language masterpieces in English translation.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 906

ENG 113 Classic American Authors Pre-Civil War

3 credits

An introduction to the writers from the Puritan culture, the Revolution, the 18th century and the Romantic Movement, including Franklin, Poe, Emerson, Thoreau, Hawthorne, Melville and Whitman.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 914

ENG 114 Classic American Authors, Civil War to Present

3 credits

An introduction to American authors from Whitman to present, including Dickinson, Twain, James, Crane, Hemingway, Faulkner, West, Frost, Eliot and others.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 915

ENG 170 Children's Literature

3 credits

Students learn to analyze, discuss and write critically about the elements of fiction, plot, character, theme structure, point of view, setting, symbolism and style as they occur in picture book, poetry, traditional literature, realistic literature, fantasy, historical fiction and informational books and biographies.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours

ENG 231 Introduction to Shakespeare

3 credits

The study of William Shakespeare will include an examination of the times in which he lived, the material he has written, and a review of critical analysis based upon his work. In a survey course of this kind, it would be impossible to make an exhaustive study of all Shakespeare's works and those studies relating to him. We can, however, through a careful selection of his plays and related work gain a broader insight into the scope of Shakespearian scholarship.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours — IAI: H3 905

ENG 285◊ The Short Story

3 credits

Introducing short stories as a unique means of transmitting ideas and creative principles.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours

ENG 288◊ Twentieth Century American Novel

3 credits

A critical study of the American novel of this century. An analysis of themes and techniques of the modern novel as it illumines problems relating to self and society.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours

ENG 296◊ Special Topics in Literature

3 credits

This course provides a study of international topics and problems in literature through readings, discussion, guided research and field trips. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Prerequisite: RHT 102◊

Lecture: 3 hours

Engineering Technology Courses

ENT 103◊ Introduction to Automation

3 credits

Introduction to automation from the perspective of Kaizen/Lean manufacturing, including the review of methods used in reducing business-process cycle times, increasing throughput, and the elimination of waste and bottlenecks, cost effectively. Major topics include understanding when and how to integrate automation in manufacturing and process control. Related topics address the role of CAD/CNC in this

process, along with team group approach, software integration, product planning and handling.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 104◊ Electricity Fundamentals

3 credits

Introduction to the basics of electricity and electronics, up to PLCs. Topics include both the theory and application of DC and AC electric motors, soldering/de-soldering, wiring, wire diagrams, nomenclature, assembly and disassembly of electromechanical systems, such as robots.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 110◊ Production Drawings & CAD

4 credits

An introduction to mechanical blueprints, including reading, sketching and the use of software used in the design of mechanical components. Sketching, lettering, orthographic projections, descriptive geometry, point, line, basic geometric shapes will be covered. The student will demonstrate the use of menus, layers, fonts and weights. Basic dimensioning, tolerancing and pictorial drawings will be covered. *This class needs to be taken in the first semester of joining the Engineering Technology program.* (formerly Mechanical Blueprint Reading/Engineering Graphics)

Lecture: 3 hours

Laboratory: 2 hours

(course fee required)

ENT 111◊ Metrology with Geometric Dimensioning and Tolerancing

3 credits

Covers the application of geometric dimensioning and tolerancing. Emphasis is placed on part measurements for quality control purposes, from datum plane referencing for fit and finish, functional gaging to interpreting GD&T symbols on various types of industrial drawings, such as machine tool, welding, forging and plastic parts. Instrument accuracy and GRR (gage repeatability and reproducibility) are covered with the proper use and application of precision measuring instruments. An excellent course for anyone looking to do Quality

Control and/or work in an R&D testing environment. *This class needs to be taken in the first or second semester of joining the Engineering Technology program.* (formerly Dimensional Metrology)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 115◊ Fluid Power

3 credits

Principles and laws of fluid power (pneumatics and hydraulics). Fluid-power symbols, circuits and components are included in the lecture and lab format. Emphasis is on student lab experiments and problems.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 116◊ Fabrication Processes

3 credits

Fabrication processes of various mediums (metal, polymer, wood) are covered, from hand and bench operations with basic machine setups and operations on the drill press, bench grinder, lathe, vertical milling machine and vertical band saw, to various other processes in fabrication. The use of precision layout and measuring tools, as well as sharpening cutting tools is included. (formerly Manufacturing Systems)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 117◊ Automated Fabrication Processes I

3 credits

Beginning level course in programming of CNC-controlled equipment, from turning and milling machinery to robots, including setup and operations. Tool selection, speeds feeds and process planning are presented. Use of 3D CAD software to interface with programming of equipment is covered. (formerly Automated Machining)

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

ENT 118◊ Automated Fabrication Processes II

3 credits

Advanced level course in programming of CNC-controlled fabrication equipment, focused on turning and milling machinery, also including robots, as well as

incorporating the use of 3D CAD software to interface with machinery. Machining of complex geometry for mill and lathe, are covered in the course. (formerly Automated Machining II)

Prerequisite: ENT 117◊

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 119◊ Machine Elements

3 credits

Practical course with topics in belt drives, chain drives, gears, mechanical power-transmission and screw threads. Alignment, maintenance and installation of different drive systems with emphasis on state-of-the-art equipment are covered. (formerly MTT 135, Machinery Component I)

Lecture: 3 hours

(course fee required)

ENT 123◊ Technical Physics

4 credits

Principles of physics designed to provide students with a mathematically-based (non-calculus) understanding of mechanics, heat and sound. Designed for the student going into a technology field and focuses on the application side of these principles. Topics include understanding how efficiencies are built into a system, from alternative energy sources to maximize existing forces of linear and rotational motion. *This course should be taken in the second year of being in the Engineering Technology program.*

Prerequisite: MAT 111◊ or MAT 114◊

Lecture: 3 hours

Laboratory: 2 hours
(course fee required)

ENT 127◊ Materials Manufacturing & Testing Processes

3 credits

Provides the students with an understanding on the various methods of product fabrication and the manufacturing processes for economic decision-making in manufacturing and product design. Other topics include the interrelationship among materials, their selection for use in product design and processes and how to convert materials into finished components. (formerly ENT 210, Manufacturing Processes)

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 201 Residential Wiring: Installation & Repair

3 credits

Introductory course covering many aspects of residential wiring and the related areas of motors, low-voltage circuits, telephone wiring, and electrical math. Provides students with a sound background in electrical principles and practices with all content reflecting National Electrical Code (NEC).

Prerequisite: ENT 104◊

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 204 PLC Fundamentals

3 credits

Introduction to the principles of Programmable Logic Controllers (PLCs) and their application in industrial controls. Topics covered are PLC hardware, number systems and codes, logic, PLC programming, wiring and ladder diagrams, programming timers, programming counters and sensors.

Prerequisite: ENT 104◊

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 205 Robotics I

4 credits

Introductory robotics course that includes applications, assembly, and programming (using LabView for Lego NXT), sensors, motors, drive configurations, software tools and visual interface.

Prerequisite: ENT 104◊

Lecture: 3 hours

Laboratory: 2 hours
(course fee required)

ENT 215◊ Basic Pro-E

3 credits

Basic commands used in the creation of engineering drawings with Pro-E software, including inserting basic geometric features and revising various types of geometry. Taught in a combined, collaborative environment with and alongside students from ENT 218◊ in order to be able to learn from other students' efforts, share ideas, and learn how to work as a team. Students work independently for a portion of each class.

Prerequisite: ENT 252◊ or concurrent enrollment

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 218◊ Intermediate Pro-E

3 credits

An intermediate course using Pro-E commands and procedures. Students will create basic parts, drawings and assemblies. Taught in a combined collaborative environment with and alongside students from ENT 215◊ in order to be able to learn from other students' efforts, share ideas, and learn how to work as a team. Students work independently for a portion of each class.

Prerequisite: ENT 215◊

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 232◊ Geometric Design, Layout & Building

3 credits

Covers graphical solutions of original layouts, developments of surfaces and the ability to find true lengths of lines and sizes of a plane figure to determine a point-view of a line, using AutoCAD. The skills gained are fundamental to industries that deal in metal forming and package design.

Prerequisite: ENT 252◊

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

ENT 252◊ Introduction to Mechanical AutoCAD

2 credits

An introductory level course in AutoCAD. Content will stress the basic commands and proper manipulation of AutoCAD software to produce finished engineering drawings. *This course needs to be taken in the first or second semester of joining the Engineering Technology program.* (formerly Introduction to AutoCAD)

Prerequisite: ENT 110◊ or concurrent enrollment

Lecture: 1 hour

Laboratory: 2 hours
(course fee required)

ENT 255◊ Autodesk Inventor Design & Rendering

2 credits

An introductory-level course to Autodesk Inventor. Content will stress basic commands and proper manipulation of the software, from basic part modeling to assembly drawings and finished/detailed

engineering drawings. (formerly Introduction to Autodesk Inventor)

Prerequisite: ENT 110◇ or concurrent enrollment

Lecture: 1 hour

*Laboratory: 2 hours
(course fee required)*

ENT 257◇ Mechanics for AutoCAD 3D Design and Rendering

2 credits

Introduces students to using AutoCAD for 3D modeling. Content covers 3D design and rendering of part and assembly models in model and layout, along with developing mechanical detail drawings for use in production. (formerly AutoCAD 3D Solids Modeling)

Prerequisite: ENT 252◇

Lecture: 1 hour

*Laboratory: 2 hours
(course fee required)*

ENT 259◇ CAD Customization & Management

3 credits

Advanced CAD course covering the data management of products, which includes how to exchange multiple CAD products from one product to another without giving away sensitive data, effective management of multiple CAD files, rules to establish a library of common parts, customize the products for optimal performances and troubleshoot linkage issues in assembly files. (formerly AutoCAD Customization)

Prerequisite: ENT 252◇; ENT 215◇ or ENT 255◇ or ENT 280◇

Lecture: 2 hours

*Laboratory: 2 hours
(course fee required)*

ENT 260◇ Jig & Fixture Design

3 credits

Focuses on the design and application of work-holding devices and clamping methods used in manufacturing. Cutting theory, economic processes and continuous quality improvement principles are applied in the analysis of problems. *This course should be taken in the first year, second semester, of being in the Engineering Technology program.*

Prerequisite: ENT 110◇, ENT 111◇

Lecture: 2 hours

*Laboratory: 2 hours
(course fee required)*

ENT 270◇ Machine Design

3 credits

Emphasizes application of principles and manufacturing methods used commercially in the design of machines using continuous quality improvement principles. Students will analyze a task and design a machine composed of the elements that have been studied. Rolling bearings, gears, shaft seals, couplings and springs will be covered. *This course should be taken in the second year, second semester of being in the Engineering Technology program.*

Prerequisite: ENT 123◇, ENT 260◇

Lecture: 2 hours

*Laboratory: 2 hours
(course fee required)*

ENT 280◇ Solidworks Design & Rendering

2 credits

Introductory-level course to Solidworks. Content will stress basic commands and proper manipulation of the software, from basic part modeling to assembly drawings and finished/detailed engineering drawings. (formerly Introduction to Solidworks)

Prerequisite: ENT 110◇ or concurrent enrollment

Lecture: 1 hour

*Laboratory: 2 hours
(course fee required)*

ENT 290◇ Cooperative Work Experience

3 credits

Work experience will integrate classroom theory with on-the-job training. The college will assist the student in securing employment related to the field of study and/or career interests. Under the supervision of the college and the employer, the student participates in job-training experiences.

Prerequisite: 1) completion of 12 college credit hours; two (2) of these courses, in discipline, must be completed; 2) 2.0 minimum ◇.P.A (C' average); 3) approval of Cooperative Education Office

*Clinical Laboratory: 240 hours
(course fee required)*

ENT 291 Cooperative Work Experience

3 credits

Work experience will integrate classroom theory with on-the-job training. The college will assist the student in securing employment related to the field of study and/or career interests. Under the supervision of the college and the employer, the student participates in job-training experiences.

Prerequisite: 1) ENT 290◇ with a "C" grade or better; 2) 2.0 Grade Point Average ("C" Average); 3) Approval of the Cooperative Education Office.

*Clinical Laboratory: 240 hours
(course fee required)*

ENT 295◇ Applied Statics

3 credits

Force systems, resultants and equilibrium, trusses, frames, beams and shear and moments in beams are studied. *This course should be taken in the second year, second semester of being in the Engineering Technology program.* (formerly Mechanics/Mechanisms)

Prerequisite: ENT 123◇, ENT 260◇

Lecture: 2 hours

*Laboratory: 2 hours
(course fee required)*

ENT 296◇ Special Topics in Engineering Technology

0.5-4 credits

Special topics, independent course for the advanced student. With instructor approval and mentoring the student will go through the development of a topic of special interest and related to current industry issues and will work with the instructor towards completing the project. Course may be repeated three times when topics are different.

Prerequisite: Six credit hours in all 200-level ENT prefix courses, except ENT 296◇

Lecture: 0.5-4

*Laboratory: 0-8 hours
(course fee required)*

Eye Care Courses

EYE 100◇ Introduction to Eye Care 2 credits

This course provides instruction in the basic concepts of eye care. Roles, responsibilities, legal/ethical standards and basic patient care procedures are featured.

Lecture: 2 hours

EYE 101◇ Ocular Disease 3 credits

Anatomy of the eye and related pathology, general medical knowledge as it relates to the eye, general and ocular pharmacology are covered.

Lecture: 3 hours

EYE 105◇ Optical Principles 3 credits

Eyeglass dispensing and repair, lensometry, clinical optics, contact lens theory and dispensing. Emphasis on skill development.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

EYE 110◇ Ophthalmic Skills I 4 credits

Theory and techniques of basic ophthalmic skills are presented with an emphasis on skill development. History taking, visual acuity, entrance testing, vital sign measurement, administration of eye drops and instrument maintenance are covered.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

EYE 120◇ Ophthalmic Skills II 4 credits

Theory and techniques of tonometry, basic ocular motility, keratometry, automated visual field testing with an emphasis on skill development and instrument maintenance are covered.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

EYE 130◇ Ophthalmic Office Procedures 2 credits

Eye care office procedures including records management, patient handling, telephone techniques, insurance processing, appointment management,

workplace communication information management, coding, triage and career management. All content is presented as it applies to the eye care profession.

Lecture: 2 hours

Facilities Engineering Technology Courses

FET 101 Indoor Air Quality 4 credits

Comprehensive, specialized training course to equip Facility Engineers with the means to prevent most air quality problems before they happen and to mitigate those problems that do occur. Students who complete the course will be fully prepared to: operate a preventive maintenance program, conduct regular visual inspections, test and balance a system, utilize advanced techniques for environmental analysis, use a preventive maintenance log, prepare streamlined checklists and an Indoor Air Quality (IAQ) log, implement a step-by-step system to resolve occupants' complaints, adopt a practical and realistic approach to air monitoring.

Lecture: 3 hours

Laboratory: 2 hours

FET 105 Commercial Heating and Cooling Systems I 4 credits

Covers the fundamentals of air conditioning and refrigeration, including analysis, adjustment and maintenance of an operating A/C system. Topics include refrigeration physics, evaporators, compressors, condensers, and cycle controls. Students also will learn the principles of troubleshooting, system pressurization, leak testing, evacuation, dehydration and charging.

Lecture: 3 hours

Laboratory: 2 hours

FET 110 Electricity for Facilities Engineers I 4 credits

Provides a foundation in the basics of electricity for students who will go on to study boiler operations and refrigeration. Includes a study of electricity and controls for refrigeration and air conditioning, alternating and direct current, transformers, single- and three-phase motors and controls, commercial

and industrial wiring, electrical meters and testing.

Lecture: 3 hours

Laboratory: 2 hours

FET 115 Commercial Heating and Cooling Systems II 4 credits

Expands on the principles covered in FET 105, Commercial Cooling I, with a focus on service call scenarios to improve ability to diagnose and troubleshoot problems. Includes a review of basic refrigeration systems and recognizing conditions and symptoms that signal trouble in electric, gas, oil, and hydronic heating systems. Students also will learn about humidification and filtration systems, human comfort and psychrometrics, and apply their knowledge of refrigeration to air conditioning systems. Other topics include heat pumps, high pressure, low pressure and absorption chillers, and cooling towers and pumps.

Prerequisite: FET 105

Lecture: 3 hours

Laboratory: 2 hours

FET 125 Testing and Balancing 4 credits

Designed to teach students about instruments and tools of the trade that will help them avoid some of the problems on the job with proper air balancing and testing procedures. Topics include: various types of instruments, such as rpm & pressure, air velocity, temperature, humidity & hydronic instruments; air balancing / flow & pressure basics; general balancing procedures; balancing low pressure constant volume supply systems; balancing return air & toilet exhaust systems; variable air volume systems; ductwork & damper testing; balancing exhaust & residential systems; hydronic balancing / energy conservation; fan design & operation; drives / grilles, diffusers & ak areas; centrifugal pumps; charts & formulas, and troubleshooting.

Lecture: 3 hours

Laboratory: 2 hours

FET 135 Pneumatic and Direct Digital Controls

4 credits

Covers basic terminology, principles, and applications of direct digital controls and pneumatic fundamentals for HVAC monitoring and control. Topics include: interfacing sensors and actuators, microprocessor fundamentals, programmable controllers & programming basics, DDC programming applications, DDC automation & design, air supply/pneumatic controllers, pneumatic relays, final control devices, and control applications.

*Lecture: 3 hours**Laboratory: 2 hours***FET 140 Plumbing Repair and Maintenance**

3 credits

Covers plumbing principles related to the repair and maintenance of plumbing products in commercial facilities. Topics include plumbing tools and equipment, safety, print reading and sketching, plumber's math, replace and repair of various plumbing systems.

*Lecture: 3 hours***FET 201 Understanding Plan Drawings**

2 credits

Introduction to mechanical print reading providing the fundamentals in understanding the types of construction materials used, the different delivery systems available, as well as information on zoning and permitting, fireproofing, green building technology, and insight on Leadership in Energy and Environmental Design (LEED) certification. Expanded topics include construction materials, as well as interpreting drawing symbols and identifying components of a commercial building's mechanical, electrical, plumbing and fire protection systems.

*Lecture: 2 hours***FET 210 Electricity for Facilities Engineers II**

4 credits

Continuation of FET 110, Electricity I, designed to provide training in the more advanced areas of electrical principles, practices, and maintenance in commercial and industrial applications. The training includes more advanced

applications using the tools, components, and troubleshooting practices of circuits, transformers, and electric control devices commonly used in the electrical trade.

*Prerequisite: FET 110**Lecture: 3 hours**Laboratory: 2 hours***FET 215 Basic Boiler Operations**

4 credits

Covers the fundamentals of boiler design, construction, operation and maintenance. Includes a study of combustion of various fuels (air, coal, oil and gas) and accessories such as gauges, regulators and valves, as well as water treatment systems.

*Lecture: 3 hours**Laboratory: 2 hours***FET 220 Energy Conservation**

5 credits

Learn how to conduct complete energy audits and implement conservation programs. Includes calculating energy savings on HVAC, electrical and lighting systems.

*Lecture: 5 hours***FET 225 Facility Sustainability and Green Technology**

5 credits

A comprehensive understanding of facility operations and maintenance and how to integrate building operations with energy, efficiency, sustainability, and green technologies.

*Lecture: 5 hours***FET 230 Critical Systems**

2 credits

Critical systems are those in which defects could have a dramatic impact on human life, the environment or assets. Such systems are expected to satisfy a variety of specific qualities including reliability, availability, security and safety. Learn to interpret reliability and resilience in order to maintain and modify critical facilities systems.

*Lecture: 2 hours***FET 250 Chief Engineer**

2 credits

Designed to introduce standards for developing, implementing and managing programs for the operation and maintenance of all equipment and physical structures. Other objectives include promoting team building

techniques, optimum operating strategies, and introducing concepts to minimize expenses while maximize employee productivity and satisfaction.

*Lecture: 2 hours***Fire Science Technology Courses****FIR 110◊ Fire Protection**

3 credits

Introductory course covering major topics, including history of fire organization, fire protection agencies, organization, equipment, fire-fighting procedures, tactics, fire composition, extinguishing agents, chemical hazards, detection and protection systems, statistics, building construction and fire prevention and investigation.

*Lecture: 3 hours***FIR 129◊ Hazardous Materials**

3 credits

Basic safety and procedural factors relating to the following areas are stressed: recognition and identification of hazardous materials; labeling; flammable liquids, gases, corrosives and poisons; flammable solids; explosives; radioactive materials; oxidizers and organic peroxides; DOT emergency-response guide; EPA, ESDA and related topics.

*Lecture: 3 hours***FIR 135◊ Fire Service Law**

2 credits

This course provides an introductory step toward increasing awareness of legal ramifications of firefighter activities and how they can or cannot be challenged in a court of law.

*Lecture: 2 hours***FIR 150◊ Fire Suppression**

4 credits

Tactics and strategy, structural protection, fire rating and building construction are covered. Emphasis is on MBO, pre-emergency planning, basic command/control, fire-control mechanisms, fire-flow calculations, structural fires, major emergency operations and related topics.

Lecture: 4 hours

FIR 180◇ Fire Prevention

3 credits

This course covers the development and implementation of fire-inspection procedures, a systematic and deliberate inspection program and a survey of national fire codes.

*Lecture: 3 hours***FIR 189◇ Fire Department Administration**

3 credits

Learn about the accepted practical methods as applied to fire-staff functions such as planning, organization, direction, coordination, reporting, budgeting, personnel and training, and related material.

*Prerequisite: FIR 110◇**Lecture: 3 hours***FIR 190◇ Arson**

3 credits

Fire causes and detection are covered. The history, development and philosophy of fire investigation including inspection techniques are covered along with criminal procedures related to various local and state statutes.

*Lecture: 3 hours***FIR 195◇ Fire Department Instructor Training I**

3 credits

This course examines the principles of learning as applied to the adult student. Various methods of instructional techniques, programmed instruction and the use of audiovisual materials are presented. Students develop plans and use them in-service fire department training student teaching.

*Prerequisite: State Certified Fire Fighter II**Lecture: 3 hours***FIR 196◇ Fire Department Instructor Training II**

3 credits

Qualifications of a training officer, objectives of the training program, training facilities, developing curriculum, administering a training program, conference leadership and practice teaching are presented.

*Prerequisite: FIR 195◇**Lecture: 3 hours***FIR 250◇ Fire Apparatus Engineer**

3 credits

Fireground hydraulics, pump operation, maintenance and performance, and various hose layouts are discussed. Practical experience will be provided. Content provides background for the Certified Fire Engineer Examination from the state of Illinois.

*Prerequisite: Firefighter II State Certification and Class C Driver's License**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***FIR 254◇ Fire Supervision & Community Relations**

3 credits

Basic training in fire supervision and community relations is provided, including duties and responsibilities of supervisors.

*Prerequisite: FIR 110◇**Lecture: 3 hours***FIR 275◇ Hydraulics and Fixed Installations**

3 credits

Sprinkling systems, line spacing, actuation, heads, water supply and maintenance are covered.

*Prerequisite: Enrollment in the FIR program**Lecture: 3 hours***FIR 281◇ Building Construction (Fire)**

3 credits

Potentials of a building fire, structural fire elements, fire resistance of structures, safety in buildings, fire extension through a building, high-rise building construction fire problems and current structural fire losses are examined.

*Prerequisite: Enrollment in the FIR program**Lecture: 3 hours***Geography Courses****GEO 104◇ Contemporary World Cultures**

3 credits

Geographic structure of the world; natural, human and cultural regional patterns and their interrelations; and human occupation of the natural environmental regions of the world are covered.

*Lecture: 3 hours — IAI: S4 900N***GEO 105◇ Economic Geography**

3 credits

This course provides an analysis of culturally driven economic patterns and activities resulting from human usage of the world's spatially distributed resources. Third world developing versus high-tech urban are systems used to illustrate extremes. Characteristics of systems are defined. Global areas stressed demonstrate these cultural and economic dimensions.

*Lecture: 3 hours — IAI: S4 903N***GEO 106◇ Regional Geography of Africa and Asia**

3 credits

An introductory study of the regions of Africa and Asia, which emphasizes area and population, physical and cultural landscapes, historical developments, social and economic development and geopolitical issues. (formerly 'Geography of the Developing (Non-Western) World')

*Lecture: 3 hours — IAI: S4 902N***GEO 200◇ Physical Geography: Weather and Climate**

4 credits

Earth's size, shape and motions; Earth coordinate system; map projections; effects of sun and moon on the Earth; nature, distribution and spatial relationships of atmospheric phenomena and ocean circulation are covered.

*Lecture: 3 hours —**Laboratory: 2 hours IAI: P1 909L**(course fee required)***GEO 201◇ Physical Geography: Maps and Land Forms**

4 credits

This course covers the development, nature and distribution of landforms, soils, vegetation and waters of continents and spatial analysis of relationships among physical elements of the landscape.

*Lecture: 3 hours**Laboratory: 2 hours — IAI: P1 909L**(course fee required)***GEO 296◇ Special Topics in Geography**

1-4 credits

Provides exposure to a variety of topics in the field of geography. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences. Course may be repeated an additional three times,

but not more than eight hours may be used for a student to complete the degree requirement of a program.

Lecture: 1-4 hours

Geology Courses

GOL 101◇ Physical Geology

4 credits

Minerals, structures, surface features of the Earth and the processes that have produced them are covered.

Lecture: 3 hours

Laboratory: 2 hours — IAI: P1 907L
(course fee required)

GOL 102◇ Historical Geology

4 credits

Learn about plate tectonics, dinosaurs, mastodons, fossils and the evolution of the Earth and its life.

Lecture: 3 hours

Laboratory: 2 hours — IAI: P1 907L
(course fee required)

Hospitality Industry Administration Courses

HIA 100◇ Culinary Mathematics

2 credits

Designed for the Hospitality Industry Administration student. Covers basic mathematical principles, such as addition, subtraction, multiplication, fractions, decimals, food cost control, portion cost, conversions, percentages, ratios and total yields.

Lecture: 2 hours

HIA 101 Knife Skills

2 credits

Students will learn basic knife skills, including how to hold a knife properly, knife safety, knife sharpening and also will demonstrate the ability to complete the basic knife cuts, such as: brunoise small dice, medium dice, large dice, fine julienne, julienne, battonnet, paysanne, and tornee. Proper fruit and vegetable preparation also will be covered.

Lecture: 1 hour

Laboratory: 2 hours

HIA 110◇ Introduction to Hospitality Industry

3 credits

Learn about hotel and food-service management, focusing on career development, department structure and operations, future trends and the human-

relation skills needed for success in the hospitality industry.

Lecture: 3 hours

HIA 114◇ Introduction to Confectionery Technology

3 credits

Candy production technology, including current manufacturing techniques, local plant tours, research facility visit, basics of chocolate and sugar confectionery techniques and career opportunities in the field are covered.

Lecture: 3 hours

(course fee required)

HIA 115◇ Food Sanitation & Safety

2 credits

Causes and prevention of food-borne illness and accidents are discussed. Stresses food-service workers' responsibilities in safety and protecting public health. Course meets requirements for the Illinois Department of Public Health certification.

Lecture: 2 hours

HIA 117◇ Beverage Management

2 credits

This course covers the basic setup and operation of a fully equipped beverage system. Concentration will be on promotion, preparation and serving of alcoholic beverages and special party drinks. Alcohol laws and production process for distilled spirits and liquors also are covered.

Laboratory: 4 hours

(course fee required)

HIA 118◇ Food Service and Sanitation Refresher

0.5 credit

This course meets the requirement of the Illinois Department of Public Health (IDPH) for the Food Service and Sanitation Manager's re-certification in the state of Illinois. Updates to the most recent Food and Drug Administration Food Code and the Illinois Food Service Sanitation Code are examined. This includes causes and prevention of foodborne illness and the responsibility of the food handler in protecting public health.

Prerequisite: HIA 115◇ or expiring Food Service and Sanitation Manager's Certificate

Lecture: 0.5 hours

HIA 119 Introduction to Sommelier

3 credits

Explore the wine regions of the world. Learn the aspects of viticulture and vinification, professional tools and equipment, wine service, wine temperatures and decanting. The court of Master Sommeliers deductive tasting format, wine list presentation, including sparkling wines, still wines and dessert wines. Also includes an overview of spirits, beers, and cocktails.

Prerequisite: Students need to be at least 21 years old and show proof of age by a valid driver's license or a valid State ID or a valid passport.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

HIA 120◇ Dining Room Service

3 credits

Students are assigned to stations or jobs in the demonstration/staff-dining area for supervised experience in operational procedures. Special emphasis is placed on dining room salesmanship, table service, guest relations, table setting and personal appearance.

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

HIA 122◇ Introduction to Convention Management

3 credits

Learn about the meeting and convention industry, key positions in the field and their job responsibilities including meeting design, program planning, and convention and trade show planning.

Lecture: 3 hours

HIA 123◇ Introduction to Travel & Tourism

3 credits

Examine the travel and tourism industry focusing on airlines, cruise lines, tour operators, travel agents, wholesalers and business travelers. The role of travel and tourism in the hospitality industry will be explored.

Lecture: 3 hours

HIA 124◇ Laminated Doughs

2 credits

Master the techniques in mixing doughs such as danish, sweet roll, croissants, puff pastry and phyllo. Create traditional breakfast pastries, strudel, baklava, Napoleons and the appropriate fillings.

Prerequisite: HIA 115◇ and HIA 128◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

HIA 127◇ Cake & Pastry Decoration

3 credits

Learn the basics of cake & pastry decoration, including production of buttercreams, icing flowers and royal icing decorations. Also learn to decorate and assemble wedding cakes. Rolled fondant and marzipan also discussed.

Prerequisite: HIA 115◇, HIA 128◇

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

HIA 128◇ Introduction to Baking and Pastry

3 credits

Fundamentals of baking and pastry equipment, ingredients, weights and measures, technology, preparation and storage are presented. The production of desserts, breads and rolls also is included.

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

HIA 129◇ Chocolate

2 credits

Fundamentals of working with chocolate; history and various types of chocolate. Students will learn to temper, molded and free-form creations, candies and creation of showpieces.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

HIA 130◇ Culinary Arts Quantity-Food Preparation I

3 credits

Students participate in supervised back-of-the-house activities in conjunction with the faculty-dining operation. Experience is provided in the following areas: basic cooking techniques and preparation of soups, sauces, entrees, vegetables, starches and garnishes. Sanitation, recipe reviews and analysis, and knowledge of tools and

equipment are included.

Laboratory: 6 hours

(course fee required)

HIA 132◇ Nutrition

2 credits

Knowledge of preparation of food in accordance with sound nutrition principles and dietary guidelines is developed. The basic fundamentals of nutrition will be studied.

Lecture: 2 hours

HIA 133◇ Menu Writing

2 credits

Principles and practices of planning, writing and evaluating menus, -recipe costing and menu pricing are discussed. Menu design also is covered.

Lecture: 2 hours

HIA 134◇ Artisan Breads

3 credits

Fundamentals of baking yeast breads, production of rolls, baguettes, bagels and hearth breads. Sourdoughs, ethnic and specialty breads are emphasized.

Prerequisite: HIA 115◇, HIA 128◇

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

HIA 150◇ Food Preparation Essentials & Theory

3 credits

A systematic study of the applications of culinary techniques and principles of food preparations essential to all laboratory cooking classes is presented. Emphasis is on palatability, variety, digestibility and nutrient retention in food preparation.

Lecture: 3 hours

HIA 202◇ Ethnic Cooking-American

1 credit

Secrets and characteristics of ethnic cooking are taught. Concentration is on the techniques of ethnic cuisine and the use of basic culinary art, spices and seasonings in preparation of soups, sauces, fish, poultry, meat and vegetable dishes, as well as how to apply these techniques to other food preparation. There are no prerequisites for the course, but some knowledge of basic culinary terms is expected. Some students may benefit by taking HIA 150◇ prior to this course.

Lecture/demonstration: 1 hour

(course fee required)

HIA 205◇ Ethnic Cooking-Chinese

1 credit

Lecture/demonstration: 1 hour

(formerly HII)

(see HIA 202 for course description)

(course fee required)

HIA 206 Food and Wine Pairing

3 credits

Students will learn the fine art of pairing wines with foods and prepare the dishes in our hands-on laboratory with a culinary instructor who has knowledge in both Culinary Arts and Sommelier. The student will demonstrate the ability to prepare food and pair the dish with the appropriate wine accompaniment.

Prerequisite: HIA 115◇; *Student must be at least 21 years of age and show proof of age by a valid driver's license or a valid State ID or a valid passport.*

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

HIA 207◇ Ethnic Cooking-French

1 credit

Lecture/demonstration: 1 hour

(formerly HII)

(see HIA 202 for course description)

(course fee required)

HIA 208◇ Ethnic Cooking-German

1 credit

Lecture/demonstration: 1 hour

(formerly HII)

(see HIA 202 for course description)

(course fee required)

HIA 209◇ Ethnic Cooking-Mediterranean

1 credit

Lecture/demonstration: 1 hour

(formerly HII)

(see HIA 202 for course description)

(course fee required)

HIA 210◇ Hotel & Motel Front Office Operations

3 credits

Front office procedures, equipment used, forms, personnel qualifications and steps followed from reservations to night audit are covered.

Lecture: 3 hours

HIA 211◇ Ethnic Cooking-Italian

1 credit

*Lecture/demonstration: 1 hour**(formerly HII)**(see HIA 202 for course description)**(course fee required)***HIA 212◇ Ethnic Cooking-Japanese**

1 credit

*Lecture/demonstration: 1 hour**(formerly HII)**(see HIA 202 for course description)**(course fee required)***HIA 213◇ Ethnic Cooking-Mexican**

1 credit

*Lecture/demonstration: 1 hour**(formerly HII)**(see HIA 202 for course description)**(course fee required)***HIA 214◇ Ethnic Cooking-New Orleans**

1 credit

*Lecture/demonstration: 1 hour**(formerly HII)**(see HIA 202 for course description)**(course fee required)***HIA 215◇ Housekeeping for the Hospitality Industry**

3 credits

Professional housekeeping procedures and practices, housekeeping department administration and the areas of responsibility that exist within the framework of the department are discussed.

*Lecture: 3 hours***HIA 216◇ Ethnic Cooking-Polish**

1 credit

*Lecture/demonstration: 1 hour**(formerly HII 215)**(see HIA 202 for course description)**(course fee required)***HIA 217 Mixology**

3 credits

A systematic study of the application of bartending techniques and principals. Students will practice the preparation of classical and fusion-style cocktails in a hands-on laboratory and will recognize equipment and technology used in a professional bar atmosphere. Customer service also will be covered.

Prerequisite: HIA 115◇; Student must be at least 21 years of age. Proof of age will be validated by a driver's license, a valid State

*ID or a valid passport.**Lecture: 2 hours**Laboratory: 2 hours***HIA 218◇ Ethnic Cooking-Spanish**

1 credit

*Lecture/demonstration: 1 hour**(formerly HII)**(see HIA 202 for course description)**(course fee required)***HIA 225◇ Hospitality Supervision**

3 credits

This course covers the management of people in the hospitality industry emphasizing the necessary communication skills needed to motivate employees, training techniques and personal development.

*Prerequisite: HIA 110◇**Lecture: 3 hours***HIA 227◇ Advanced Cake Decoration**

3 credits

Students will continue to explore advanced cake decorating techniques improving their skills and knowledge as a professional cake decorator. Students will learn: Marzipan work, rolled fondant, pastillage, gum paste and sugar cooking techniques. Further study of butter cream production and cake assembly are included.

*Prerequisite: HIA 127◇ and HIA 128◇**Lecture: 1 hour**Laboratory: 4 hours**(course fee required)***HIA 228◇ Specialty Baking & Pastry**

3 credits

Advanced pastries and classical desserts, which include the preparation of petit fours, cakes, cake decoration, chocolate and marzipan work, and other methods of cake decorating are presented. Also includes a summary and review of baking fundamentals.

*Prerequisite: HIA 128◇**Lecture: 2 hours**Laboratory: 3 hours**(course fee required)***HIA 250◇ Hospitality Marketing**

3 credits

Learn about the principles of public relations and advertising in print as well as quality evaluation of radio and TV advertising with major emphasis on promotion and merchandising.

*Lecture: 3 hours***HIA 255◇ Culinary Arts-Garde Manger**

3 credits

Basic garde-manger (cold-food preparation) principles; functions and duties of the garde-manger department as they relate and integrate with other kitchen operations are covered.

*Lecture: 1 hour**Laboratory: 4 hours**(course fee required)***HIA 260◇ Culinary Arts Quantity-Food Preparation II**

3 credits

Students continue to gain proficiency in food preparation while developing further expertise in more elaborate food preparation techniques. Various students assume the position of chef, sous chef, banquet chef, etc.

*Prerequisite: HIA 130◇**Laboratory: 6 hours**(course fee required)***HIA 274◇ Retail Bakery Management**

2 credits

Students gain knowledge of managing a retail bakery outlet. Covers menu writing, food cost control, customer service, human resource management, bakery organization, inventory control and bakery production.

*Prerequisite: HIA 128◇**Lecture: 1 hour**Laboratory: 3 hours***HIA 276◇ Food & Beverage Purchasing/Cost Control**

3 credits

Learn about food and beverage product specifications, purveyor selection, and receiving, storage and control functions.

*Lecture: 3 hours***HIA 277◇ Catering Management**

3 credits

Aspects of planning, preparing and serving catering functions are covered. Students practice skills in laboratory settings by planning, preparing food and serving at special theme functions and buffet events.

*Lecture: 1 hour**Laboratory: 4 hours**(course fee required)*

HIA 280◇ Introduction to Wines & Spirits

3 credits

Alcoholic-beverage classifications, alcoholic-beverage laws, wine regions, purchasing and control, promotion and service are discussed. Selected wines will be tasted.

Prerequisite: Minimum age 21

Lecture: 3 hours

(course fee required)

HIA 285◇ Hospitality Industry Law

3 credits

Legal aspects of the hotel, food and travel business; guests and innkeepers; rights and responsibilities; common crimes against innkeepers; labor problems; and analysis of union contracts are covered.

Lecture: 3 hours

HIA 290◇ Dining Room Management

3 credits

Students learn by managing the laboratory dining facility while observed and supervised by the instructor. Quality-service standards, supervising and training of dining room staff, labor cost and revenue control will be included in this course.

Prerequisite: HIA 120◇

Lecture: 1 hour

Laboratory: 4 hours

(course fee required)

HIA 295◇ Cooperative Work Experience

3 credits

This work experience will integrate classroom theory with on-the-job training. The college will assist a student in securing employment related to the student's major field of study and/or career interests. Under the supervision of the college and the employer, the student participates in job-training experience. In addition to working, the student will be required to participate in at least two one-hour seminars each semester.

Prerequisite: Completion of 12 hours credit, GPA of 2.0 and approval by the co-op faculty sponsor and the Cooperative Education Office

Laboratory: 240 hours

HIA 296◇ Special Topics in the Hospitality Industry

0.5-3 credits

Selected topics in the area of hospitality industry are provided. Topics vary from

semester to semester and information will be available during registration. Courses may be repeated when the topic area is different. A maximum of six credit hours may be used to fulfill graduation requirements.

Lecture: 0-3 hours

Laboratory: 0-6 hours

(course fee may be required depending on topic)

History Courses**HIS 121◇ History of Western Civilization I**

3 credits

Learn about the social, political, cultural and intellectual life of the Western World from early times to the end of the 17th century.

Lecture: 3 hours —

IAI: S2 902

HIS 122◇ History of Western Civilization II

3 credits

Continuation of HIS 121◇, this course covers the time period from the last quarter of the 17th century to the present.

Lecture: 3 hours —

IAI: S2 903

HIS 141◇ World History I

3 credits

Cultural, political, and economic history of the world's cultures to the 16th century. Examines the cultural achievements of the major cultures and changes over time. The course employs a global and comparative perspective.

Lecture: 3 hours —

IAI: S2 912N

HIS 142◇ World History II

3 credits

Cultural, political, and economic history of the world's cultures from the 16th century. Examines the cultural achievements of the major cultures and change over time. The course employs a global and comparative perspective.

Lecture: 3 hours —

IAI: S2 913N

HIS 151◇ History of the United States to 1877

3 credits

Political, social, economic and cultural forces that have shaped American history from colonial times through the Reconstruction era are presented.

Lecture: 3 hours —

IAI: S2 900

HIS 152◇ History of the United States Since 1877

3 credits

This course is a continuation of history of the United States not covered in HIS 151◇.

Lecture: 3 hours —

IAI: S2 901

HIS 155◇ History of the Afro-American in the United States

3 credits

A general survey of Afro-American history, including African origins, the middle passage, abolition, the Civil War, Reconstruction, the Era of Jim Crow, the 20th century Civil Rights Movement and De Facto discrimination. Emphasis also is placed upon the cultural, scientific, religious, literary, social and political contributions of outstanding Afro-Americans.

Lecture: 3 hours

HIS 156◇ African History

3 credits

Learn about the history of Africa from ancient times to the present. Emphasizes the nature of African cultures, change in African history, the impact of imperialism and the growth of nationalism and independence.

Lecture: 3 hours —

IAI: S2 906N

HIS 171◇ History of Latin America I

3 credits

Political, social and economic history of principle Latin American nations, including the origins and development of its peoples and cultures to the period of independence.

Lecture: 3 hours

IAI: S2 910N

HIS 172◇ History of Latin America II

3 credits

Political, social and economic history of principle Latin American nations, including the origins and development of its peoples and cultures from the period of independence to the present.

Lecture: 3 hours —

IAI: S2 911N

HIS 191◇ History of Asia and the Pacific I

3 credits

Cultural, political, and economic history of Asia and the Pacific region including the origin and development of its people and cultures to 1600.

Lecture: 3 hours —

IAI: S2 908N

HIS 192◇ History of Asia and the Pacific II

3 credits

Cultural, political, and economic history of Asia and the Pacific region including the origin and development of its peoples and cultures from 1600.

Lecture: 3 hours — IAI: S2 909N

HIS 210◇ U.S. Civil War and Reconstruction

3 credits

An examination of the period of Civil War and Reconstruction in the United States, which highlights changes in political, cultural (including the role of women), racial, technological, economic and military issues throughout this period.

Prerequisite: Reading assessment test score of 4; or a grade of 'C' or better in RHT 085 or RHT 086

Lecture: 3 hours

HIS 296◇ Special Topics in History

1-4 credits

Provides exposure to a variety of topics in the field of history. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences. Course may be repeated an additional three times, but not more than eight hours may be used for a student to complete the degree requirement of a program.

Lecture: 1-4 hours

Horticulture Courses**HRT 100◇ Introduction to Horticulture**

4 credits

Covers the principles and practices in the development, production and use of horticulture crops, including classification, taxonomy, structure, growth, development, soils, fertilizers, greenhouse, turf, pest management and environmental influences of horticulture crops. All areas of horticulture will be introduced to the student. Discussion on careers in the Green Industry will be explored. (formerly ORN 110, Basic Ornamental Horticulture)

Lecture: 3 hours

Laboratory: 2 hours — IAI: AG 905
(course fee required)

HRT 114◇ Floral Design & Display I

4 credits

Introductory course in the art of floral design. Basic techniques, including taping, wiring, corsage construction and design mechanics will be explored. The history of floral design and its application to the present floral design industry is discussed. Course emphasis is on basic design principals/elements of fresh, dried and all other seasonal items used in the floral industry. Fresh flower handling and processing also will be discussed. The history of floral design and its application to the present also will be explored. (formerly ORN)

Lecture: 2 hours

Laboratory: 4 hours
(course fee required)

HRT 125◇ Plants and Society

4 credits

Exploration of the connection between plants and society. The growth development, diversity, classification, plant breeding, origin, use and impact on our society will be explained. The concepts of identification, use, planting and planning will be explored. (formerly ORN)

Lecture: 4 hours — IAI: L1 901

HRT 126◇ Plant Propagation/ Greenhouse Operations

3 credits

Basic principles in the propagation, care and maintenance of woody and herbaceous plants are examined. Discussion on the growth processes of plants, plant structure and function, propagation practices of both woody and herbaceous plants, fertilization practices, media and fertility, propagation structures, plant problem diagnosis and treatment, selection, planting and general greenhouse operations. Sustainability in plant propagation will be discussed. (formerly Arboriculture/Plant Propagation)

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HRT 127◇ Entomology: Insects, People and Plants

3 credits

Introduces the student to the world of insects, their biology, identification and structure, life cycle, hosts and damages. Control of insects by integrated pest management practices will be explored. Discussion of the impact of insects on the environment also will be emphasized,

including sustainable practices. Prepares students to take the Illinois Pesticide exam. (formerly Entomology: Insects and People)

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HRT 128◇ Plant Pathology

3 credits

The basic principles of plant diseases, life cycles, host plants, symptoms, diagnosis and their control will be studied, along with the impact of diseases on the environment. Selection of control practices, such as resistant plants, cultural prevention measures and use of pesticides also will be presented. Includes discussion on sustainability practices in pathology. Prepares students to take the Illinois Pesticide License exam. (formerly Pathology and Plant Diseases)

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HRT 134◇ Floral Design & Display II

4 credits

Builds on the principles learned in HRT 114◇. Design principles and elements are discussed and practiced in detail. More advanced design styles and techniques are explored. Complete knowledge of varieties of cut flowers offered at the wholesale level and their application to various designs will be discussed. (formerly ORN)

Prerequisite: HRT 114◇

Lecture: 2 hours

Laboratory: 4 hours
(course fee required)

HRT 135◇ Soils and Fertilizers

3 credits

Includes discussion on soil formation, types, classes and groups of soil. The effects of water, nutrients and soil erosion, and its control/management also will be covered. Examines the relationships of soils, artificial growing media, fertilizers and the selection and use of fertilizers to meet plant nutritional requirements. Includes discussion on sustainable practices in soils.

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HRT 140◇ Landscape Construction and Maintenance

4 credits

Principles and practices of proper grounds maintenance and care of woody plants, herbaceous flowers, groundcovers, vines, lawns and other landscape features. Construction aspects needed to accomplish the landscape construction project and related business principles are discussed. Arboriculture techniques, including pruning, woody plant propagation and woody plant care are discussed.

*Lecture: 2 hours**Laboratory: 4 hours**(course fee required)***HRT 145◇ Deciduous Plant Identification**

3 credits

Focuses on the cultural, maintenance, propagation and identification characteristics of selected deciduous trees and shrubs common to northern Illinois. Use of plant keys and deciduous landscape plants in the home landscape will be discussed. (formerly Landscape Plant Identification I)

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***HRT 154◇ Horticulture Internship**

3 credits

On-the-job training designed to prepare students to enter an occupation in horticulture. Duties are carefully supervised to provide a positive learning experience. Students must work a minimum of 240 hours during the academic term at an approved work site and must also attend and participate in a one-hour meeting each week with coordinator and other enrolled students. (formerly ORN, Ornamental Horticulture Internship A)

*Prerequisite: HRT coordinator consent**Lecture: 1 hour**Laboratory: 2 hours (240 hours per term)***HRT 225◇ Evergreens, Vines, Groundcovers**

3 credits

Focuses on the identification maintenance, culture and propagation of selected broadleaf evergreens, needle evergreens, woody groundcovers, and vines common to northern Illinois. Uses of plants in home landscapes will be discussed. (formerly

Landscape Plant Identification II)

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***HRT 240◇ Landscape Design**

4 credits

Covers the principles of residential landscape design and includes basic graphic presentation, site measurements, landscape symbols, layouts, labeling and proper placement of plants into a design. Concepts of balance, form, harmony and focal point will be emphasized. Basic hardscape design practices also will be covered. Discussion will include topics on designing a sustainable landscape. (formerly Landscape Design I)

*Lecture: 2 hours**Laboratory: 4 hours**(course fee required)***HRT 244◇ Specialty Floral Design**

3 credits

Emphasizes wedding floral pieces and special events. Students will create a variety of bridal and church bouquets using various techniques. Emphasis will be placed on conducting wedding consultations and completing the entire wedding scenario. Special emphasis also will be placed on creating floral pieces for special events, such as banquets, etc.

*Prerequisite: HRT 114◇**Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***HRT 250◇ Flower Shop Operation**

4 credits

Covers flower shop operations including merchandising, management techniques, business principles, techniques used in operating a shop, equipment needed and purchasing of materials. Securing material and delivery, comparing retail and wholesale and the connection to big retail outlets also will be covered. Special emphasis on customer relations and services will be explored. (formerly ORN)

*Prerequisite: HRT 114◇**Lecture: 2 hours**Laboratory: 4 hours**(course fee required)***HRT 261◇ Herbaceous Ornamental Plants**

3 credits

Covers the identification, culture and use of selected herbaceous plants, including annuals, perennials, grasses, herbaceous vines and groundcovers, bulbs and wildflowers. Designing with herbaceous plants also will be discussed. (formerly Annuals and Perennials)

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***HRT 265◇ Vegetable and Herb Gardening**

3 credits

Covers the identification, use and culture of selected vegetables and herbs commonly grown in northern Illinois. Use of vegetable and herb gardens in smaller landscapes, as well as larger home landscapes will be discussed. Practical skills in growing and planting vegetables and herbs and their use in culinary pursuits will be explored. Designing home landscapes with these plants also will be covered. (formerly Wild Flowers, Bulbs, Vegetables and Herbs)

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)***HRT 270 Sustainable Landscape Practices**

3 credits

Covers landscape and home gardening practices that provide conservation and sustainable practices to the homeowner. Students will obtain a background in sustainable landscape features and practices, such as green roofs, water gardens, natural gardens, xeriscaping and other related topics. Also included are common landscape practices that have an adverse effect on the environment and explore solutions to these situations. Introduction to contemporary conservation practices and the use of companion plants in home landscapes.

*Lecture: 2 hours**Laboratory: 2 hours**(course fee required)*

HRT 275 Innovations in Sustainability**4 credits**

Covers innovations in sustainability, including agriculture, horticulture and bio-energy. Students will draw upon their experiences in previous courses to examine and develop possible solutions to environmental issues in sustainability. Student groups will design innovative sustainable projects that can be implemented into society.

*Prerequisite: HRT 270**Lecture: 2 hours**Laboratory: 4 hours
(course fee required)***HRT 282◊ Interior Landscaping/ Tropical Plants****3 credits**

Identification, culture and use of tropical house plants. Exotic plants cultivated in botanic gardens and conservatories are covered. Emphasis on the selection of these plants in planning interior decoration and indoor landscaping will be explored. Terrarium, dish gardens and Bonsai are covered. Course is offered only in the fall of odd numbered years, starting in the fall 2011. (formerly Interior Landscaping/Houseplants)

*Lecture: 2 hours**Laboratory: 2 hours
(course fee required)***HRT 285◊ Turf & Lawn Management****3 credits**

A study of the types and varieties of turf grasses, their culture and maintenance. Lawn and turf establishment and maintenance are discussed. Fertilization, pests and controls, equipment, turf for residences and commercial areas of turf also will be covered. Golf course maintenance will be explained.

*Lecture: 2 hours**Laboratory: 2 hours
(course fee required)***HRT 295◊ Landscape CAD and Graphics****4 credits**

Covers advanced practices of landscape design. Included will be concepts in computer-assisted drafting skills, inking and color rendering, techniques and utilization of landscape plantings and hardscapes features. Emphasizes practical application of software and hardware to

develop working drawings for the landscape. (formerly Landscape Design II)

*Prerequisite: HRT 240◊**Lecture: 2 hours**Laboratory: 4 hours
(course fee required)***HRT 296◊ Special Topics in Horticulture****0.5-3 credits**

Selected topics in the areas of contemporary Horticulture may vary from semester to semester and information will be available during registration in the Horticulture program office. Course may be repeated up to three times when content is different, but only six hours can be used to meet graduation requirements.

*Prerequisite: Consent of coordinator**Lecture: 0.5-3 hours**Laboratory: 0-6 hours
(course fee required)*

Health Education Courses

HTH 104◊ Science of Personal Health**2 credits**

This course places emphasis on the way individuals respond to their environment. Mental health, human sexuality, physical exercise, personal growth and value-clarification lessons are designed to assist students as they deal with stress in living. Preventive measures for correction are stressed.

*Lecture: 2 hours***HTH 110◊ Public Health and Wellness****3 credits**

Introduction to the concepts and principles of public health and wellness. Concentration on the preventative purposes of public health laws and official health agencies will be examined. Environmental origins of disease will be studied in urban, suburban, rural and underdeveloped communities. Emphasis is placed on health and wellness programs in society.

*Lecture: 3 hours***HTH 120◊ Principles of Nutrition****3 credits**

Introduction to the science of nutrition and its relationship to health and wellness. Concepts and functions of the basic nutrients, their digestion, absorption, and

metabolism are analyzed. Supplements, fad diets, body composition, and blood glucose levels are examined. Nutritional influences based on culture, age, socioeconomic factors, and psychological issues are covered. Analysis and application of nutritional concepts to promote human development, health, growth, and disease prevention are emphasized.

*Lecture: 3 hours***HTH 150◊ Health & Modern Life****3 credits**

This course provides a comparison of conventional medical practices to non-conventional (natural healing) methods. Proven alternatives to establish medical practices using the whole-body approach of alternative healing and positive health behaviors are studied. This course examines quackery, learned helplessness and mind/body relationships as they apply to the immune system.

*Lecture: 3 hours***HTH 175◊ Drug & Alcohol Education****3 credits**

Introduction to the use, misuse and abuse of alcohol and drugs. The implication of drugs on the psychological, physical and social functioning of humans will be examined. Identification of various classes of drugs will be addressed including those legal, illegal and prescribed.

*Lecture: 3 hours***HTH 181◊ CPR Certification/Re-Certification****1 credit**

Certification/re-certification in cardiopulmonary resuscitation skills and techniques are covered. May be repeated for a maximum of four accrued credits, however, only one credit hour may be applied towards certificate/degree.

*Lecture: 1 hour***HTH 210◊ Diet, Weight Control & Exercise****3 credits**

Designed for students who are interested in changing lifestyle, eating and exercise habits, this course emphasizes the practical application of current information relating to weight loss, physical fitness improvement, weight control and proper nutritional habits. A physical assessment is given at the beginning and end of the course and includes the following components: flexibility, lung capacity,

blood pressure, height, weight, body-fat percentage, grip strength, girth, body density, a treadmill electrocardiogram and an individualized exercise prescription.

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HTH 213◇ Lifestyle for Health & Fitness

3 credits

This course is designed as a continuation of the positive eating and exercise habits begun in HTH 210◇. Personal life-styles are responsible for much of the unnecessary disease and disability in the United States. Unhealthy habits can be changed; the key lies in an individual making the commitment to change. Students will participate in two hours of organized physical fitness activities each week, in addition to the lecture hours, and take a physical fitness assessment at the end of the course.

Prerequisite: HTH 210◇

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HTH 220◇ Athletic Training Techniques

3 credits

Duties and responsibilities of an athletic trainer are covered, including fundamental principles and techniques of injury prevention, recognition, emergency care and rehabilitation; supportive taping and wrapping techniques; and budgeting for, ordering supplies for and operating a training-room facility.

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HTH 221◇ Sport Specific Training and Rehabilitation

3 credits

Provides students with the principles and theories of sport rehabilitation and training. The student will learn principles of athletic training based on specific sports, including conditioning, periodization training and rehabilitation from sport injuries. Modalities, progressive resistive exercises, flexibility training and sport specific drills will be covered.

Lecture: 2 hours

Laboratory: 2 hours
(course fee required)

HTH 281◇ First Aid & CPR

2 credits

Fundamentals of first aid and cardiopulmonary resuscitation are covered. Students have the opportunity to earn certification through the American Red Cross in standard First Aid and CPR.

Lecture: 2 hours

(course fee required)

Humanities Courses

HUM 101◇ The Popular Arts

3 credits

A study of contemporary culture, especially popular culture, which concerns art forms produced for the mass audience and presented through the mass media. The emphasis in this course is on the print media. The central question for this course is the question of values.

Lecture: 3 hours

HUM 102◇ Mass Media and Culture

3 credits

Contemporary culture, especially popular culture, which concerns art forms produced for the mass audience and presented through the mass media. Emphasis is on the electronic media, film and television. The central question for the course is the question of values.

Lecture: 3 hours

HUM 104◇ Humanities Through the Arts

3 credits

An interdisciplinary survey of art, music, literature and philosophy and their relation to the humanities.

Lecture: 3 hours — IAI: HF 900

HUM 105◇ Humanities Through the Arts II

3 credits

This course is a continuation and further elaboration of the themes and genres of the Humanities through selected works of art, music, literature, philosophy and drama, originally investigated in HUM 104◇. The course is a thematic- or genre-based interdisciplinary study of selected works of art, music, literature and philosophy. HUM 105◇ will introduce new themes and genres not covered in HUM 104◇. The courses may be taken in either order.

Lecture: 3 hours

HUM 120◇ Humanities: The Worker in America

1 credit

American work ethic and its influence on the individual, the family and society through writings of selected contemporary authors such as Henry Ford, Andrew Carnegie, Upton Sinclair and John Steinbeck are discussed.

Lecture: 1 hour

HUM 122◇ Humanities: Modern Architecture

1 credit

Review the development of the skyscraper, which originated in Chicago, the birthplace of modern architecture.

Lecture: 1 hour

HUM 124◇ Professional Ethics

1 credit

Analyze and express basic tenets of an ethical and moral philosophy with special regard to their impact on professional careers. The relationship between ethical systems and various professional groups and organizations is examined through the lens of specific and current topics, including the rights and responsibilities of employers and employees.

Lecture: 1 hour

HUM 125◇ The Individual & Technology

1 credit

For technologically oriented students, the course is designed to illustrate how science and the humanities are interdependent socially, politically and philosophically. Such topics as "man, the tool user," the atom and cloning are discussed.

Lecture: 1 hour

HUM 126◇ Modern Business Ethics

1 credit

Analyze and express basic tenets of an ethical and moral philosophy with particular emphasis on their relationship to the business world. Understand the link between ethics and business organizations, with special regard to current trends in business, through the use of topical discussions of current events, such as environmental concerns and social responsibility of business.

Lecture: 1 hour

HUM 1510 Great Books of the West I

3 credits

Reading and analysis of representative masterpieces from a variety of nationalities and epochs. Focuses primarily upon texts of the Western tradition composed between Antiquity and the Renaissance. (formerly Great Books I)

Lecture: 3 hours — IAI: H3 906

HUM 1520 Great Books of the West II

3 credits

Reading and analysis of representative masterpieces from a variety of nationalities and epochs. Focuses primarily upon texts of the Western tradition composed between the Renaissance and the present. (formerly Great Books II)

Lecture: 3 hours — IAI: H3 907

HUM 1650 Introduction to the Latin American Experience

3 credits

The history of the intellectual and cultural development of Latin-America. This course will examine the origins of this non-western culture beginning with pre-Colombian civilizations and continue into contemporary Latin America. Adaptations to and influence on Western culture in political, social and economic development also will be discussed.

Lecture: 3 hours — IAI: H2 903N

HUM 1700 Introduction to Women's and Gender Studies

3 credits

An introductory course that examines the constructions of masculinity and femininity. Explores how gender is influenced by race, class, culture and sexuality. Exposes students to the fundamental arguments, theories and histories of women's and gender studies through an engagement of images, texts and film.

Prerequisite: Writing and Reading assessment test score of 4; or a grade of 'C' or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours —

HUM 2960 Special Topics in Humanities

1-4 credits

This course provides an interdisciplinary exposure to various aspects of the humanities through readings, discussion, lecture, guided research and field trips. Topics vary from semester to semester. Topics must be approved by the dean of the School of Arts and Sciences. Course may be repeated an additional three times, but not more than eight hours may be used for a student to complete the degree requirement of a program.

Lecture: 1-4 hours
(course fee required)

HUM 2990 Scholars Program Seminar

1 credit

Composed of three components: readings and discussions, outside learning activities including service learning, and sessions devoted to information regarding preparation for transfer to a four-year institution. Course is repeatable for a maximum of three times.

Prerequisite: Scholars Program member

Lecture: 1 hour —

Independent Building Contractor Courses**IBC 100 Introduction to Independent Building Contracting**

1 credit

Introduction to the field of independent building contracting. Small business practices, residential construction techniques including: OSHA, print reading, wood construction, finishing, electrical, plumbing, and cost estimating are covered.

Lecture: 1 hour
(course fee required)

IBC 105 Carpentry: Rough Carpentry

3 credits

Basic framing systems and principles used in residential construction: floor framing, wall framing and roof framing.

Lecture: 1 hour
Laboratory: 4 hours
(course fee required)

IBC 110 Plumbing: Fixtures, Valves and Faucets

3 credits

Basic plumbing principles, focusing on fixtures, valves and faucets. Other topics include practices and the history of plumbing, along with plumbing tools and equipment, safety, and related calculations.

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

IBC 205 Carpentry: Finished Carpentry

3 credits

Installation of finish materials in residential construction. Sheathing, siding, insulation, stairs, flooring, drywall installation and finishing, as well as miter cuts and installation of crown molding, base molding, casing, wainscot paneling, door installation, window installation and roofing. Wall finishing, including paint finishes, wall paper and paneling also will be covered.

Lecture: 1 hour
Laboratory: 4 hours
(course fee required)

IBC 210 Plumbing: Installation and Repair

3 credits

Plumbing principles related to the installation and repair of plumbing products in a residential setting. Topics include plumbing tools and equipment, safety, print reading and sketching, related calculations, and the installation and repair of various plumbing systems.

Lecture: 2 hours
Laboratory: 2 hours
(course fee required)

IBC 230 Interior Preparation: Paints, Wallpaper

3 credits

Preparation and installation of wall finishes in residential construction. Wall finishing, including paint finishes, wall paper and faux finishes will be covered.

Prerequisite: IBC 105
Lecture: 1 hour
Laboratory: 4 hours
(course fee required)

IBC 250 Integrated Sustainable Construction Practices

4 credits

Synthesizes the entire coursework from the degree through a comprehensive capstone project where construction, architecture, sustainability, engineering and business practices are applied.

Prerequisite: BUS 136, ENT 201, IBC 210, IBC 230

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

Interdisciplinary Study Courses**IDS 101◇ The Arts in Western Culture I**

3 credits

A chronologically-based interdisciplinary survey of significant literary, philosophical, visual, architectural, theatrical, musical and other performance-based artistic expressions of Western culture from prehistory to the Renaissance.

Lecture: 3 hours *IAI: HF 902*

IDS 102◇ The Arts in Western Culture II

3 credits

Second semester completion of a chronologically-based interdisciplinary survey of the significant intellectual, literary, philosophical, visual, musical and other performance-based artistic expressions from the major epochs of Western culture, from the Renaissance to the present. The course may stand on its own, and a student may take either course in the sequence.

Lecture: 3 hours *IAI: HF 903*

Independent Study Course**IND 199◇ Independent Study**

1-4 credits

This is a variable-credit, independent-study course, which may be repeated for up to four credits. The student prepares a proposal with an instructor and submits it for approval to the department chairperson and area dean. Independent study cannot replace a regular course.

Prerequisite: Satisfactory completion of 15 semester hours of credit

Lecture: 1-4 hours

Interior Design Courses**INT 116 Color for Interiors**

3 credits

Study of color theories and their application to interior design. (formerly Interior Color Composition)

Lecture: 1 hour

Laboratory: 3 hours

(course fee required)

INT 205 Computers for Kitchen and Bath Design

3 credits

20-20 Design CAD software applications for kitchen and bath design.

Lecture: 2 hours

Laboratory: 2 hours

Italian Courses**ITL 101◇ Elementary Italian I**

4 credits

This first semester of Italian is designed to allow students to develop basic oral comprehension and speaking skills. Along with some fundamental grammatical concepts, appreciation of Italian culture as reflected and the language is stressed.

Lecture: 4 hours

(course fee required)

ITL 102◇ Elementary Italian II

4 credits

Continuation of ITL 101◇, this course places more emphasis on conversation and the use of the past tense, vocabulary building, short compositions and discussions of recent developments in modern Italy.

Prerequisite: ITL 101◇ or satisfactory placement test scores

Lecture: 4 hours

(course fee required)

ITL 103◇ Intermediate Italian I

4 credits

This course is a continued study of grammatical concepts through written and oral practice. Students will read topics relating to human and cultural interests and compose short papers to foster growth in linguistic proficiency.

Prerequisite: ITL 102◇ or satisfactory placement test scores

Lecture: 4 hours

(course fee required)

ITL 104◇ Intermediate Italian II

4 credits

This course is a continuation of ITL 103◇. Cross-cultural understanding is achieved through the use of personal communication and the reading and discussion of contemporary short stories and recent journalistic selections.

Prerequisite: ITL 103◇ or satisfactory placement test scores

Lecture: 4 hours —

IAI: HI 900

ITL 113◇ Italian Composition & Conversation I

2 credits

Designed to develop the student's ability to communicate effectively in Italian, both in oral and written form, this course places emphasis on listening comprehension and speaking proficiency.

Prerequisite: One year of college Italian; may be taken concurrently with ITL 103◇ or ITL 104◇

Lecture: 2 hours

(course fee required)

ITL 114◇ Italian Composition & Conversation II

2 credits

Continuation of ITL 113◇, this course is designed to improve pronunciation, listening comprehension and speaking ability. Weekly compositions are done to develop better written self-expression.

Prerequisite: One year of college Italian; may be taken concurrently with ITL 103◇ or ITL 104◇

Lecture: 2 hours

(course fee required)

ITL 118◇ Study-Travel in Italy

4 credits

This course is an intensive study of Italian language and culture in Italy. Listening, speaking, reading and writing are covered extensively. Students may elect to take the course for two credits or for four credits. A research project on an Italian topic is required for four hours of credit.

Prerequisite: ITL 102◇

Lecture: 4 hours

Mathematics Courses

Enrollment into mathematics courses is based on student performance on the Triton math placement test.

MAT 045 Pre-Algebra

5 credits

Covers the skills necessary to be successful in taking a math class which requires competency in whole numbers, fractions, decimals, order of operations, ratio and proportion, percent topics, measurement, elementary geometry topics, introductory graphical representation, introductory signed number manipulation and an introduction to basic equation solving. Additionally, test-taking skills, reading the mathematics textbook and taking notes in mathematics will be emphasized. Special emphasis will be on processing and solving word problems.

Lecture: 5 hours

MAT 055 Algebra & Geometry I

5 credits

This course examines concepts in signed numbers, factoring, equation solving, inequality solving, graphs, parallelism and perpendicularity, congruence and polygons. *Prerequisite: MAT 045 (with a minimum grade "C"), or qualifying score on placement test.*

Lecture: 5 hours

MAT 085 Algebra & Geometry II

5 credits

Examines concepts in functions, relations, graphing, systems of equations, inequalities, polynomials, rational expressions, quadratic equations, right triangles, circles, areas of plane figures and related geometry concepts.

Prerequisite: MAT 055 (with a minimum grade of "C"), or qualifying score on placement test

Lecture: 5 hours

(course fee required)

MAT 095 Basic Skills Test Math Review for Prospective Teachers

2 credits

Provides a review of those skills required to pass the mathematics portion of the Illinois Basic Skills Exam for teachers. This course cannot be used toward any degree requirements or elective credits.

Lecture: 2 hours

MAT 096 Algebra/Geometry Review

5 credits

Examine elementary and intermediate level algebra concepts, along with plane geometry, signed numbers, factoring, linear equations, graphs, exponents, operations on rational expressions, graphing linear equations, solving fractional and quadratic equations, plane Euclidean geometry studying lines, angles, circles, polygons and their congruence. *This intensive course is recommended for highly motivated students wanting a refresher course of previously learned material. Taught only as an online class.* Note: Credit will not be given for both MAT 096 and MAT 055 and/or MAT 085. *Prerequisite: MAT 045 (with a minimum grade 'B') or qualifying score of 002 on placement test within the last year.*

Lecture: 5 hours

MAT 099 Math for Meds

1 credit

Examines and teaches concepts in dosage calculations, metric system and conversions as applied to Nursing and Respiratory Care. Clinical application is included using simulated case situations directly related to the student's field of study.

Prerequisite: MAT 055 (with a minimum grade of "C"), or qualifying score on placement test

Lecture: 1 hour

MAT 101◇ Quantitative Literacy

3 credits

Intended for students in areas of study not requiring calculus or advanced mathematics. Topics selected from voting systems, fair division, apportionment, Euler circuits, networks, Fibonacci numbers, spiral growth in nature, symmetry, introductory statistics and the normal curve.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 101◇ AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 101◇ AND Intermediate Algebra and Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 103◇. A grade of "C" or better is required for all prerequisite Math courses.

Lecture: 3 hours —

IAI: M1 901

MAT 102◇ Liberal Arts Mathematics

3 credits

Intended for students in areas of study not requiring calculus or advanced mathematics. Topics will be selected from sets, logic, consumer mathematics, numeral systems, geometry in nature and in daily life, introductory statistics and introductory probability.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 101◇ AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 101◇ AND Intermediate Algebra and Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 103◇. A grade of "C" or better is required for all prerequisite Math courses.

Lecture: 3 hours —

IAI: M1 904

MAT 103◇ Applied Intermediate Algebra

3 credits

This is an intermediate-level course in algebra, including topics in exponential and radical manipulation, functions, relations, rational expressions and solving fractional and quadratic equations. Heavy emphasis on applications rather than theory. This course may not be used to fulfill the mathematics requirement in the AS or AA degree.

Prerequisite: MAT 055 (minimum grade "C" or qualifying score on placement test)

Lecture: 3 hours

MAT 110◇ College Algebra

5 credits

Examines the operations on real numbers: factoring, polynomials, rational expressions, complex numbers, topics from the theory of equations, polynomials, exponential and logarithmic functions, systems of equations and conic sections. Credit for MAT 111◇ will not be given if credit for MAT 110◇ previously has been earned.

Prerequisite: Intermediate Algebra and Geometry, demonstrable through a minimum Triton placement score of 6, or ACT Math score of 23 (within the last two years), or completion of MAT 085 or MAT 096 or MAT 103◇ with a grade of "C" or better.

Lecture: 5 hours

MAT 1110 Pre-Calculus

5 credits

Operations on real and complex numbers, functional representation, systems of equations, determinants, mathematical induction, and theory of equations and inequalities are covered. Also included is an introduction to the basic ideas of the relational aspects of plane trigonometry. Credit for MAT 1100 or MAT 1140 will not be given if credit for MAT 1110 previously has been earned. (formerly College Algebra & Trigonometry).

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 1010 AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 1010 AND Intermediate Algebra and Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 1030. A grade of "B" or better is required for all prerequisite Math courses.

Lecture: 5 hours

MAT 1140 Plane Trigonometry

3 credits

Trigonometric functions and their graphs, identities; trigonometric equations, right and oblique triangles, inverse trigonometric functions, polar coordinates, vectors and complex numbers are covered.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 1010 AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 1010 AND Intermediate Algebra and Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 1030. A grade of "C" or better is required for all prerequisite Math courses.

Lecture: 3 hours

MAT 1160 Math for Elementary School Teachers I

3 credits

First course in a two-course sequence that is a systematic presentation of elementary mathematics for students who are preparing to teach in elementary schools.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 1010 AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 1010 AND Intermediate Algebra and Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 1030. A grade of "C" or better is required for all prerequisite Math courses.

Lecture: 3 hours

MAT 1170 Math for Elementary School Teachers II

3 credits

This is the second course in a two-course sequence which is a systematic presentation of elementary mathematics for students who are preparing to teach in elementary schools.

Prerequisite: MAT 1160 with a grade of "C" or better

Lecture: 3 hours — IAI: M1 903

MAT 1220 Technical Mathematics

3 credits

Designed to accommodate individual mathematical needs of students in the technologies according to their requirements. Topics include percent ratio and proportion, measurement, estimation, interpretation of graphs, basic algebra, formula rearrangement, basic geometry, basic trigonometry and their application to solve a variety of occupational and technical problems. Cannot be used to fulfill the mathematics requirement in the AA, AS AFS or AGS degrees. (formerly TEC, Elementary Technical Mathematics)

Prerequisite: MAT 045 or placement test score of 2 or better, within the last year

Lecture: 3 hours

MAT 1240 Finite Mathematics

3 credits

Set theory, matrices, linear programming, probability and Markov processes are covered. Problems are selected from the fields of social science and business.

Prerequisite: MAT 1100 or MAT 1110 (minimum grade "C") or qualifying score on placement test or ACT Math score of 26 (within the last two years).

Lecture: 3 hours — IAI: M1 906

MAT 1310 Calculus & Analytic Geometry I

5 credits

First course in a three-part calculus sequence. Introduces the concept of a limit process, which is central to much of modern mathematics. Develops the differential and integral calculus of elementary functions from the limit idea. Develops applications to geometry, physics, economics and other sciences.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 1010 AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 1010 AND MAT 1110 or MAT 1100 and MAT 1140 (grades of "C" or better) or qualifying score on the placement test or ACT Math score of 28 (within the last two years).

Lecture: 5 hours —

IAI: M1 900-1; MTH 901

MAT 1330 Calculus & Analytic Geometry II

5 credits

This is the second course in a three-part calculus sequence. It extends the concepts and theory of the first course to transcendental and hyperbolic functions, as well as to sequence and series. Infinite series are introduced, power techniques for integration are developed, and further applications to plane geometry and the sciences are explored.

Prerequisite: MAT 1310 (minimum grade "C")

Lecture: 5 hours —

IAI: M1 900-2; MTH 902

MAT 134◇ Introduction to Calculus for Business & Social Science

5 credits

Provides an introduction to differential and integral calculus of algebraic, exponential and multivariable functions. Special emphasis is placed on applications to business, economics and the social sciences.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 101◇ AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 101◇ AND College Algebra demonstrable through a minimum Triton placement score of 8 or ACT Math score of 26 (within the last two years) or MAT 110◇ or MAT 111◇ (grade of "C" or better).

Lecture: 5 hours — IAI: M1 900-B

MAT 135◇ Calculus & Analytic Geometry III

3 credits

This is the third course in a three-part calculus sequence. It extends the concepts and theory of the first two courses to multivariable calculus. Vectors, functions of vectors and vector-valued functions are introduced, differentiated and integrated. Applications to solid analytic geometry and the sciences are made.

Prerequisite: MAT 133◇ (minimum grade "C")

Lecture: 3 hours —

IAI: M1 900-3; MTH 903

MAT 170◇ Elementary Statistics

3 credits

Fundamentals of descriptive statistics, including frequency distributions, central tendency and variability, graphic methods, and correlation and regression are covered. Students will use a statistical package such as SPSS or the capabilities of the TI graphing calculator.

Prerequisite: Writing: Assessment test score of 4 or higher; an English ACT score of 20 or higher, or a grade of "C" or better in RHT 095 or RHT 096 or completion of RHT 101◇ AND Reading: Assessment test score of 4 or higher; a Reading ACT score of 20 or higher, or a grade of "C" or better in RHT 085 or RHT 086 or completion of RHT 101◇ AND Intermediate Algebra and

Geometry demonstrable through a minimum Triton placement score of 6 or ACT Math score of 23 (within the last two years) or MAT 085 or MAT 096 or MAT 103◇. A grade of "C" or better is required for all prerequisite Math courses.

Lecture: 3 hours — IAI: M1 902, BUS 901

MAT 224◇ Linear Algebra

3 credits

A first course in vectors, matrices, vector spaces and linear transformations. Serves not only as an introduction to more abstract mathematics courses at the junior-senior level, but also have many useful applications outside mathematics. May be taken concurrently with, but should not replace, a course in multivariable calculus. Topics include vectors, vector spaces, matrices, determinants, matrix algebra, linear independence, linear transformations eigenvalues and eigenvectors, and applications of these topics. Approximately one-third of the course will involve the concept of mathematical proof as applied to linear algebra.

Prerequisite: MAT 133◇ (with a grade of "C" or better)

Lecture: 3 hours — IAI: MTH 911

MAT 341◇ Differential Equations

3 credits

Systematic procedures for solving ordinary differential equations are covered. Emphasis is on solving homogeneous and non-homogeneous n-th-order linear equations. Laplace transforms of elementary functions and their inverses also are covered.

Prerequisite: MAT 133◇

Lecture: 3 hours

Mass Communication - Multimedia Courses**MCM 120◇ Mass Communication**

3 credits

Learn about the nature and impact of mass communication in contemporary society, their technological basis, economic and political foundations, and social implications.

Prerequisite: RHT 101◇ or equivalent

Lecture: 3 hours — IAI: MC 911

MCM 125◇ Broadcasting History

3 credits

An overview of the cultural history of broadcasting from the invention of radio to cable and satellite communication.

Lecture: 3 hours

MCM 130◇ Introduction to Radio Production

3 credits

Examine the principles of radio-broadcast production and skills in using equipment and procedures necessary to produce programs for radio. Hands-on experience with journalism/mass communication program's radio production facilities.

Prerequisite: MCM 120◇

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

MCM 150◇ Film History and Appreciation

3 credits

A survey of film as an art form, emphasizing elements of story, aesthetics, differences among genres and criticism. Examines such techniques as pictorial composition, movement, lighting and editing.

Lecture: 3 hours — IAI: F2 908

MCM 160◇ Basic News Writing

3 credits

Introduction to news writing, including the techniques of news gathering, reporting, and interviewing; the use of library and online database research methods; preparing copy for publication; and developing news stories, from idea to finished publication. Students write basic stories under real-time constraints. Work on student newspaper is correlated with course content. (formerly JRN 150)

Prerequisite: Either an ACT score of 17 or better in English, a placement test score of 4, or a grade "C" or better in RHT 096

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

MCM 200◇ Basic News Editing

3 credits

Introduction of the principles and techniques of electronic editing, information management and publication design emphasizing the editing of copy and display type for

maximum clarity. Broadened experience and practice in news reporting and acquisition. Work on student newspaper is correlated with course content. (formerly JRN, Basic News Editing I)

Prerequisite: MCM 160◊ or participation in High School newspaper writing or editing

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

MCM 205◊ Basic Broadcast Announcing

3 credits

Broadcast announcing principles and techniques are discussed and applied. Topics include creating, reading and delivering commercials, news, interviews, public service announcements and special events. Performance of live, on-air broadcasts on WRR◊, Triton's radio station, is featured.

Prerequisite: MCM 120◊, SPE 101◊

Lecture: 2 hours

Laboratory: 2 hours

IAI: MC 918

(course fee required)

MCM 296◊ Special Topics in Mass Communication and Journalism

1-4 credits

Mass media topics and issues are studied through readings, discussion, guided research and field trips. Topics vary from semester to semester. Course is repeatable when topics vary; up to a maximum of four credit hours may be used toward graduation.

Prerequisite: Any course in journalism or mass communication

Lecture: 1-4 hours

Music Courses

MUS 100◊ Rudiments of Theory

2 credits

Notation, scales, intervals, chords and terminology are covered. Recommended for students with little or no background in music.

Lecture: 2 hours

(course fee required)

MUS 101◊ Electronic Music Production

3 credits

Provides a detailed explanation of computer music production. Students will develop skills in loop production, MIDI production, sampling, soft synths, audio

recording, editing and mixing through class instruction and hands-on learning. Projects focus on loop production, MIDI production, audio recording and film scoring using Apple computers running Ableton Live and Reason software.

Lecture: 3 hours

MUS 105◊ Theory of Music I

3 credits

Intensive training in the fundamentals of music, part writing and analysis.

Prerequisite: Satisfactory performance on theory-placement examination; or completion of MUS 100◊ with a grade of 'C' or higher, and concurrent enrollment in MUS 115◊ and MUS 135◊

Lecture: 3 hours

(course fee required)

MUS 106◊ Theory of Music II

3 credits

Continuation of the materials presented in MUS 105◊. Emphasis is on the introduction of secondary triads, elementary modulation and dominant seventh chords.

Prerequisite: MUS 105◊, MUS 115◊, MUS 135◊ all with a grade of 'C' or higher, and concurrent enrollment in MUS 116◊ and MUS 235◊

Lecture: 3 hours

(course fee required)

MUS 110◊ Listening to Music

3 credits

Enjoy the pleasure of music. Presents, through guided listening, music's history, development and its parallel with the evolution of humans. Emphasis is on the joy of exploring the effect of music on our ears, mind and body. Style, form and technique of instrumental and vocal music will be studied.

Lecture: 3 hours — IAI: F1 900

MUS 115◊ Sight-Singing & Ear Training I

1 credit

Laboratory section involving practice in melodic, harmonic and rhythmic dictation, sight-singing and applying the material presented in MUS 105◊.

Prerequisite: Satisfactory performance on theory-placement examination, or completion of MUS 100◊ with a grade of 'C' or higher, and concurrent enrollment in MUS 105◊ and MUS 135◊

Laboratory: 2 hours

(course fee required)

MUS 116◊ Sight-Singing & Ear Training II

1 credit

Laboratory section involving practice in melodic, harmonic and rhythmic dictation and sight-singing, applying material presented in MUS 106◊.

Prerequisite: MUS 105◊, MUS 115◊, MUS 135◊ all with a grade of 'C' or higher, and concurrent enrollment in MUS 106◊; and MUS 235◊

Laboratory: 2 hours

(course fee required)

MUS 120◊ Record Production I

3 credits

Details the process of music production and music business. Gives an overview of pre-production, tracking, overdubbing, mixing, mastering, promotion, marketing, sales, royalty computations and the business of music. Hands-on student music projects develop skills in loop production, remixing and mixing using Apple computers running Ableton Live and Reason software.

Lecture: 3 hours

MUS 135◊ Keyboard Musicianship I

1 credit

Keyboard realization of the harmonic materials presented in MUS 106◊. Emphasis is on figured bass, harmonization, modulation and transposition. Required of all students enrolled in MUS 207◊. Offered in combination with MUS 235◊, which is similar in content and lab where students will work in a collaborative environment. Students will work independently for a portion of the class. (formerly Keyboard Harmony I)

Prerequisite: Satisfactory performance on theory-placement examination, or completion of MUS 100◊, with a grade of 'C' or higher, and concurrent enrollment in MUS 115◊ and MUS 105◊

Laboratory: 2 hours

(course fee required)

MUS 177◊ Class Piano Instruction

2 credits

Group instruction for students is provided for those who do not major in piano or meet minimum requirements in piano on entrance.

Laboratory: 2 hours

(course fee required)

**MUS 179◇ Applied Music—
Instrumental**

1 or 2 credits

Provides private instruction. The major applied lesson (section 01) is one hour, one day per week, for two credits. The minor applied lesson (section 02) is one-half hour, one day per week, for one credit. May be repeated for a maximum of eight accrued credits. (formerly Applied Music-Instrumentation)

Prerequisite: Satisfactory performance on theory-placement examination, or completion of MUS 100◇, with a grade of 'C' or higher, and concurrent enrollment in one of the instrumental music ensemble courses (MUS 250◇, MUS 253◇, MUS 266◇). Includes: violin, viola, cello, string bass, flute, clarinet, oboe, bassoon, trumpet, French horn, trombone, baritone horn, tuba, percussion, saxophone, classical guitar and jazz/rock piano.

Laboratory: 2-4 hours
(course fee required)

MUS 180◇ Applied Music— Piano

1 or 2 credits

Provides private instruction. The major applied lesson (section 01) is one hour, one day per week, for two credits. The minor applied lesson (section 02) is one-half hour, one day per week, for one credit. May be repeated for maximum of eight accrued credits.

Prerequisite: Satisfactory performance on theory-placement examination, or completion of MUS 100◇, with a grade of 'C' or higher, and concurrent enrollment in a music ensemble course (MUS 250◇, MUS 253◇, MUS 262◇ MUS 266◇).

Laboratory: 2-4 hours
(course fee required)

MUS 181◇ Applied Music— Voice

1 or 2 credits

(See MUS 179◇) Provides private instruction. The major applied lesson (section 01) is one hour, one day per week, for two credits. The minor applied lesson (section 02) is one-half hour, one day per week, for one credit. May be repeated for a maximum of eight accrued credits.

Prerequisite: Satisfactory performance on theory-placement examination, or completion of MUS 100◇ with a grade of 'C' or higher, and concurrent enrollment in a vocal ensemble course (MUS 262◇); exceptions are drama majors who may enroll in the one-credit section

Laboratory: 2 hours
(course fee required)

MUS 200◇ Improvisation I

2 credits

This course is a structured study of the theory and techniques of improvisation as used by the commercial/jazz musician and applied to the student's major instrument through reading, listening, transcribing and performing.

Prerequisite: MUS 105◇, MUS 115◇; and MUS 106◇, MUS 116◇, MUS 135◇ or MUS 235◇; or concurrent enrollment

Lecture: 1 hour

Laboratory: 2 hours
(course fee required)

MUS 201◇ Improvisation II

2 credits

Continuation and further refinement of the skills and materials developed in MUS 200◇.

Prerequisite: MUS 106◇, MUS 116◇ and MUS 200◇; concurrent enrollment in MUS 207◇ and MUS 217◇; and MUS 135◇ or MUS 235◇; or concurrent enrollment

Lecture: 1 hour

Laboratory: 2 hours
(course fee required)

MUS 202◇ Improvisation III

2 credits

Continuation and further refinement of the skills and materials developed in MUS 200◇ and MUS 201◇.

Prerequisite: MUS 207◇, MUS 217◇, MUS 135◇; and concurrent enrollment in MUS 208◇, MUS 218◇ and MUS 235◇

Lecture: 1 hour

Laboratory: 2 hours
(course fee required)

MUS 207◇ Theory of Music III

3 credits

Harmony, counterpoint and analysis are covered. Emphasis is on altered chords, including the Augmented sixth, the Neapolitan, Borrowed Chords, secondary-dominant and secondary-leading-tone chords.

Prerequisite: MUS 106◇, MUS 116◇, MUS 235◇ all with a grade of 'C' or higher, and concurrent enrollment in MUS 217◇ and MUS 180◇

Lecture: 3 hours

(course fee required)

MUS 208◇ Theory of Music IV

3 credits

Continuation on an advanced level of the material presented in the previous three semesters of music theory. Emphasis is on chromatic harmony and recent compositional techniques.

Prerequisite: MUS 207◇, MUS 217◇, MUS 180◇ all with a grade of 'C' or higher, and concurrent enrollment in MUS 218◇

Lecture: 3 hours

(course fee required)

MUS 211◇ Arranging & Composition

2 credits

This is a structured study of the techniques of writing for the various types and sizes of ensembles most used in the commercial music field.

Prerequisite: MUS 207◇, MUS 217◇, MUS 235◇ and MUS 247◇; concurrent enrollment in MUS 208◇, MUS 218◇ and MUS 249◇

Lecture: 2 hours

(course fee required)

**MUS 212◇ Commercial Vocal
Repertoire I**

2 credits

This course is a structured survey of standard song literature from the commercial music area, stressing tasteful and technically correct performance practice. "Standard" repertoire from pre-1920 to the present are presented.

Prerequisite: Concurrent enrollment in MUS 181◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

**MUS 213◇ Commercial Vocal
Repertoire II**

2 credits

Continuation of MUS 212◇ covering Broadway and "pop" literature.

Prerequisite: MUS 212◇ and concurrent enrollment in MUS 181◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

**MUS 215◇ Introduction to Music
History**

3 credits

Examine the development of music as an art in western civilization from antiquity to present. Emphasis is on musical works and style, as well as understanding of musical concepts. Some musical

background is recommended. Students with no musical background are advised to take MUS 110◇, Music Appreciation.

Prerequisite: Sophomore standing

Lecture: 3 hours — IAI: F1 901

MUS 216◇ Music in America

3 credits

A survey of music and musicians in America from colonial times to the present. The position of music in American social life and institutions is discussed, along with the influence of foreign musical traditions.

Lecture: 3 hours — IAI: F1 904

MUS 217◇ Sight-Singing & Ear Training III

1 credit

Laboratory section involving practice in melodic, harmonic and rhythmic dictation and sight-singing, applying material presented in MUS 106◇.

Prerequisite: MUS 106◇, MUS 116◇, MUS 235◇ all with a grade of 'C' or higher, and concurrent enrollment in MUS 207◇; and MUS 180◇

Laboratory: 2 hours

(course fee required)

MUS 218◇ Sight-Singing & Ear Training IV

1 credit

Student will successfully perform vocally and recognize examples, which employ the same compositional styles as those in MUS 208◇.

Prerequisite: MUS 180◇, MUS 207◇, MUS 217◇, all with a grade of 'C' or higher, and concurrent enrollment in MUS 208◇

Laboratory: 2 hours

(course fee required)

MUS 220◇ Record Production II

3 credits

Educates students about the business side of the music industry and provides students with an advanced realistic studio experience covering engineering, how to listen, what to listen for, studio equipment, industry lingo, calculation of royalties and publishing, how to create a production budget for a record label and/or production company, how to produce various genres of music, as well as creation of a demo.

Prerequisite: MUS 120◇

Lecture: 3 hours

MUS 235◇ Keyboard Musicianship II

1 credit

Continuation and further development of the skills and materials presented in MUS 135◇. Offered in combination with MUS 135◇, which is similar in content and lab. Students will work in a collaborative environment with students in MUS 135◇. Students will work independently for a portion of the class. (formerly, Keyboard Harmony II)

Prerequisite: MUS 105◇, MUS 115◇, MUS 135◇ all with a grade of 'C' or higher, and concurrent enrollment in MUS 106◇ and MUS 116◇

Laboratory: 2 hours

(course fee required)

MUS 247◇ Commercial Keyboard Harmony I

1 credit

Vocabulary and structure of the music language as used in a commercial/jazz format is taught at the keyboard. Primary emphasis is conceptual. High keyboard skill levels desirable but not required.

Prerequisite: MUS 106◇, MUS 116◇; and MUS 207◇, MUS 217◇ and MUS 235◇ or concurrent enrollment

Laboratory: 2 hours

(course fee required)

MUS 249◇ Commercial Keyboard Harmony II

1 credit

A continuation of the principles and applications presented in MUS 247◇.

Prerequisite: MUS 207◇, MUS 217◇, MUS 247◇; and MUS 208◇, MUS 218◇ and MUS 235◇; or concurrent enrollment

Laboratory: 2 hours

(course fee required)

MUS 250◇ Concert Band

1 credit

Students perform the finest contemporary literature, traditional classics and successful orchestra transcriptions available for band. A series of public and school concerts are presented each year. May be repeated for a maximum of four accrued credits. Enrollment is by permission of the director of bands. Auditions may be required.

Prerequisite: Past instrumental playing experience

Laboratory: 3 hours

(course fee required)

MUS 251◇ Community Concert Band I

0.5 credit

Performance of contemporary literature, traditional classics and successful orchestra transcriptions available for band are provided. A series of public and school concerts is presented each year. May be repeated for a maximum of two accrued credits. This course is recommended for non-majors.

Prerequisite: part-playing experience or and music reading ability

Laboratory: 3 hours

(course fee required)

MUS 252◇ Community Concert Band II

0.5 credit

Advanced students' performance of contemporary literature, traditional classics and successful orchestra transcriptions available for band are provided. A series of public and school concerts is presented each year. May be repeated for a maximum of two accrued credits.

Prerequisite: MUS 251◇

Laboratory: 3 hours

(course fee required)

MUS 253◇ Ensemble

1 credit

Students will perform in small ensembles. Some public performance is required. May be repeated for a maximum of four accrued credits.

Prerequisite: Department consent

Laboratory: 2 hours

(course fee required)

MUS 261◇ College Chorus

1 credit

Membership is open to students who wish to continue the study of choral music and participate in public performances. May be repeated for a maximum of four accrued credits.

Prerequisite: High school chorus or similar experience

Laboratory: 5 hours

(course fee required)

MUS 262◇ Choral Ensemble

1 credit

Students will perform in small choral ensemble of the finest popular and serious choral literature. Public performances are planned. May be repeated for a maximum of four accrued credits.

Prerequisite: Consent of Instructor

Laboratory: 3 hours

(course fee required)

MUS 266◇ Jazz Band

1 credit

Students will perform some of the finest dance, jazz and stage-band literature. Public performances are planned. May be repeated for a maximum of four accrued credits.

Prerequisite: Ability to play an instrument

Laboratory: 3 hours

(course fee required)

MUS 296◇ Special Topics in Music

3 credits

This course is a study of international topics and problems through readings, discussion, guided research and field trips. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Lecture: 3 hours

Nurse Assistant Courses**NAS 100◇ Basic Nurse Assistant**

6 credits

Learn the basic principles and procedures used by the nurse assistant in long-term care (nursing homes), home-health settings and hospitals to meet basic human needs. Included are basic medical terminology, body structure and function, concept of life span, communications and safety, as well as clinical experience in long-term care facilities. Meets the Illinois Department of Public Health Requirement for the nurse assistant certificates.

Prerequisite: Admission to NAS program

Lecture: 4 hours

Laboratory: 6 hours

(course fee required)

NAS 101◇ Nurse Assistant: Care of Patients With Alzheimer's

1 credit

Basic nursing care for patients with Alzheimer's disease and related disorders is discussed. For nursing assistants employed in skilled and intermediate-care facilities.

Prerequisite: NAS 100◇ or concurrent enrollment

Lecture: 1 hour

NAS 102◇ Introduction to Home Health Nursing Aide

2 credits

Prepare nursing assistants to provide basic care for patients in the home setting. Included are basic principles and procedures used by nursing assistants in home health care.

Prerequisite: Current CPR card and current CNA certificate or consent of instructor. If completed CNA course more than 12 months ago, and not currently employed as a CNA, need to verify all 21 skills. Must be listed on the Illinois Nurse Aide Registry in good standing. This means under the Uniform Conviction Information Act (UCIA) there are no disqualifying conditions, including findings of abuse, neglect or misappropriation of funds.

Lecture: 1 hour

Laboratory: 2 hours

Nuclear Medicine Technology Courses**NUM 100◇ Science of Nuclear Medicine**

3 credits

Principles of radiation as used in practice of nuclear medicine, methods of decay, decay schemes, production of radionuclides and gamma radiation interactions with matter. Math review to support calculations of decay, biological and physical half-life and half-value layer are covered.

Prerequisite: Admission to program

Lecture: 3 hours

NUM 103◇ Radiation Safety and Protection

2 credits

Introduction to the history and development of the field of nuclear medicine. Philosophy of ALARA and practical measures to apply in the clinical setting, including safe handling, receiving, storage, disposal and decontamination of radioactive material. Occupational exposure personal monitoring, limits and associated exposure units, regulations and documents governing the use of radioactive material. Principles of radiation biology and potential effects of exposure to the human body are presented.

Prerequisite: Admission to program

Lecture: 2 hours

NUM 140◇ Instrumentation in Nuclear Medicine

5 credits

Principles and operation of gas detector systems, scintillation detector systems and the components that make up each of these systems. Methods of image reconstruction and enhancement are covered. Fundamental components, applications and processing techniques used in nuclear medicine computers will be presented. Laboratory experience supporting use of instrumentation, quality control parameters and computer applications also are included. (formerly Nuclear Medicine Instrumentation)

Prerequisite: NUM 100◇ and NUM 103◇

Lecture: 3 hours

Laboratory: 4 hours

(course fee required)

NUM 155◇ Patient Care in Nuclear Medicine

2 credits

Principles of patient care to prepare the students to work in the clinical setting. Professionalism and ethics, effective patient interaction, body mechanics, patient transfer and positioning, infection control, emergency procedures, patient support, specialized equipment and venipuncture techniques are presented. Included are orientations to three clinical sites the student will rotate through.

Prerequisite: NUM 100◇ and NUM 103◇

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

NUM 160◇ Nuclear Medicine Procedures I

3 credits

Introduction to clinical nuclear medicine, bone and lung imaging procedures, associated anatomy/physiology, indications, pathology and scan interpretation. Case study presentations are included.

Prerequisite: NUM 140◇ and NUM 155◇

Lecture: 3 hours

NUM 161◇ Applied Nuclear Medicine Technology I

2 credits

First session of the first of three supervised clinical experiences to orientate the student to basic procedures in nuclear medicine, patient care, instrumentation and quality control. Radiopharmacy, PET, CT and injection procedures may be completed.

Prerequisite: NUM 140 and NUM 155

*Clinical Laboratory: 32 hours per week
(course fee required)*

NUM 181 Applied Nuclear Medicine Technology II

2 credits

The second session of the first of three supervised clinical experiences to orientate the student to basic procedures in Nuclear Medicine, patient care, instrumentation and quality control. Radiopharmacy, PET, CT and injection procedures may be completed.

Prerequisite: NUM161

*Clinical Laboratory: 32 hours per week
(course fee required)*

NUM 242 Invitro Nuclear Medicine Principles and Procedures

2 credits

Laboratory principles for invitro/in vivo studies performed in nuclear medicine. Schillings, plasma volume, red cell mass, red cell survival and sequestration and white blood cell labeling are covered. Study of physiology of blood and its components, review of laboratory equipment are presented. (formerly Invitro Nuclear Medicine Test Principles and Procedures)

*Prerequisite: NUM 160, NUM 161;
concurrent enrollment with NUM 260,
NUM 261 and NUM 262*

Lecture: 2 hours

NUM 260 Nuclear Medicine Procedures II

3 credits

Second in procedural courses, principles of nuclear medicine procedures for cardiac, gastrointestinal, genitourinary and central nervous systems. Associated anatomy/physiology, indications, pathology and scan interpretation included. Overview of lab principles and procedures for invitro nuclear medicine studies will be covered.

Prerequisite: NUM 160 and NUM 181

Lecture: 3 hours

(course fee required)

NUM 261 Applied Nuclear Medicine Technology III

4 credits

The second of three supervised clinical experiences provided to develop competency in nuclear medicine procedures, patient care and instrument quality control. Radiopharmacy, PET, CT and injection procedures may be completed. (formerly Applied Nuclear

Medicine Technology II)

Prerequisite: NUM 160 and NUM 181

*Laboratory: 24 hours per week
(course fee required)*

NUM 262 Nuclear Medicine Pharmacy I

2 credits

Essentials of radio-pharmaceuticals, diagnostic vs. therapeutic, review of new drug approval process, properties of technetium, chemistry and quality control tests are covered. Fundamental concepts of radiopharmaceutical design, preparation and localization for materials utilized in cardiac, gastrointestinal, genitourinary and central nervous systems are presented. (formerly Nuclear Pharmacy I)

Prerequisite: NUM 160 and NUM 181

Lecture: 2 hours

NUM 265 Principles of PET for Nuclear Medicine

2 credits

Nuclear medicine practice specific to PET imaging; including physics of positron emission, principles of radionuclide production and use, as well as normal and abnormal distribution, radiation safety practices, design and operation of detector, patient management and review of role of PET imaging in cardiology, neurology and oncology.

*Prerequisite: NUM 160 and NUM 181 or
graduate of accredited nuclear medicine
program*

Lecture: 2 hours

NUM 280 Nuclear Medicine Procedures III

3 credits

Last in procedural courses and covers principles of nuclear medicine procedures for endocrine, immune/infection, oncology and therapy procedures. Associated anatomy/physiology, indications, pathology and scan interpretation are presented. Review of NRC rules and regulations associated with therapy procedures and review for board exam included.

Prerequisite: NUM 260 and NUM 261

Lecture: 3 hours

NUM 281 Applied Nuclear Medicine Technology IV

4 credits

The last of three supervised clinical experiences provided to develop competency in nuclear medicine procedures, patient care, instrument quality

control, radiopharmacy, PET, CT and injection procedures may be completed. (formerly Applied Nuclear Medicine Procedures III)

Prerequisite: NUM 260 and NUM 261

*Clinical Laboratory: 24 hours per week
(course fee required)*

NUM 282 Nuclear Medicine Pharmacy II

2 credits

Preparation and localization for materials utilized in endocrine and immune system and tumor imaging are presented. Preparation for job search skills, including resume writing, job search and interviewing are covered. Management and leadership in clinical setting and Board exam review included. (formerly Nuclear Pharmacy II)

Prerequisite: NUM 262

Lecture: 2 hours

NUM 285 Principles of CT for Nuclear Medicine

1 credit

Essentials of computerized tomography (CT) for the nuclear medicine technologist. Principles of CT physics, scanners, imaging, protocols and quality control are covered. Review of cross sectional anatomy included.

*Prerequisite: NUM 260 and NUM 261 or
graduate of accredited Nuclear Medicine
program*

Lecture: 1 hour

Nursing Courses

NUR 095 Strategies for NCLEX Success

1 credit

Provides the opportunity for students who have not met the requirement of NUR 190 or NUR 290 for successful completion of the respective standardized comprehensive nursing exam for this course. The student will develop and implement an individualized study plan that utilizes a variety of success strategies. Upon completion of the exam, the successful score will be used in the calculation of the final course grade for NUR 190 or NUR 290. The course may be repeated only one time for the purpose of meeting the comprehensive nursing exam requirement for NUR 190 and one time for the purpose of meeting the comprehensive nursing exam requirement

for NUR 290.

Prerequisite: Course requirements of NUR 190 or NUR 290 with the exception of the standardized comprehensive nursing exam for the related course.

*Lecture: 1 hour
(course fee required)*

NUR 105 Introduction to Nursing Academics

1 credit

Acquaints the pre-nursing student with the skills necessary to navigate and survive the rigors of academic life within the nursing program. Introduces the student to college structure and resources and is designed to promote learning skills, study habits, time management and critical thinking. Emphasis is placed on utilizing and applying these skills as they relate to the nursing program.

Prerequisite: Program pre-requisites and pre-admission test; approval of Nursing Admission Committee

*Lecture: 1 hour
(course fee required)*

NUR 130 Promoting Adaptation I

4 credits

Introduces the role of the professional nurse and the application of the theories of Roy, Maslow and Erickson in providing nursing care; assessment and maintenance of indicators of adaptation of individuals across the life span, including the childbearing and childrearing family within a multi-cultural society; safe performance of basic nursing skills, physical assessment, the nursing process, communication, cultural competency, collaboration, problem solving, critical thinking and nursing judgment to promote adaptation of the physiologic needs of protection, activity and rest, and oxygenation.

Prerequisite: Admission to the Nursing program

*Lecture: 2.5 hours
Laboratory: 2.5 hours
Clinical Laboratory: 2 hours
(course fee required)*

NUR 135 Promoting Adaptation II

5 credits

Continues to build on the skills and processes introduced in NUR 130. Emphasizes assessment and maintenance of the concepts and theories related to the physiologic needs of nutrition and

elimination, and the complex processes of fluid, electrolyte, and acid-base balance; neurologic function; endocrine function and the senses. Introduces the psychosocial modes of self-concept, role function and interdependence. Basic pharmacological processes to promote adaptation are introduced.

Prerequisite: NUR 130

*Lecture: 3 hours
Laboratory: 2 hours
Clinical Laboratory: 4 hours
(course fee required)*

NUR 145 Nursing Care of Individuals with Commonly Recurring Adaptation Problems I

5 credits

Focuses on a holistic approach to the nursing care of individuals with adaptation problems that occur across the life span, including those of the childbearing and childrearing family within a multicultural society. Includes commonly recurring problems related to the psychosocial modes and to the physiologic needs of oxygenation, nutrition, elimination, activity, rest and protection. Problem solving and critical thinking skills are emphasized in the utilization of the nursing process.

Prerequisite: Score of 100% on Dosages and Solutions Math test; NUR 135, BIS 136, EDU 206; concurrent enrollment in BIS 137 and NUR 146

*Lecture: 2.5 hours
Laboratory: 1.5 hours
Clinical Laboratory: 6 hours
(course fee required)*

NUR 146 Pharmacology in Nursing I

1 credit

Focuses on the nursing responsibilities and implications related to the administration of pharmacological agents in the treatment of commonly recurring problems related to the psychosocial modes and to the physiologic needs. Includes concepts of drug action, use and classification. Ethical and legal issues associated with medication administration are discussed.

Prerequisite: concurrent enrollment in NUR 145

*Lecture: 1 hour
(course fee required)*

NUR 155 Nursing Care of Individuals with Commonly Recurring Adaptation Problems II

5 credits

Focuses on a holistic approach to the nursing care of individuals with adaptation problems that occur across the life span, including those of the childbearing and childrearing family within a multicultural society. Includes commonly recurring problems of the complex processes of fluid and electrolytes, senses, and neurologic and endocrine functions. Problem solving and critical thinking skills are emphasized in the utilization of the nursing process.

Prerequisite: NUR 145 and NUR 146; concurrent enrollment in BIS 137, NUR 156

*Lecture: 2.5 hours
Laboratory: 1.5 hours
Clinical Laboratory: 6 hours
(course fee required)*

NUR 156 Pharmacology in Nursing II

1 credit

Focuses on the nursing responsibilities and implications related to the administration of pharmacological agents in the treatment of commonly recurring problems related to the complex processes of the physiologic mode. Includes concepts of drug action, use and classification. Ethical and legal issues associated with medication administration are discussed.

Prerequisite: NUR 145, NUR 146; concurrent enrollment in NUR 155

Lecture: 1 hour

NUR 185 Transition from LPN to AD Student

5 credits

Introduces the philosophy and curriculum of the Triton College AD Nursing program and the role and responsibilities of the AD Nursing student. Allows students to enhance development and demonstration of problem solving and critical thinking skills, which are expected of the RN, through application of the nursing process in a clinical setting. Includes demonstration of competency of nursing skills expected of students completing level one of the program.

Prerequisite: LPN license, admission to the AD Nursing program; Optional for Advanced Placement students who proficiency test out of semester one and two.

Lecture: 3.5 hours

Laboratory: 1.5 hours

Clinical Laboratory: 3 hours

(course fee required)

NUR 190◇ Preparation for the Practical Nursing Role

4 credits

Emphasizes the transition from student to licensed practical nurse including preparation for licensure exam, job placement skills and assuming the management responsibilities of the licensed practical nurse. Clinical experiences emphasize the legal and ethical responsibilities in managing care for a group of individuals with commonly recurring adaptation problems.

Prerequisite: NUR 155◇ and NUR 156◇

Lecture: 2 hours

Laboratory: 6 hours

(course fee required)

NUR 225◇ Promoting Adaptation: Chronic Health Problems

4 credits

Focuses on the application of clinical decision making in promoting adaptation of individuals with chronic health problems that result in multiple adaptation problems. Emphasis is placed on enhanced utilization of the nursing process, including interpretation of data, therapeutic communication, collaboration and coordination, and development of teaching plans.

Prerequisite: NUR 155◇ and NUR 156◇

Lecture: 2 hours

Laboratory: 6 hours

(course fee required)

NUR 235◇ Promoting Adaptation: Psychosocial and Rehabilitation Problems

4 credits

Focuses on the application of clinical decision making in promoting adaptation of individuals with psychosocial and rehabilitation health problems, which result in multiple adaptation problems. Emphasis is placed on enhanced utilization of the nursing process, including interpretation of data, therapeutic communication, collaboration and coordination, and

development of teaching plans. Students will be able to identify community resources available to assist individuals in meeting basic needs.

Prerequisite: NUR 155◇ and NUR 156◇

Lecture: 2 hours

Laboratory: 6 hours

(course fee required)

NUR 245◇ Promoting Adaptation: The Childbearing/Childrearing Family

4 credits

Focuses on the application of clinical decision making in promoting adaptation of individuals with health problems resulting in multiple adaptation problems associated with stages of childbearing and during the period of infancy through adolescence. Emphasis is placed on critical analysis of children's responses to health problems and family responses to childbearing/childrearing with expanded utilization of the nursing process.

Prerequisite: NUR 225◇, NUR 235◇ and BIS 122◇

Lecture: 2 hours

Laboratory: 6 hours

(course fee required)

NUR 255◇ Promoting Adaptation: Acute Health Problems

4 credits

Focuses on the application of clinical decision making in promoting adaptation of individuals with acute health problems that result in multiple adaptation problems. Emphasis is placed on critical analysis of individual responses to life-threatening situations and expanded utilization of the nursing process.

Prerequisite: NUR 225◇ and NUR 235◇ and BIS 122◇

Lecture: 2 hours

Laboratory: 6 hours

(course fee required)

NUR 285◇ Professional Nursing Career Development

2 credits

Focuses on the current developments in the nursing profession and role transition from student to registered nurse. Topics explored include self-assessment, career planning, professional role development, health provider organizations, fiscal responsibility, analysis of ethical-legal situations and political issues as they relate to the provision of care.

Prerequisite: NUR 155◇, NUR 156◇

Lecture: 2 hours

(course fee required)

NUR 290◇ Leadership in the Management of Patient Care

2 credits

Focuses on the use of the nursing process in managing the care of a group of individuals. Clinical experiences emphasize responsibilities of setting priorities, delegating and evaluating clinical performance. Management styles used to coordinate and communicate with health care team members will be explored.

Prerequisite: NUR 245◇, NUR 255◇, NUR 285◇

Lecture: 1 hour

Laboratory: 3 hours

(course fee required)

Ophthalmic Technician Courses

OPH 112◇ Ocular Anatomy & Physiology

3 credits

Structure and function in the human visual system are covered. Anatomy and physiology of the eyeball, orbit and ocular adnexa, related pharmacology and pathology also are discussed.

Prerequisite: Admission to OPH program

Lecture: 3 hours

OPH 113◇ Ophthalmic Dispensing I

2 credits

Learn about the types of frames, styles, materials and their parts: proper way to measure pupillary distances and multifocal heights, frame-selection techniques and standard alignment and proper form adjustment of plastic and metal frames.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

OPH 114◇ Ophthalmic Optics

3 credits

Basic optical principles of lenses and the human eye from both theoretical and practical standpoints are discussed.

Prerequisite: Admission to the OPH program

Lecture: 3 hours

OPH 120◇ Basic Visual Examination

2 credits

Learn basic vision testing principles and techniques, including: visual acuity measurement, tonometry, depth perception, fusion, pupillary evaluation, slitlamp examination, tear function and color vision tests. Care, maintenance and calibration of instruments is included.

Prerequisite: OPH 112◇, OPH 114◇*Lecture:* 1 hour*Laboratory:* 2 hours*(course fee required)***OPH 121◇ Visual Field Examination**

2 credits

Principles and techniques of various methods of visual field examination are presented. The visual pathway, common causes of visual field loss and related anatomy will be covered with emphasis on Goldmann perimetry.

Prerequisite: OPH 120◇*Lecture:* 1 hour*Laboratory:* 2 hours*(course fee required)***OPH 122◇ Retinoscopy & Refractometry**

2 credits

Principles and techniques of refractometry and retinoscopy with emphasis on skill development using the schematic eye are covered.

Prerequisite: OPH 121◇*Lecture:* 1 hour*Laboratory:* 2 hours*(course fee required)***OPH 123◇ Ocular Motility Examination**

2 credits

Principles and techniques of keratometry, exophthalmometry, tonography and advanced motility are covered with an emphasis on skill development in these procedures.

Prerequisite: OPH 122◇*Lecture:* 1 hour*Laboratory:* 2 hours*(course fee required)***OPH 130◇ Ocular Pharmacology**

2 credits

Examine the general principles and concepts of pharmacology as they relate to ophthalmic medications. Principles of drop delivery techniques and the effect of delivery system and allergic reactions also are discussed. The

actions, indications and side effects of common ophthalmic drugs will be included.

Prerequisite: AHL 103◇*Lecture:* 2 hours**OPH 230◇ Practicum I**

3 credits

Introductory clinical work designed to apply technical skills acquired in previous course work is provided. Recording of clinical data, patient handling, dispensing, basic motility, optical principles, and preliminary examination techniques are stressed. Clinical conferences are included.

Prerequisite: OPH 123◇, OPH 232◇, OPH 237◇; or concurrent enrollment*Laboratory:* 16 hours*(course fee required)***OPH 231◇ OPH Seminar I**

1 credit

This course provides a forum for discussion of individual clinical experiences including concerns, issues, case studies and procedures.

Prerequisite: Concurrent enrollment in OPH 230◇*Lecture:* 1 hour**OPH 232◇ Contact Lenses**

3 credits

Theory and anatomy basic to contact lenses and their relationship to pertinent ocular anatomy are covered. Includes a study of lens types, their care, insertion and removal techniques. Emphasis is on patient instruction and management. Procedures for ordering, verifying and modifying also are included. Theoretical aspects involved in the correct fitting of contact lenses are discussed.

Prerequisite: OPH 112◇, OPH 114◇*Lecture:* 2 hours*Laboratory:* 3 hours*(course fee required)***OPH 237◇ Integrated Science for Ophthalmic Technicians**

3 credits

Learn about the major pathological conditions of the eye and related structures integrated with symptomatology and treatment of these conditions. Basic microbiology and practical microbiology as it relates to the diagnosis, treatment and management of ophthalmic diseases also are covered. Medicare/Insurance Coding Procedures

and insurance in ophthalmology are introduced.

Prerequisite: AHL 103◇, OPH 112◇*Lecture:* 3 hours**OPH 240◇ Practicum II**

3 credits

This course provides for the use of skill acquired in secondary course work to perform contact lens evaluations, minor surgery assisting, refractometry, retinoscopy, advanced motility testing and advanced visual field testing. Clinical conferences are scheduled.

Prerequisite: OPH 123◇, OPH 232◇, OPH 237◇ or concurrent enrollment*Laboratory:* 16 hours*(course fee required)***OPH 241◇ OPH Seminar II**

1 credit

A forum for discussion of individual clinical experience including concerns, issues, case studies and procedures is provided. Guest speakers in various branches of ophthalmology are featured.

Prerequisite: Concurrent enrollment in OPH 240◇*Lecture:* 1 hour**OPH 243◇ Ophthalmic Therapeutic Procedures**

3 credits

Technician's role in assisting in the management of pre- and post-operative patients is reviewed. More advanced ophthalmic procedures are included such as laser, ultrasound, electrophysiology and the Potential Acuity Meter.

Prerequisite: OPH 123◇*Lecture:* 3 hours*(course fee required)***OPH 244◇ Advanced Ophthalmic Procedures**

3 credits

Principles and techniques of advanced ophthalmic procedures such as ophthalmic photography, biometry, care of the refractive surgery patient including advanced refractometry and retinoscopy are discussed.

Prerequisite: OPH 112◇*Lecture:* 2 hours*Laboratory:* 2 hours*(course fee required)*

Health, Sport & Exercise Science Courses (formerly Physical Education)

Students enrolled in physical education activity courses (courses numbered below PED 150◇) may choose to be graded on either the letter grade (A through F) or the Pass/Fail (P/F) system.

A physical examination may be required before enrollment in a physical education course. In compliance with Title IX regulations, all courses are open to men and women unless otherwise stated.

Two semester hours of academic credit in physical education may be awarded for approved sports participation. Credit will be awarded only once in a particular sport.

All courses marked with an asterisk (*) are multilevel courses: beginning, intermediate and advanced. The beginning and/or intermediate level may be waived with consent of the instructor.

PED 100◇ Foundations of Physical Activity

1 credit

This course includes programs of calisthenics and weight training (isometric and isotonic) augmented by a jogging program.

Laboratory: 2 hours

(course fee required)

PED 101◇ Hatha Yoga

1 credit

Designed for students to learn, apply and practice Hatha yoga techniques. Emphasis is on improvement of muscular strength, flexibility, endurance and concentration. Breathing techniques, postures and meditation are utilized. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours

PED 102◇ Kundalini Yoga

1 credit

Application and practice of Kundalini yoga techniques. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours

(course fee required)

PED 103◇ Beginning Karate

1 credit

Designed for beginners interested in learning a Japanese-style karate. Includes stretching, basic techniques, forms, sparring and self-defense. May be repeated for a maximum of two accrued credits.

Laboratory: 2 hours

(course fee required)

PED 104◇ Intermediate Karate

1 credit

A continuation and refinement of skills and techniques taught in PED 103◇. May be repeated for a maximum of four accrued credits.

Prerequisite: PED 103◇

Laboratory: 2 hours

(course fee required)

PED 106◇ *Total Fitness

1 credit

Emphasis on cardio and muscular fitness using circuit training. Includes use of cardio equipment, free weights, track and pool. May be repeated for a maximum of four accrued credits. (formerly Physical Fitness)

Laboratory: 2 hours

(course fee required)

PED 107◇ Beginning Swimming

1 credit

Exposure to the basic strokes is given, emphasizing achievement of confidence in the water.

Prerequisite: For non-swimmers

Laboratory: 2 hours

(course fee required)

PED 108◇ Swimming for Fitness

1 credit

Provides an opportunity to utilize the basic swimming strokes to improve cardiorespiratory, muscular endurance, as well as balance and flexibility. Students recommended having basic swim skills. May be repeated for a maximum of four accrued credits. (formerly Intermediate Swimming)

Laboratory: 2 hours

(course fee required)

PED 112◇ Advanced Swimming

1 credit

All basic swimming strokes, the butterfly and springboard diving are covered. Some racing techniques and synchronized swimming are included.

Prerequisite: PED 108◇ or American Red Cross swimmer level

Laboratory: 2 hours

(course fee required)

PED 113◇ Aquacize I

1 credit

An exercise/fitness class conducted in shallow water. This class provides an opportunity to improve cardiorespiratory endurance, strength, muscular endurance, flexibility, balance and coordination. May be repeated for a maximum of four accrued credits. (formerly Swim and Trim)

Laboratory: 2 hours

(course fee required)

PED 114◇ Aquasize II

1 credit

An exercise/fitness class conducted in shallow and deep water. May be repeated for a maximum of four accrued credits.

Prerequisite: PED 113◇ or can tread water for a minimum of three minutes

Laboratory: 2 hours

(course fee required)

PED 115◇ Aquasize III

1 credit

An exercise/fitness class conducted in deep water. May be repeated for a maximum of four accrued credits.

Prerequisite: PED 114◇ or can tread water for three minutes

Laboratory: 2 hours

(course fee required)

PED 117◇ *Walking For Fitness

1 credit

Theory and application of the principles of walking as they relate to aerobic fitness. May be repeated for a maximum of four accrued credits. (formerly Jogging & Calisthenics)

Laboratory: 2 hours

(course fee required)

PED 118◇ Wrestling

1 credit

This course provides basic and advanced skills and a theoretical knowledge of the sport and its finer points of strategy, rules and safety. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours

(course fee required)

PED 120◇ *Personal Defense Activities

1 credit

This course helps you acquire confidence and ability in coping with unexpected emergencies or attacks. Self-defense techniques including methods of preventing attacks and an introduction to individual techniques of break falls and basic throws are taught. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 122◇ Skin & Scuba Diving

1 credit

Skills in skin diving and the use of self-contained underwater breathing apparatus are taught. Physics and physiology of skin diving and standards and organization of diving clubs also are covered. National certification is provided.

Prerequisite: Swim 100 yards

Lecture: 1 hour

Laboratory: 1 hour
(course fee required)

PED 124◇ Zumba Fitness

1 credit

Provides an opportunity to utilize basic Zumba aerobic dance to improve cardio respiratory, muscular endurance, as well as balance and flexibility. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 127◇ *Softball

1 credit

This course is recommended for beginning softball players. Skill development covers fielding ground balls, fielding fly balls, covering the bases, throwing the ball, hitting, running bases, and the basic rules and strategy of the game. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 128◇ Soccer Activities

1 credit

This course provides instruction leading to the acquisition of basic and advanced skills and a theoretical knowledge of the sport and its finer points of strategy and rules. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 129◇ *Volleyball

1 credit

The course covers the fundamentals, rules and strategy of play. Advanced skills are presented. It is designed to develop a level of skill that increases enjoyment of the game and leads to highly skilled competition. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 130◇ *Basketball

1 credit

Receive instruction leading to the acquisition of basic and intermediate skills and to a theoretical knowledge of the sport and its finer points of strategy and rules. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 131◇ Aerobics I

1 credit

An introduction to the fundamentals of low-impact aerobics choreographed to music. Emphasis is placed on developing cardiovascular, flexibility and muscle toning. May be repeated for a maximum of two accrued credits.

Laboratory: 2 hours
(course fee required)

PED 132◇ Aerobics II

1 credit

A continuation of Aerobics I utilizing higher intensity routines and combinations choreographed to music. Emphasis is placed on developing cardiovascular efficiency, flexibility and muscle toning. May be repeated for a maximum of two accrued credits.

Laboratory: 2 hours
(course fee required)

PED 134◇ Aerobic Dance

1 credit

This course is an exercise program put to music for the purpose of providing beneficial changes in the lungs, heart and vascular system. May be repeated one time for a total of two accrued credits

Laboratory: 2 hours
(course fee required)

PED 135◇ *Tennis

1 credit

This course is beneficial to students who want to become more competent than a beginner and those who play but want to improve their game and learn advanced techniques. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 138◇ *Golf

1 credit

Fundamentals of swing, grip and putting are introduced. An opportunity for practical application indoors is followed by several experiences at a golf course or driving range. Green fees are an added assessment. May be repeated for a maximum of four accrued credits.

Laboratory: 2 hours
(course fee required)

PED 146◇ Modern Dance

1 credit

Learn dance as an art form incorporating dance techniques, movement improvisations and elements of beginning composition. May be repeated one time for a total of two accrued credits.

Laboratory: 2 hours
(course fee required)

The following courses are theory in nature and are designed primarily for students who will teach physical education, but also are open to those students interested in more in-depth knowledge of a particular sport.

PED 150◇ Introduction to Physical Education

2 credits

Course is designed to evaluate what the field of physical education is and how it relates to biological, philosophical, psychological and sociological interpretations of the total education program and life itself. Topics range from the role of the physical educator through the process of planning, developing, implementing and administrating physical education programs.

Lecture: 2 hours

PED 151◇ Beginning Football

2 credits

Individual skills and team techniques are covered as students gain knowledge and an understanding of football. Laboratory participation and preparation of notebook

are required. Open to men and women.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 152◇ Beginning Basketball

2 credits

Individual skills and team techniques are covered as students gain knowledge and an understanding of basketball. Laboratory participation and preparation of notebook are required. Open to men and women.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 153◇ Foundations of Exercise

3 credits

The five components of physical fitness are covered. Areas include: cardiorespiratory fitness, muscular strength training, muscular endurance training, flexibility and body composition.

Lecture: 3 hours

PED 156◇ Wrestling

2 credits

Wrestling skills, rules, regulations and safety are covered. Laboratory participation is required.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 158◇ Baseball

2 credits

Individual skills, team techniques, and the rules and strategy of baseball are covered. Laboratory participation and preparation of notebook are required.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 159◇ Selected Team & Recreation Sports

4 credits

Skills, rules and strategy in special sports, including volleyball, badminton, soccer, flag football, tennis, golf, archery and speedball are covered.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

PED 168◇ Theory and Practice of Weight Training

2 credits

Theory and application related to muscular strength, endurance, flexibility and body composition. Course includes personal program development, lifting and spotting technique, exercise mechanics and guidelines.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 169◇ Elementary School Games

3 credits

Physical education activities suitable for the elementary school are covered. Included are teaching, planning and participating in elementary physical activities.

Lecture: 2 hours

Laboratory: 2 hours

(course fee required)

PED 189◇ Water Safety Instructor

2 credits

Certifies instructor candidates to teach American Red Cross Swimming and water safety courses. It includes Fundamentals of Instructor Training (FIT)

Prerequisite: Competency in general stroke skills and rescue

Lecture: 1 hour

Laboratory: 2 hours

PED 194◇ Principles of Coaching

3 credits

Provides students with the principles and theories of coaching. Topics covered include coaching philosophy and style, communication methods, motivation, team management, sport specific training issues and the principles of leadership and teaching.

Lecture: 3 hours

PED 195◇ Introduction to Sport Management

3 credits

Fundamental principles and concepts that apply to sport management including functions of planning, organizing, staffing and controlling, cost controls and human relations for improvement of operating efficiency are covered.

Lecture: 3 hours

PED 196◇ Sport and Exercise Psychology

3 credits

Examination of psychological concepts and techniques for improving and fostering exercise/athletic performance. Theories and practices include psychological motivation, choice, confidence building, goal setting, imagery implementation and emotional control.

Lecture: 3 hours

PED 197◇ Sociology of Sport

3 credits

Provides examination of the primary social institutions of sport, including participants, functions, consequences and effects on society. The influence of sport on familial, religious, education, economic and political institutions will be covered.

Lecture: 3 hours

PED 198◇ Lifeguarding

1 credit

Provides American Red Cross standards and guidelines for individuals seeking certification as a lifeguard. Red Cross certification issued upon successful completion of course.

Prerequisite: Swim stroke competency

Laboratory: 2 hours

(course fee required)

PED 200◇ Introduction to Biomechanics

3 credits

This course addresses the neuromuscular and skeletal systems in relation to human movement.

Lecture: 3 hours

PED 201◇ Sports Officiating

2 credits

Practicum, rules, study and interpretation for football, basketball and baseball are covered. Course requirements include attendance at Illinois high school rules-interpretation meetings.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 202◇ Sports Officiating

2 credits

The rules of sports and practices of officiating volleyball and softball for women, and wrestling, baseball, track and field, and intramural sports for men are covered. Laboratory experience will be required.

Prerequisite: Physical Education major consent

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 210◇ Exercise Testing and Prescription

3 credits

Fitness tests, designs and instruction in exercise programs for general populations are covered. Topics include collaboration of nutrition and exercise, as well as constructive lifestyle habits related to health and fitness.

Lecture: 2 hours

Laboratory: 2 hours

PED 230◇ Sport & Exercise Science Practicum

1 credit

Developed to allow students the opportunity to perform a practicum under the guidance of a professional in the field of sport and exercise science.

Prerequisite: 12 semester credit hours completed in Personal Trainer curriculum, including PED 153◇, or concurrent in major, or consent of instructor.

Clinical Laboratory: 5 hours

PED 235◇ Square, Folk & Ballroom Dance

2 credits

Learn the fundamentals of the various rhythmic activities relating to skills, techniques and terminology.

Lecture: 1 hour

Laboratory: 2 hours

(course fee required)

PED 275◇ Facilities Management

3 credits

An introduction to the planning and management of sport and exercise facilities. Focuses on elements of planning, design and management, while examining functions related to maintenance, security, operations and evaluation.

Lecture: 3 hours

PED 296◇ Special Topics in Physical Education

0.5-4 credits

Selected topics in the area of Physical Education, Exercise Science, Sport and Fitness are covered. Topics will vary from semester to semester and information will be available during registration. Course may be repeated up to three times, for a maximum of nine credits, when content is different.

Lecture: 0.5-4 hours

Laboratory: 0-8 hours

(course fee may be required depending on topic)

Philosophy and Logic Courses**PHL 101◇ Introduction to Philosophy**

3 credits

Discuss the writings of major philosophers on various topics including the nature of human beings, doubt and belief, authority and personal freedom, moral life, religious faith and the ideal society.

Lecture: 3 hours —

IAI: H4 900

PHL 102◇ Logic

3 credits

This course provides a practical application of logical principles and methods of constructing and evaluating arguments. Language, induction, deduction and informal fallacies are studied.

Lecture: 3 hours —

IAI: H4 906

PHL 103◇ Ethics

3 credits

Investigation of ethical systems and discussion of ethical issues that have arisen in contemporary America are presented.

Lecture: 3 hours —

IAI: H4 904

PHL 104◇ Social & Political Philosophy

3 credits

Classical and modern social and political theories are covered. It also investigates some current social and political problems.

Lecture: 3 hours

PHL 105◇ World Religions

3 credits

This is a comparative study of the beliefs and practices of the major religions of people around the world including Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam.

Lecture: 3 hours —

IAI: H5 904N

PHL 106◇ Biomedical Ethics

3 credits

This course provides an examination of moral problems in health care and biological research, such as abortion, euthanasia, professional/patient duties and rights, medical experimentation, genetics and the allocation of scarce medical resources.

Lecture: 3 hours

PHL 296◇ Special Topics in Philosophy

3 credits

This course is a study of philosophical topics and problems in philosophy through readings, discussion, guided research and field trips. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Prerequisite: PHL 101◇

Lecture: 3 hours

Physical Science Courses**PHS 100◇ Introduction to Earth Science**

4 credits

Basic processes guiding the formation of the Earth's natural landscapes, map reading, geography and astronomy, Earth-sun relations, weather and climates, energy and mineral resources, earthquakes, volcanoes, glaciers and human-environment interactions are covered.

Lecture: 3 hours

Laboratory: 2 hours

IAI: P1 905L

(course fee required)

PHS 141◇ Applications of Physical Science Concepts

4 credits

This course covers electricity, including its production, use and alternate technology to meet future energy needs. Astronomy and the fundamental principles of chemistry and its impact on our environment are introduced.

Lecture: 3 hours

Laboratory: 2 hours —

IAI: P9 900L

(course fee required)

PHS 142◇ Science of Light & Music

4 credits

This is a study of sound and light. The sound segment includes the nature of sound, acoustics and musical sound

production. The light segment investigates the principles of light and their application to cameras, telescopes and lasers.

Lecture: 3 hours

*Laboratory: 2 hours — IAI: P9 900L
(course fee required)*

Physics Courses

PHY 100◇ General Physics

4 credits

This course covers laws of physics including a study of classical mechanics, heat, sound, electricity, magnetism and light. This course is designed for the non-science major.

Prerequisite: MAT 055

Lecture: 3 hours

*Laboratory: 3 hours — IAI: P1 900L
(course fee required)*

PHY 101◇ General Physics (Mechanics, Heat & Sound)

5 credits

Principles of physics designed to provide students with a mathematically based (non-calculus) understanding of mechanics, heat and sound including linear motion, rotation, gravitation, conservation laws, waves and thermodynamics are covered. For students in arts, science, architecture and pre-professional programs.

Prerequisite: MAT 114◇ (minimum grade "C") and placement at RHT 101◇ level

Lecture: 4 hours

*Laboratory: 3 hours — IAI: P1 900L
(course fee required)*

PHY 102◇ General Physics (Electricity, Magnetism, Optics & Modern Physics)

5 credits

Principles of physics designed to provide students with a mathematically based (non-calculus) understanding of electricity, magnetism, optics and modern physics including electric and magnetic fields, DC and AC circuits, geometrical and wave optics, polarization, and an introduction to relativity and quantum mechanics are covered. For students in arts, science, architecture and pre-professional programs.

Prerequisite: PHY 101◇ (minimum grade "C") and placement at RHT 101◇ level

Lecture: 4 hours

*Laboratory: 3 hours
(course fee required)*

PHY 106◇ General Physics (Mechanics)

4 credits

Learn classical mechanics, including equilibrium, linear motion, projectile motion, Newton's Laws, rotational motion, conservation laws, vibrations and gravitation. The material is calculus-based with an emphasis on problem solving. This is a course for students in engineering, mathematics, physics and chemistry.

Prerequisite: Placement at RHT 101◇ level; MAT 133◇ or concurrent enrollment

Lecture: 3 hours

*Laboratory: 3 hours — IAI: P2 900L
(course fee required)*

PHY 107◇ General Physics (Electricity, Magnetism and Thermodynamics)

4 credits

Electric and magnetic fields, DC and AC circuits, Maxwell's Equations and thermodynamics are covered. The material is calculus-based with an emphasis on problem solving. This is a course for students in engineering, mathematics, physics and chemistry.

Prerequisite: PHY 106◇ (minimum grade "C"); placement at RHT 101◇ level; MAT 135◇ or concurrent enrollment

Lecture: 3 hours

*Laboratory: 3 hours —
(course fee required)*

PHY 108◇ General Physics (Waves, Optics, Relativity & Quantum Mechanics)

4 credits

Elastic and sound waves, electromagnetic waves, geometrical and wave optics, interference, polarization, relativity, quantum mechanics, the uncertainty principle, Schrodinger's equation, the hydrogen atom and atomic physics are discussed. The material is calculus-based with an emphasis on problem solving. This is a course for students in engineering, mathematics, physics and chemistry.

Prerequisite: PHY 107◇ (minimum grade "C"); placement at RHT 101◇ level; MAT 135◇ or concurrent enrollment

Lecture: 3 hours

*Laboratory: 3 hours
(course fee required)*

Political Science Courses

PSC 120◇ Principles of Political Science

3 credits

Introduction to the history, theories, basic principles and methods of political science, focusing on the nature and development of political science as a discipline, the political process, political institutions and the inter-relationships among elements in the political system.

Lecture: 3 hours — IAI: S5 903

PSC 150◇ American National Politics

3 credits

This course includes a presentation and examination of the leading institutions of American National Politics: the Congress, Presidency, Federal Courts, the Bureaucracy; the importance of the media, public opinion, political parties and interest groups; the historical circumstances surrounding the adoption of the U. S. Constitution; the civil liberties, civil rights and due process provisions in the U. S. Constitution; the activities of the national government in foreign and defense policy, environmental protection, management of the economy and economic regulation. Meets requirements of U.S. Senate Bill 195.

Lecture: 3 hours — IAI: S5 900

PSC 151◇ American State and Urban Politics

3 credits

A course which identifies the significant organizational features of the executive, legislative and judicial branches of state, county, township, municipal and special district governments; compares and contrasts state governmental branches with the same branches of the national government; compares the organization and powers of the 50 state governments with each other; distinguishes the services offered by national, state and urban governments; and examines the numerous social services programs of state and urban governments with emphasis on the problems arising in the delivery of these services.

Lecture: 3 hours — IAI: S5 902

PSC 184◇ Global Politics

3 credits

An examination of international government institutions (i.e., the UN, the World Court), international actors (i.e., nation-states, the European Community), international relationships (i.e., diplomacy, sanctions, exchanges, war), and contemporary world problems (i.e., Arab-Israeli, Persian Gulf, economic development, ecocide). Includes examination of Central American, selected African, Middle-Eastern, and selected Asian Nations in world politics; as well as Great Power Nations.

Lecture: 3 hours — IAI: S5 904

PSC 296◇ Special Topics in Political Science

1-4 credits

Provides exposure to a variety of topics in the field of political science. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences. Course may be repeated an additional three times, but not more than eight hours may be used for a student to complete the degree requirement of a program.

Lecture: 1-4 hours

Psychology Courses**PSY 100◇ Introduction to Psychology**

3 credits

A survey of the study of human and non-human behavior, as well as the biological and mental processes that underlie behavior, with an emphasis on the scientific nature of contemporary psychological investigation. Topics covered include an historical overview of psychology and its major theoretical perspectives, the relationship between theory and empirical research, neurological processes, sensation and perception, motivation, emotion, learning, memory, cognition, life-span development, personality, abnormal behavior, therapy, social behavior and individual differences.

Lecture: 3 hours — IAI: S6 900

PSY 105◇ Personal Applications of Psychology

3 credits

A practical and personal application of the psychological principles. Includes an introduction to theoretical and empirical research in general psychology and psychology of adjustment and a selection of optional modules on personal adjustment, learning,

motivation, interpersonal skills, abnormal psychology, interpersonal communication and special topics in psychology.

Lecture: 3 hours

PSY 201◇ Introduction to Social Psychology

3 credits

An integration of theory and empirical research as they relate to the study of social factors in individual and group behavior. Include is attitude formation and change, social cognition, social motives, interpersonal relationships, group development, dynamics, and social influence.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours — IAI: S8 900

PSY 205◇ Positive Psychology

3 credits

Positive psychology expands the science of psychology into the realm of optimal experiences by studying systematically the psychology of happiness, optimism, hope, resiliency, strengths, wellbeing and overall promotion of the human potential. Provides both a theoretical and practical introduction to the topics of positive psychology.

Prerequisite: PSY 100◇

Lecture: 3 hours

PSY 207◇ Health Psychology

3 credits

Examines theory and research on the relationship between physical health, behavior, and cognitive processes. Emphasizes the biopsychosocial factors related to the maintenance of health and the prevention and treatment of illness. Incorporates the impact of personal lifestyle on physical health, the interpersonal processes involved in providing health care, self-efficacy, and the emerging role of behavioral medicine in health care. Specific topics include injury, stress, coping, pain management, addictions, adherence, patient-physician relationships, death, grief, and chronic illnesses such as Alzheimer's, diabetes, cancer, chronic lung and heart disease, and AIDS.

Prerequisite: PSY 100◇

Lecture: 3 hours

PSY 210◇ Psychology of Personality

3 credits

An integration of theory and empirical research as they relate to personality development, functioning and assessment.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours — IAI: PSY 907

PSY 216◇ Child Psychology

3 credits

An integration of theory and empirical research as they relate to the study of the physical and psychological development of the child from conception to adolescence is presented. Included is genetic and biological factors as well as physical, cognitive, linguistic, emotional, social and moral development.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours — IAI: S6 903

PSY 222◇ Adolescent Psychology

3 credits

An integration of theory and empirical research as they relate to the changes in biological, cognitive, social, moral, and emotional processes throughout adolescence is covered. In addition, the course -covers the role of formal education and the development of self-identity, intimacy and sexuality.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours — IAI: S6 904

PSY 228◇ Psychology of Adulthood & Aging

3 credits

An integration of theory and empirical research and practical applications as they relate to the study of changes in biosocial, cognitive, and psychosocial domains of development, including early, middle, and late adulthood. Attention is given to the continuity of development from childhood and adolescence through adulthood. An emphasis is placed on the normal and pathological changes associated with aging, along with the problems confronted by the aged. Areas covered are sensation and perception, learning and memory, intelligence, creativity and wisdom, personality, emotions, and motivation, generational relationships, work and leisure, social support, long-term care, death and dying.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours — IAI: S6 905

PSY 234◇ Abnormal Child & Adolescence Psychology

3 credits

Introduction to the etiology, diagnosis and treatment of childhood and adolescent

psychological disorders. Consists of an integration of theory and empirical research as it relates to the study of biological, psychosocial and sociocultural origins of abnormal behavior. The assessment, categorization, treatment and prevention of abnormal child and adolescent behavior will be covered.

Prerequisite: PSY 100◇

Lecture: 3 hours

PSY 238◇ Abnormal Psychology

3 credits

An integration of theory and empirical research as they relate to the study of biological, psychosocial, and sociocultural origins of abnormal behavior as well as the assessment, categorization, treatment and prevention of abnormal behavior is discussed.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours —

IAI: PSY 905

PSY 245◇ Industrial Psychology

3 credits

An integration of theory and empirical research as they relate to the application of psychological methods and principles in business and industry are discussed. Emphasis is on personnel selection and factors influencing efficiency.

Prerequisite: PSY 100◇ or consent of instructor

Lecture: 3 hours —

IAI: PSY 906

PSY 250◇ Psychology of Gender

3 credits

Designed to increase knowledge and appreciation of the social, biological, psychological and cultural origins and implications of gender differences and similarities. Providing the fundamentals for study in the field of psychology of gender. Addressing issues including, but not limited to: theoretical and methodological issues, developmental issues, social roles and systems, physical and mental health, sexuality, victimization and feminist perspectives on psychological issues.

Prerequisite: PSY 100◇

Lecture: 3 hours

PSY 296◇ Special Topics in Psychology

3 credits

A study of topics and problems in psychology through readings, discussion, guided research and field trips is provided. Topics vary from semester to semester and

must be approved by the dean of Arts and Sciences. PSY 100◇ recommended prior to this course.

Lecture: 3 hours

Radiologic Technology Courses

RAS 100 Radiology Patient Care

2 credits

Provides the basic concepts of radiology patient care, including consideration for the physical and psychological needs of the patient and their family. Communication, safety and basic care of the radiology patient are demonstrated and practiced in a lab setting.

Prerequisite: Admission to the RAS program

Lecture: 1.5 hours

Laboratory: 1 hour

(course fee required)

RAS 111◇ Radiographic Anatomy & Positioning I

2 credits

Pertinent anatomy and terminology of the body systems involving the abdomen, chest and upper extremities are covered. Emphasis is on routine radiographic positioning and associated pathology.

Prerequisite: Admission to the RAS program

Lecture: 2 hours

Laboratory: 1 hour

(course fee required)

RAS 114◇ Basic Radiation Protection

2 credits

Classes will focus on the Cellular Theory of Human Biology, Principles of Radiobiology and Molecular and Cellular Radiobiology.

Prerequisite: Admission to the RAS program

Lecture: 2 hours

RAS 115◇ Imaging Production

2 credits

Introduction to the fundamental theory of x-ray production and the exposure factors relating to the production and evaluation of diagnostic radiographs. Course focus is on the concepts of contrast, density, detail, and distortion and their relationship to mAs, kVp, time and distance. Integration of required math skills and evaluation of how technique changes affect the imaging processes are included.

Prerequisite: Admission to the RAS program

Lecture: 2 hours

Laboratory: 1 hour

(course fee required)

RAS 117◇ Fundamentals of Radiation

3 credits

Fundamental principles of radiation including atomic structure, electricity, magnetism, x-ray production and interactions between radiation and matter, electromagnetism, x-ray tubes, circuitry, rectification and generators are covered.

Prerequisite: RAS 160◇ or concurrent enrollment

Lecture: 3 hours

(course fee required)

RAS 122◇ Radiographic Anatomy & Positioning II

2 credits

Knowledge and skills to properly perform radiography of the lower extremities, the gastrointestinal tract, genital urinary and biliary systems are provided. Emphasis is on routine radiographic positioning and pathology.

Prerequisite: RAS 111◇; RAS 160◇ or concurrent enrollment

Lecture: 2 hours

Laboratory: 1 hour

(course fee required)

RAS 124◇ Radiation Instrumentation

1 credit

Knowledge and skills required in detecting radiation, maintaining quality assurance and the use of equipment related to these vital areas are covered.

Prerequisite: RAS 115◇, RAS 160◇ or concurrent enrollment

Lecture: 1 hour

Laboratory: 1 hour

(course fee required)

RAS 125◇ Radiologic Health

2 credits

Course content highlights the biological effects of ionizing radiation and the ways to control patient and technologist exposure. Specific topics include radiation dose limits, calculation of entrance skin dosages, the effects of ionizing radiation on matter, early and late effects of radiation exposure, radiobiology, and federal and state protection standards.

Prerequisite: RAS 114◇; RAS 160◇ or concurrent enrollment

Lecture: 2 hours

RAS 150◇ Applied Radiologic Technology I

3 credits

Supervised clinical experience is provided to meet requirements for proficiency in chest, abdomen (KUB), darkroom, and upper extremity radiography. Radiography and its role in the health care field also are discussed.

Prerequisite: Admission to RAS program

Laboratory: 16 hours

(course fee required)

RAS 160◇ Applied Radiologic Technology II

3 credits

Supervised clinical experience is provided to meet requirements for proficiency in radiography of the gall bladder, upper and lower GI, small bowel and intravenous pyelography (IVP) examinations.

Prerequisite: RAS 111◇, RAS 114◇, RAS 115◇, RAS 117◇, RAS 150◇

Laboratory: 16 hours

(course fee required)

RAS 170◇ Applied Radiologic Technology III and IV

4 credits

Supervised clinical experience is provided to meet requirements for proficiency in portable chest and abdomen, cart chest, abdominal series and radiography of the lower extremities.

Prerequisite: RAS 122◇, RAS 124◇, RAS 125◇, RAS 160◇

Laboratory: 20 hours

(course fee required)

RAS 232◇ Radiographic Anatomy & Positioning III

2 credits

Learn pertinent anatomy and terminology of the shoulder and pelvic girdles, ribs, sternum, vertebral column and circulatory system. Emphasis is on radiographic positioning, anatomy and associated pathologies related to the above body systems.

Prerequisite: RAS 122◇; RAS 280◇ or concurrent enrollment

Lecture: 2 hours

Laboratory: 1 hour

(course fee required)

RAS 242◇ Radiographic Anatomy & Positioning IV

2 credits

Learn pertinent anatomy and terminology of the body systems involving the skull, facial bones and sinuses. Emphasis is on radiographic positioning, associated pathology and related basic-contrast media examinations.

Prerequisite: RAS 232◇; RAS 290◇ or concurrent enrollment

Lecture: 2 hours

Laboratory: 1 hour

(course fee required)

RAS 243◇ Digital Radiography

1 credit

Essential principles of computerized and digital imaging will be presented. (formerly Mammography and Digital Radiography)

Prerequisite: RAS 280◇ or concurrent enrollment

Lecture: 1 hour

(course fee required)

RAS 253◇ Special Radiologic Procedures

1 credit

Introduces the radiologic technology student to both the computer axial tomography procedures and equipment and the interventional and cardiac special procedures and equipment used in diagnostic radiology.

Prerequisite: RAS 243◇; RAS 290◇ or concurrent enrollment

Lecture: 1 hour

RAS 260◇ Radiographic Pathology

2 credits

Learn about the concepts of disease. Pathology and disease as it relates to various radiographic procedures will be discussed.

Prerequisite: RAS 232◇; RAS 290◇ or concurrent enrollment

Lecture: 2 hours

RAS 278◇ Radiologic Seminar

4 credits

Enhancement of a student radiographer's knowledge and understanding of all major aspects of radiologic technology. Included is a comprehensive review and required attendance at the computer lab in order to prepare the student for the national ARRT registry examination.

Lecture: 4 hours

RAS 280◇ Applied Radiologic Technology V

4 credits

Supervised clinical experience is provided to meet requirements for proficiency in radiography of the shoulder and pelvic girdles, ribs, sternum, cervical, thoracic and lumbar spines.

Prerequisite: RAS 170◇, RAS 296◇

Laboratory: 36 hours

(course fee required)

RAS 290◇ Applied Radiologic Technology VI

6 credits

Supervised clinical experience is provided to meet requirements for proficiency in radiography of the facial bones, mandible, nasal bones, orbits, sinuses, zygomatic arches, retrograde pyelography, cystography and surgical C-arm procedures, including cholangiography.

Prerequisite: RAS 232◇, RAS 243◇, RAS 280◇

Laboratory: 32 hours

(course fee required)

RAS 296◇ Special Topics in Radiologic Technology

1 credit

Newly developing areas of interest in radiologic technology. Content and format of this course are variable. Topics and lectures to be indicated in syllabus. Weekly topics may include networking in the radiology department, digital radiography, CT, MRI, PACS systems, quality management, or new developing radiologic procedures.

Prerequisite: RAS 170◇ or concurrent enrollment

Lecture: 1 hour

English/Rhetoric & Composition Courses**RHT 085 Introduction to College Reading I**

3 credits

This course covers basic reading comprehension and introduces study skills. Strategies needed for survival in college are stressed.

Prerequisite: Reading Assessment Test

Lecture: 3 hours

RHT 086 Introduction to College Reading II

3 credits

This course covers the development of reading and study skills necessary for comprehending college textbooks. Strategies emphasized are those needed for success in content courses.

Prerequisite: Reading Assessment Test

Lecture: 3 hours

RHT 095 Introduction to College Writing I

3 credits

Designed to improve basic writing skills, this course emphasizes developing competence in sentence and paragraph construction. Basic grammatical structures are stressed.

Prerequisite: Writing Assessment Test

Lecture: 3 hours

RHT 096 Introduction to College Writing II

3 credits

Designed to improve basic writing skills, this course emphasizes increasing competence in writing multi-paragraph essays.

Prerequisite: Writing Assessment Test

Lecture: 3 hours

RHT 101◊ Freshman Rhetoric & Composition I

3 credits

Logical, coherent writing skills for competency in any school or professional writing situation. (*Note: grade of "C" or better is an IAI requirement effective summer 1999*)

Prerequisite: Writing: assessment test score of 4 or higher; an English ACT score of 20 or higher; or a grade of "C" or better in RHT 095 or RHT 096 AND Reading: assessment test score of 4 or higher; a Reading ACT score of 20 or higher; or a grade of "C" or better in RHT 085 or RHT 086

Lecture: 3 hours — IAI: C1 900R

RHT 102◊ Freshman Rhetoric & Composition II

3 credits

Freshman Rhetoric II develops student skills in analytical, critical and evaluative writing, as well as research methodology. (*Note: grade of "C" or better is an IAI requirement effective summer 1999*)

Prerequisite: A grade of "C" or better in RHT 101◊ or a pass grade on departmental proficiency exam

Lecture: 3 hours — IAI: C1 901R

RHT 211◊ Introduction to Linguistics

3 credits

This course covers English grammar, emphasizing problem solving. Recommended for English majors, foreign language students and those who need help understanding English grammar.

Prerequisite: Placement in RHT 101◊

Lecture: 3 hours

RHT 255◊ Creative Writing

3 credits

Personal direction in writing projects. Student/instructor conferences emphasize cooperative evaluation.

Prerequisite: Writing and reading assessment test score of 4; or a grade of "C" or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours

Sociology Courses**SOC 100◊ Introduction to Sociology**

3 credits

This course includes introduction, analysis and description of the structure and dynamics of human society.

Lecture: 3 hours — IAI: S7 900

SOC 120◊ Social Patterns of Courtship & Marriage

3 credits

This course addresses the social context of marriage and family patterns including the development of courtship interaction, factors in marital selection, husband-wife roles, parent-child interaction and problems in marital adaptation.

Prerequisite: PSY 100◊ or SOC 100◊

Lecture: 3 hours — IAI: S7 902

SOC 131◊ Social Problems

3 credits

Analysis of contemporary social problems and investigation of theories on social organization and conflict. Explores the genesis, significance and amelioration of social problems.

Lecture: 3 hours — IAI: S7 901

SOC 175◊ Introduction to Social Work

3 credits

An introduction to generalist social work within the context of social welfare service and policies including their historical origins, conceptual framework, and contemporary foci. Provides an overview of principal social work values and code of ethics, practice

methods, research considerations and policy issues. Also emphasized are the unique experiences of diverse and at-risk populations facing a variety of social challenges. These groups include, but are not limited to, women, minorities, persons with disabilities, gays and lesbians, and older adults, among others.

Lecture: 3 hours

SOC 180◊ Human Sexuality

3 credits

Examination of the biological, psychological, and social aspects of human sexuality. Topics include development of sexual identity and the effects of genetic, cultural and environmental influences on human relationships and behavior.

Lecture: 3 hours

SOC 201◊ Death & Dying

3 credits

The course covers death and dying within a cultural context. Emphasis is on the way culture has led individuals to perceive death and dying. Death and dying is viewed as a social as well as physical process rather than an isolated event. Cross-cultural aspects are considered.

Prerequisite: PSY 100◊ or SOC 100◊

Lecture: 3 hours

SOC 210◊ Sociology of Leadership

3 credits

Provides a basic understanding of leadership and group dynamic theories. Assists participants in developing personal philosophy of leadership, awareness of the moral and ethical responsibilities of leadership, and awareness of ones own ability and style of leadership. SOC 210◊ does not substitute for BUS 150◊, BUS 154◊ or BUS 276◊.

Prerequisite: PSY 100◊ or SOC 100◊, involvement in campus club or activity

Lecture: 3 hours

SOC 225◊ Racial & Cultural Minorities

3 credits

Sociological and social-psychological analysis of racial, religious and other ethnic groups form the course context. The relationships of these groups and their effects on past and present social problems are studied.

Prerequisite: SOC 100◊

Lecture: 3 hours — IAI: S7 903D

SOC 231◇ Analysis of Juvenile Delinquency

3 credits

Topics addressed include conceptions of delinquency and its causations the juvenile-court movement; juvenile detention, treatment of the juvenile offender, and delinquency-prevention programs.

Prerequisite: SOC 100◇

Lecture: 3 hours

SOC 296◇ Special Topics in Sociology

3 credits

International topics and problems in sociology through readings, discussion, guided research and field trips are studied. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Prerequisite: One sociology course

Lecture: 3 hours

Speech/Theatre Courses**SPE 101◇ Principles of Effective Speaking**

3 credits

Course covers basic principles of communication as they relate to conversation, discussion and public speaking.

Lecture: 3 hours — *IAI: C2 900*

SPE 111◇ Interpersonal Communication

3 credits

Examine communication theory and practice in interpersonal (one on one) relationships. Learn to engage in effective communication strategies, both verbal and non-verbal. Develop listening, cooperation and conflict management skills, while increasing self-awareness.

Lecture: 3 hours

SPE 112◇ Intercultural Communication

3 credits

Introduction to communication concepts operating between cultures and co-cultures. Examines cultural values, world views, cultural biases, communication patterns and interpretation of meaning. Emphasizes cultural sensitivity, identity politics and creating relationships across cultures.

Lecture: 3 hours

SPE 113◇ Small Group Communication

3 credits

Examines leadership, group process and interpersonal relations in the small group and public forum. Applies theories of small group dynamics to practical situations. Leadership, public discussion and conflict management are emphasized.

Prerequisite: SPE 101◇

Lecture: 3 hours

SPE 121◇ Advanced Public Speaking

3 credits

Course covers advanced principles of speech preparation and presentation; theory of argument, evidence and reasoning; practice in formal and informal speaking situations and debate; and public discourse on current public questions.

Prerequisite: SPE 101◇

Lecture: 3 hours

SPE 130◇ Introduction to Theater

3 credits

Role of theater as a major fine art and a communicator of ideas, human understanding and cultural values is covered. Contributions of the playwright, actor/actress, director, designer and technician to theatrical production are covered.

Lecture: 3 hours — *IAI: F1 907*

SPE 135◇ Stagecraft

3 credits

Students learn basic safety procedures and technical aspects of theatre presentation, including scenic and property construction, use of tools, painting, techniques, scene shop organization and basic lighting techniques. Students will utilize course concepts by working in Triton College theatre productions.

Lecture: 3 hours — *IAI: TA 911*

SPE 141◇ Introduction to Performance Studies

3 credits

The study and performance of texts, including poetry, drama, short stories, novels, personal narratives and essays. Examines the performance of everyday life in an effort to understand human action and interaction. Emphasis will be placed on using voice and movement to meaningfully interpret texts to an audience.

Lecture: 3 hours — *IAI: TA 916*

SPE 161◇ Acting I

3 credits

Fundamentals of acting: concentration, observation, playing action, body and vocal awareness and the basic artistic process of the actor are taught and implemented through acting exercises, improvisations and scene study. Major acting approaches are introduced and used as the basis for helping the actor acquire craft in order to create believable characters.

Lecture: 3 hours — *IAI: TA 914*

SPE 162◇ Acting II

3 credits

Provides students with a critical introduction to the fundamentals of scene study and textual analysis. Emphasis is placed on scenes from modern and contemporary plays to build a process of character development. Also provides the necessary knowledge and experience for continued work in theatre, and will demonstrate the importance of research, analysis and imagination for resolution of acting issues.

Prerequisite: SPE 161◇

Lecture: 3 hours

SPE 294◇ Gender and Communication

3 credits

Examines gender and sex as they relate to communication theory and practice. Explores the social construction of gender and the various ways in which language, perception and transactional patterns contribute to historical and contemporary notions of masculinity and femininity. Covers effective communication strategies for private and public interactions.

Prerequisite: Writing and Reading assessment test score of 4; or a grade of 'C' or better in RHT 095 or RHT 096 and RHT 085 or RHT 086

Lecture: 3 hours

SPE 296◇ Special Topics in Speech and Theatre

1-4 credits

Speech and/or Theatre topics are studied through readings, discussion, research and application. Topics vary from semester to semester. Course may be repeated up to three times, but no more than six hours may be used by a student to complete the degree requirement of a program.

Lecture: 1-4 hours

Spanish Courses

SPN 101◊ Elementary Spanish I

4 credits

Oral and written practice of basic vocabulary are the course's main topics. The most needed verbs, with emphasis on present tense, are covered along with explanations of cultural and language structures. Computer disks and cassette tapes supplement instruction.

Lecture: 4 hours

(course fee required)

SPN 102◊ Elementary Spanish II

4 credits

Building on basic vocabulary, the course curriculum adds needed verbs, with emphasis on past tense, and strives for more efficient oral and written communications. Explanations of cultural and language structures continue. Computer disks and cassette tapes supplement instruction.

Prerequisite: SPN 101◊ or satisfactory placement test scores

Lecture: 4 hours

(course fee required)

SPN 103◊ Intermediate Spanish I

4 credits

Language as communication, additional vocabulary and more complex concepts of expression are added. Language and cultural structures are explained. Some reading on historic or cultural topics is required. Computer disks and cassette tapes supplement instruction.

Prerequisite: SPN 102◊ or satisfactory placement test scores

Lecture: 4 hours

SPN 104◊ Intermediate Spanish II

4 credits

Language as communication is studied, including reading and discussion of contemporary short stories, -novels or plays, and a review of simple and complex structures of language.

Prerequisite: SPN 103◊ or satisfactory placement test scores

Lecture: 4 hours — IAI: H1 900

SPN 113◊ Spanish Composition & Conversation I

2 credits

Course is designed to develop students' ability to communicate effectively in oral and written form. Emphasis is on listening comprehension and speaking proficiency. Grammar is studied inductively.

Prerequisite: One year of college Spanish. May be taken concurrently with SPN 103◊ and SPN 104◊

Lecture: 2 hours

SPN 114◊ Spanish Composition & Conversation II

2 credits

This continuation of SPN 113◊ is designed to improve pronunciation, listening comprehension and speaking ability. Weekly compositions develop better written self-expression.

Prerequisite: One year of college Spanish. May be taken concurrently with SPN 103◊ or SPN 104◊

or SPN 104◊

Lecture: 2 hours

SPN 115◊ Spanish for Heritage Speakers I

4 credits

Designed for students who are native speakers of Spanish with oral proficiency, but little or no formal training in the language. Underlines Spanish orthography, syntax and vocabulary and includes composition review, reading and discussion of modern prose. Fosters appreciation of Hispanic cultural-linguistic heritage. Also includes culture and civilization of the Hispanic world, with emphasis on the United States.

Prerequisite: SPN 104◊ or successful completion of placement test

Lecture: 4 hours

(course fee required)

SPN 116◊ Spanish for Heritage Speakers II

4 credits

Designed for students who successfully completed SPN 115 and/or who are native speakers of Spanish. Provides students with the opportunity to review and expand Spanish orthography, syntax and vocabulary and includes composition review, reading and discussion of modern prose. Course expands appreciation of Hispanic cultural-linguistic heritage. Content includes additional exploration of culture and civilization of the Spanish speaking world, with emphasis on the United States.

Prerequisite: SPN 115◊ or successful completion of placement test

Lecture: 4 hours

(course fee required)

SPN 118◊ Study/Travel in Hispanic Countries

4 credits

Students study the Spanish language and Hispanic culture. Emphasis is on audio-lingual skills. Students select a research project on a Hispanic topic.

Prerequisite: One year of college Spanish

Lecture: 4 hours

SPN 151◊ Introduction to Spanish-American Literature I

3 credits

Course covers the development of Spanish-American literature from its beginning to the 19th century, before modernism. Students analyze the major authors in terms of their historical context.

Prerequisite: SPN 104◊

Lecture: 3 hours —

IAI: H3 916

SPN 152◊ Introduction to Spanish-American Literature II

3 credits

Development of Spanish-American literature from 1886 to the present is studied. SPN 151◊ and SPN 152◊ together constitute a survey of Spanish-American literature from the Colonial period to the present.

Prerequisite: SPN 151◊

Lecture: 3 hours —

IAI: H3 917

(course fee required)

SPN 190◊ Career Spanish

3 credits

Intensive, beginning Spanish conversation with special emphasis on practical usage in specified career areas are covered. Separate sections for Criminal Justice and Fire Science personnel, Health Careers and Business are offered.

Lecture: 3 hours

(course fee required)

SPN 296◊ Special Topics in Spanish

3 credits

International topics and problems in Spanish language and literature are addressed through readings, discussion, guided research and field trips. Topics vary from semester to semester and must be approved by the dean of Arts and Sciences.

Prerequisite: SPN 104◊

Lecture: 3 hours

Surgical Technology Courses

SRT 110 Introduction to Surgical Technology

1 or 2 or 7 credits

This course emphasizes basic concepts and principles for developing skill competencies required to assist in surgery. (variable credit)

Prerequisite: Admission to SRT program

Credits	Lecture	Laboratory
1	1	2
2	2	2
7	5	6

(course fee required)

SRT 120 Surgical Procedures I

5 credits

Students study the basic surgical procedures, which includes the pre-operative, intra-operative, and post-operative phases commonly performed in the operating-room setting.

Prerequisite: SRT 110; concurrent enrollment in SRT 122

Lecture: 5 hours

SRT 122 Applied Surgical Procedures I

2 credits

Students participate in basic general, gynecological, obstetrical, reconstructive and endoscopic surgical procedures in affiliating clinical agencies. This course includes experience in central supply.

Prerequisite: BIS 190; SRT 110; concurrent enrollment in SRT 120

Laboratory: 9 hours

(course fee required)

SRT 130 Surgical Procedures II

3 credits

Surgical specialty areas, including genitourinary, ophthalmic, otorhinolaryngological and neurosurgical procedures commonly performed in the operating room setting are covered. Concepts and principles of the ambulatory-surgery setting also are presented.

Prerequisite: SRT 120, SRT 122; concurrent enrollment in SRT 132

Lecture: 3 hours

SRT 132 Applied Surgical Procedures II

3 credits

Students participate in ophthalmic, genito-urinary, otorhinolaryngological

and neurosurgical procedures in affiliating clinical agencies. Experience in the ambulatory-surgery setting also is provided.

Prerequisite: SRT 120, SRT 122; concurrent enrollment in SRT 130

Laboratory: 15 hours

(course fee required)

SRT 140 Surgical Procedures III

3 credits

This course addresses surgical specialty areas including orthopedic, thoracic, peripheral vascular and cardiovascular, which are commonly performed in the operating room setting.

Prerequisite: SRT 130, SRT 132; concurrent enrollment in SRT 142

Lecture: 3 hours

SRT 142 Applied Surgical Procedures III

3 credits

Students participate in orthopedic, thoracic, peripheral vascular and open-heart procedures in affiliating clinical agencies. Experience in the recovery room and obstetric department will be included.

Prerequisite: SRT 130, SRT 132; concurrent enrollment in SRT 140

Laboratory: 15 hours

(course fee required)

SRT 160 Surgical Seminar

1 credit

This course provides a forum for the discussion of salient issues related to the practice of surgery as they affect the surgical technologist. Preparation for employment, as well as comprehensive review for certification will be included.

Prerequisite: SRT 130, SRT 132, SRT 140, SRT 142; concurrent enrollment in SRT 162

Lecture: 1 hour

(course fee required)

SRT 162 Applied Surgical Procedures IV

3 credits

This is a clinical course designed to provide opportunities for the student to more fully develop proficiency in the skills required of a surgical technologist.

Prerequisite: SRT 130, SRT 132, SRT 140, SRT 142; concurrent enrollment in SRT 160

Laboratory: 16 hours

(course fee required)

Social Science Courses

SSC 190 Contemporary Society

3 credits

Responsibilities and obligations that face each person in our society are addressed. The basic social sciences— psychology, sociology, economics and government— are studied.

Lecture: 3 hours —

IAI: S9 900

Visual Communication Graphic Design Courses

VIC 100 Graphic Design

3 credits

Introduction to graphic design for all media emphasizing design principles, typography and rendering layouts. Production steps for print, Web and multimedia are discussed. Projects are critiqued for aesthetics and production for media. Projects may become elements of a professional portfolio.

Laboratory: 6 hours

(course fee required)

VIC 104 Computer Art I

3 credits

An introduction to computer applications for the visual arts in a software-based approach to basic image manipulation and creation. Hardware and software are applied to create visual ideas as applied to art and design. Emphasis is placed on creativity. The projects may become elements of a professional portfolio. Recommended for students interested in basic introduction to illustration, paint, photo-manipulation and Macintosh computing techniques. This is a design course, not a production course.

Laboratory: 6 hours

(course fee required)

VIC 121 Introduction to Quark InDesign

4 credits

Layout and software concepts used for page layout are applied through course projects. Hands-on training in the Macintosh computer environment using QuarkXPress and Adobe InDesign software will enable the planning and completion of page layout pieces. Recommended for those students interested in basic page layout techniques using professional software. (formerly

Introduction to QuarkXPress)

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 142◇ Introduction to Illustrator

4 credits

Adobe Illustrator is introduced through a series of illustration-based projects. Emphasis is placed on the application of the tools used for the creativity and production of graphic images consisting of strokes, fills, blends, gradients and filters. Color considerations for illustration specifications, file formats and Macintosh system requirements are discussed. Recommended for students interested in basic illustration techniques using professional software. It is recommended that students taking this course have MAC or PC experience.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 160 History of Photography

3 credits

The historical development of photography as an art form from 1820 to the present, including critical analysis of types of photographs and aesthetic movements in photography. Examines photographs for their aesthetic and humanistic values, emphasizing photographs as expressions of the ideas and beliefs of photographers within their cultural and social contexts.

Lecture: 3 hours

VIC 161◇ Introduction to Photoshop

4 credits

Photoshop is covered through a series of image manipulation projects. Students develop skills to work creatively and efficiently in Photoshop. Overview of the tools, design options, menus, palettes, file formats and Macintosh system requirements will be discussed. It is recommended for those students interested in basic image manipulation techniques using professional software. It is recommended that students taking this course have MAC or PC experience.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 162◇ Digital Photography

3 credits

An introductory course that covers the basic principles of digital black and white and color photography, including equipment selection and use, image processing and the aesthetic concerns as a fine art medium. Framing, composition and exposure will be covered, as well as an overview of the history of photography and its content as both a commercial medium and form of artistic expression. A DSLR camera is recommended but not required. The digital camera, provided by the student, requires a manual setting and a minimum of five mega pixels to complete the course objectives. Students create a portfolio of their work. Computers and software appropriate to photographic production will be used. It is recommended that students have a working knowledge of computers.

Laboratory: 6 hours

(course fee required)

VIC 163◇ Digital Studio Photography

4 credits

Digital photographic studio applications are covered, as students use digital camera equipment, lighting and back drops to create a series of portrait and product images. Lighting ratios, gray balance, contrast, resolution and production requirements are covered. It is recommended that students provide their own DSLR camera equipment and have a working knowledge of computers and Photoshop. Students create a digital portfolio of their photographic portrait and product work.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 172◇ Web Page Design

3 credits

Introduction to designing professional Web pages. Students create Web pages through critique of current sites, planning and storyboards, an interactive project and Web page construction using Adobe Dreamweaver. Highly recommended that students have computer and Photoshop experience.

Laboratory: 6 hours

IAI: MC 923

(course fee required)

VIC 202◇ Graphic Design Typography

4 credits

The exploration of the construction, function and application of typography as a design and communication element are covered in a series of projects. Emphasis is placed on creativity, legibility and readability of the final product. The projects may become elements of a professional portfolio. (formerly Typography)

Prerequisite: VIC 100◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 213◇ Color Management

4 credits

The process of building a calibrated color system is studied. Topics include scanner, monitor, proofing, image setter direct to plate/press, press calibration, multimedia, Web, devise character or color gamut, color conversion and RGB, CMYK and CIE color space. The goal of this course is for the student to develop a system to achieve predictable and consistent color reproduction from layout through press and media. It is recommended that students have a working knowledge of Photoshop.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 242◇ Advanced Layout and Illustration

4 credits

The grid system with Adobe InDesign is used to create multi-page designs. Advanced illustration using Adobe Illustrator is used to create ad and marketing campaigns. Digitized and original images are manipulated in a series of projects. Emphasis is placed on creativity and concept development and the final output of each piece. Projects are critiqued for aesthetics and may become elements of a professional portfolio. Recommended for those students interested in applying advanced illustration design and production techniques using professional software. (formerly Advanced Illustrator)

Prerequisite: VIC 121◇, VIC 142◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 261◇ Advanced Photoshop

4 credits

Designed to expose the student to the advanced operations of Photoshop and Color Management of digital images. Through a series of image modification projects, students will develop the skills that are needed to work creatively and efficiently in a design/pre-press production environment. Projects are critiqued for aesthetics and may become elements of a professional portfolio.

Prerequisite: VIC 161◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 263 Advanced Digital Studio Photography

4 credits

Advanced digital photographic studio applications are covered as students use digital camera equipment, lighting and backdrops to create a series of advanced portrait and product images. Studio management and studio lighting for location photography are covered. It is recommended that students provide their own DSLR camera equipment. Students create a digital portfolio of their photographic portrait and product work.

Prerequisite: VIC 163◇, VIC 161◇ or co-requisite

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 264◇ Advanced Digital Photography

3 credits

A continuation of study of digital photography concepts and application. The hardware and software used to capture photographic images with a digital SLR camera is explored. Advanced photographic composition methods, as well as SLR technical photography skills are covered. Field trips throughout the course allow for on-location photographic composition. Students create a portfolio of their work. Students are expected to have the use of a digital SLR camera. (formerly 164)

Prerequisite: VIC 162◇, VIC 161◇ or co-requisite

Laboratory: 6 hours

(course fee required)

VIC 265 Photography Production

3 credits

Digital workflow for photography is covered from image planning to output. Workflow software, including Adobe Bridge and Lightroom are covered. Students apply Raw files for editing and production, as well as file formats for storage and delivery. Digital marketing and the business of photography is discussed to prepare the student for freelance and/or studio work.

Prerequisite: VIC 162◇ or VIC 163◇

Laboratory: 6 hours

(course fee required)

VIC 270◇ Writing for Multimedia

3 credits

An introduction to the basic writing skills necessary to create messages for the multimedia environment. Writing copy for print/advertising, Web-based and other digital formats including text, audio, still and moving images. It is recommended that a student have strong writing skills or have completed RHT 101◇.

Laboratory: 6 hours

(course fee required)

VIC 272◇ Advanced Web Page Design

3 credits

Advanced Web page design is explored by adding design principles through CSS, interactivity, animation, sound and video. Experienced users of Dreamweaver further develop a site with the more sophisticated and interactive features found in the software. Web page design is developed using techniques, including cascading style sheets, designing layout using positioning and floating of elements, CSS-based navigation and critique.

Prerequisite: VIC 172◇

Laboratory: 6 hours

(course fee required)

VIC 273◇ Flash Animation

3 credits

Introduction to the concepts, processes and history of animation, covering both traditional and two-dimensional computer-based animation techniques and incorporate the use of drawn, vector and bitmapped formats as a means of generating animated sequences. It is recommended that students taking this course have some basic computer experience and an understanding of Web applications, (formerly Introduction to Flash Animation)

Laboratory: 6 hours

IAI: MC 924

(course fee required)

VIC 274◇ Advanced Flash Animation

3 credits

Creation of advanced animation incorporating action scripting, sound and graphics. Principles of design, information architecture and user interaction are covered in the creation of advanced interactive movies.

Prerequisite: VIC 273◇

Laboratory: 6 hours

(course fee required)

VIC 282◇ Portfolio Design and Production

4 credits

Advanced graphic design projects, planning and preparation of a professional portfolio are covered. Traditional portfolio "books" and a digital portfolio in web or multimedia format is submitted for successful completion. It is recommended that students take this course in their last semester of study and have developed a series of 25-50 images consisting of print, web or multimedia work for a portfolio. Each project will include production requirements for output. All aspects of production, from file formatting to binding are explored. Students will formally present portfolio work for review. A copy of all portfolio materials is submitted to the Visual Communication program on a CD. (formerly Portfolio Design)

Prerequisite: VIC 202◇, VIC 242◇, VIC 261◇

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

VIC 285◇ Digital Video

3 credits

Students will learn to use various digital video hardware and software required to produce live action effects. These tools will be used to digitize and manipulate video footage and then output that footage for CD-ROM and/or web delivery. Students will use video digitizing tools to capture video and manipulate, alter, move and layer multiple tracks of video. Students will apply motion to static objects and images and apply transitions, as well as sound to enhance the visuals. Projects will be evaluated for creativity.

Laboratory: 6 hours

(course fee required)

VIC 286◇ Advanced Digital Video

3 credits

Production course structured around the art of filmmaking. Students will create several advanced short films. Emphasis is placed on script development, pre-production, on-location shooting and post-production editing. Students use traditional production techniques, as well as digital technology. For a final project, each student will produce and direct either a short documentary or narrative film.

Prerequisite: VIC 285◇

Laboratory: 6 hours

(course fee required)

VIC 287◇ Sound for Multimedia

3 credits

Students will be introduced to audio production and post-production techniques. Digital audio formats, compression techniques, hardware and storage systems will be covered. Through the use of specialized hardware and software, students will become familiar with the production process as it relates to the creation of audio effects for Web, CD-ROM and other methods of delivery.

Laboratory: 6 hours

(course fee required)

VIC 288◇ Video Editing

4 credits

Students will learn the fundamentals of non-linear video editing. Covers major aspects of post-production workflows: capturing footage, file management, editing styles and conventions, audio sweetening, and exporting. Consists of lectures and demonstrations linked to hands-on individual project creation and execution. Culminates with a final project of the students' personal footage or footage provided by the instructor. It is recommended, but not required, that students are familiar with video production and Photoshop.

Lecture: 2 hours

Laboratory: 4 hours

(course fee required)

IC 290◇ Cooperative Work Experience

3 credits

See course description CWE 290◇

Prerequisite: (1) Completion of 12 credit hours. Two of these courses, in discipline; must be completed (2) 2.0 Grade Point Average ("C" average); (3) Approval of the Cooperative Education Office.

Contact Hours: 240

(course fee required)

VIC 291◇ Cooperative Work Experience

3 credits

See course description CWE 291◇

Prerequisite: (1) VIC 290 with a "C" grade or better; (2) 2.0 Grade Point Average ("C" Average); (3) Approval of the Cooperative Education Office.

Contact Hours: 240

(course fee required)

VIC 296◇ Special Topics in Visual Communication

0.5-4 credits

Visual Communication topics and issues are studied through readings, discussion, skill-based instruction and field trips. Topics vary from semester to semester. Course is repeatable when topics vary; up to a maximum of 12 credit hours may be used toward graduation.

Prerequisite: Dependent upon course requirements

Lecture: 0.5-4 hours

Laboratory: 0.5-8 hours

(course fee may be required)

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Glossary of Terms

academic placement

Entering credit students are required to take institutional placement tests which determine knowledge in basic reading, writing and math or provide formal documentation of basic learning skills.

academic calendar

Important dates for each semester; e.g., registration, add/drop, holidays and exams.

area of concentration

Courses that create a foundation for an intended major or electives to meet credit-hour requirements for a degree.

arts and sciences

Courses in the Arts and Sciences curricula parallel those offered at universities and are transferable to baccalaureate institutions.

associate's degree

Six types are offered at Triton College: Associate in Arts (AA), Associate in Science (AS), Associate in Applied Science (AAS), Associate in Fine Arts (AFA), Associate in Arts Teaching (AAT) and Associate in General Studies (AGS).

articulated course

A course that meets the requirements for a specific course or elective credit at a four year college or university, or has been approved by the Illinois Articulation Initiative, identified by the ◊ symbol (i.e. RHT 101◊).

attendance policy

The number of absences permitted will vary from class to class.

audit

Taking a class to benefit from experience without receiving a grade or college credit. The cost of auditing a course is the same as that charged for enrolling for credit. Special registration procedures apply.

auxiliary fee

A \$1 per course fee which supports the development and maintenance of recreational facilities designed for student use.

certificate

Awarded to students who complete specific requirements in career education certificate programs of less than 50 semester hours.

chargeback

Individuals who reside outside the Triton College district and want to enroll in a curriculum that is not offered by their local community college should apply for tuition assistance from their home district.

college success course work

Provides students with the knowledge of basic reading, writing and mathematical skills that are necessary for success in the course or program of study chosen by the student. College success courses may not be used to meet graduation requirements.

cooperative work experience

Program designed to enhance the student's academic knowledge, personal development and professional preparation through a combination of classroom theory and practical work experience with area business and industry.

counselor

A professionally trained person who assists students with personal, academic and career concerns.

course load per semester

Seventeen semester hours constitute the normal semester course load. A student is considered "full-time" if the semester hour course load is 12 hours or more.

credit hour

The unit used to quantitatively measure courses. The number of credits assigned to a course is usually determined by the number of in-class hours per week and the number of weeks per session.

credit by examination

Course credit awarded to students demonstrating knowledge through proficiency or CLEP Exams.

dean/associate dean

Individual responsible for a particular instructional or administrative division.

degree

Awarded to a student who has completed a program of study.

department chair

Person who assists in the organization of curricula, scheduling of classes and management of faculty members within their own department.

disciplinary action

Students who fail to comply with Triton College policies, regulations and rules will be subject to disciplinary action, including dismissal from the college.

district

Made up of 25 towns and villages that surround Triton College. The tuition rate is determined by the student's residence.

drop a course

Action taken when a student no longer wants to take a course he/she has previously registered for. A course dropped during 100% tuition refund period does not appear on the student's transcript. After 100% period, a 'W' will appear on the student's transcript.

dual admission

Students are admitted simultaneously to both a 2-year college and the 4-year institution that will grant the final degree. The student will complete approximately the first 2 years of college at the 2-year college and transfer for the junior and senior year to the designated 4-year institution.

elective

Courses that students choose to take in order to reach the required number of hours for a certificate or degree. Students in some curricula have "suggested electives" or "program electives."

enrollment verification

Procedure to certify current or previous enrollment at Triton College.

extension sites

An outreach center of Triton College offering credit and non-credit courses at locations within the district.

extracurricular activities

Events or activities offered outside of the credit curriculum; e.g., clubs, athletics.

fee

Money charged for additional services beyond tuition rate (i.e., Registration fee, Student Services fee).

honors

Distinction awarded to graduates based on cumulative GPA at graduation.

honors study

The opportunity for honors study is available through general petition into Scholars Program course sections and Independent Study. These options are designed to provide intellectual challenge for the serious student.

financial aid

Financial assistance designed to bridge the gap between the resources of the students and their families and the cost of attending Triton College. The different forms of financial aid are: grants, loans, work on campus, various local scholarships or veteran's affairs.

financial aid transcript

Records showing past financial aid agreements between the student and any other colleges or universities.

flexible scheduling

Classes offered at a variety of times, course lengths and locations that respond to the student needs.

full time

Enrollment in 12 or more credit hours per semester (6 hours in summer session).

general petition

A form used by students when requesting that the college initiate an action pertaining to student enrollment.

general studies

An associate's degree (AGS) intended for students whose educational goals cannot be adequately met by other degree programs. The AGS is awarded in individualized curricula that has been agreed upon by the student and counselor.

grade point

Numerical value assigned to the letter grade received in a class. Used to calculate a grade point average.

graduation petition

A form required to be considered for an upcoming graduation.

hybrid/blended courses

A method of instruction that utilizes face-to-face, online and Internet deliveries.

Illinois Articulation Initiative (IAI)

The Illinois Articulation Initiative (IAI) is a statewide agreement that allows transfer of the completed General Education Core Curriculum between participating Illinois institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for an associate's or bachelor's degree have been satisfied.

incomplete grade

If a student is passing and misses the final examination (with authorization of the appropriate dean) or fails to complete a major course assignment, the instructor may assign a grade of an "I"—Incomplete. Coursework must be completed within 30 days of the start of the next semester or the grade automatically becomes "F".

independent study

Students working on their own in order to complete a course in an Arts and Sciences program. Special requirements apply.

international student

Non-native student wishing to attend Triton with a student visa. Special application process is required.

joint agreement

Understanding between Triton and other community colleges that out-of-district students can pay in-district tuition rates when enrolled in specific unique programs. Selected programs are available at in-district rates at other community colleges.

lecture/lab

Number of hours students spend per week in lecture and/or laboratory time in a course.

online course

A method of instruction that is predominantly delivered online through the Internet.

part time

A student who is taking fewer than 12 semester hours (less than six hours in summer session).

permanent record

The college's internal document reflecting the unabridged academic history of the student at the institution.

placement tests

Institutional placement tests in reading, writing and math required for all credit students. Used to determine placement into appropriate levels of course work.

prerequisite

A course or courses that must be completed before taking another.

probation (academic)

Student academic status when 13-24 semester hours are attempted with completion of less than 50 percent of semester hours attempted or cumulative GPA of less than 2.00.

probation (disciplinary)

Students who fail to comply with college rules and regulations will be subject to disciplinary action, including dismissal from the college. Disciplinary hearings are conducted.

refund

A student who officially withdraws from any class may be refunded a percentage of the course tuition, depending on when withdrawal is made. The refund schedule is published in each college catalog.

registration

The process of completing forms and steps necessary to enroll in classes.

repeating a course

Students may repeat a course in which they have received "D" and/or "F" grade but may not receive credit for the course more than once. Only the higher of the two grades will be used in computing the grade point average. This policy pertains to courses taken and repeated at Triton College.

reverse transfer

A student transferring from another college to Triton.

schedule (semester)

A publication providing a complete listing of dates and times for courses offered for a semester.

schedule (class)

A listing of times, days and location of a student's courses.

scholars program

A program of course work for academically superior students intending to transfer to four-year institutions. Special admission procedures apply.

selective admission programs

Programs that have special enrollment requirements.

semester

The period when courses are conducted. Triton has fall, spring and summer semesters.

semester hour

See credit hour.

standards of academic progress

A procedure that identifies students who are seemingly making little or no academic progress and offers to help them correct academic weakness as early as possible.

student handbook

"Book 411" is Triton's student handbook for campus information, including programs, services and departments.

student orientation

Session to introduce students to Triton programs, services and facilities. Optional course planning is included. Required for all new degree-seeking students.

student services fee

Fee is charged to any students enrolled in one or more credit classes. This fee supports programs such as student activities, College Center operations, Learning Resource Center and the school newspaper.

"2 + 2" agreements

These agreements define two years of specific Triton course work that would allow for transfer into specific programs of study at participating four-year institutions. The agreement(s) also define(s) the two years of course work required at the senior institutions for completion of the baccalaureate degree. For additional information, students are encouraged to contact a counselor.

transcripts

Documents which are forwarded to persons or agencies for their use in reviewing the academic performance of the student. An official transcript is a legal document which contains an official signature, date of issuance and college seal. An unofficial transcript has no signature, date, or seal and is intended for reference or advising purposes only.

transfer credit

Upon petition, credit that has been earned at another accredited college or university will be applied to the student's Triton record.

transfer guide

A guide for the 2-year college student providing general information regarding course work at the 2-year college that matches the transfer requirements of the 4-year institution.

transfer services

Assistance to students who plan to transfer to a baccalaureate institution by helping them identify appropriate colleges and universities and scholarship sources.

tuition

Cost of attending courses based on residency status and the number of semester hours for which the student enrolls.

tuition payment plan

Agreement to make tuition payments in installments during the semester.

undergraduate center

An interdisciplinary, multicultural program within the Interdisciplinary Studies department which offers courses in the liberal arts and general education requirements.

university center

Through strategic partnerships with senior institutions, the college will offer students the opportunity to continue their higher education pursuits for select bachelor degree programs without leaving the Triton campus.

weekend college

Courses offered Friday nights, Saturdays and Sundays. Primarily designed for mature, disciplined students who are capable of concentrated attention and study.

withdrawal

Procedure to terminate enrollment in a class after the add/drop period. Students who do not officially withdraw from courses in which they are enrolled may be assigned a failing grade ("F") even if they never attend the class and will be held accountable for all tuition and fees.