



2022-2023 Academic Programs



Bachelor's Degrees

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Agribusiness Management–BBA2
Applied Psychology–BS2
Civil & Environmental Engineering
Technology–B.Tech3
Crime Analysis–B.S4
Criminal Investigation–B.Tech
Criminal Justice: Law Enforcement
Leadership–B.Tech5
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Early Childhood Care & Management–BBA6
Electrical Engineering Technology–B.Tech7
Emergency Management–BS7
Esports Management–BBA8
Finance–BBA8
Forensic Criminology, B.S
Funeral Services
Administration–B.Tech9
Game Design & Development–BS10
Graphic and Multimedia
Graphic and Multimedia Design–BS11
Health & Fitness
Promotion–B.Tech 11
Health Care Management–B.S12
Homeland Security–B.Tech
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Information Technology–B.Tech
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Technological Communications–BS18
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Administration–BBA19
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Associate Degrees

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Freshmen Admission:

Candidates for admission to the College must meet the following minimum requirements:

- 1. Be a graduate of a secondary school accredited by its State Education Department, hold a high school equivalency diploma, or meet certain home-school criteria.
- IEP diplomas are not considered. Students with an IEP diploma must pass a high school equivalency.
- 2. Have completed, with a satisfactory level of achievement, the minimum course prerequisites for the curriculum selected.
- 3. Demonstrate academic preparation necessary for success in the curriculum selected.

The most important criterion for admission as freshmen directly from high school is the secondary school record (grade point average, pattern of course work, etc.). Some candidates will be asked to submit additional criteria, such as an essay, personal statement, or resume.

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SUNY General Education Requirements

I. Knowledge and Skill Areas

(GER 1-10)

- 1. Mathematics
- 2. Natural Sciences
- 3. Social Sciences
- 4. American History
- 5. Western Civilization
- 6. Other World Civilizations
- 7. Humanities
- 8. The Arts
- 9. Foreign Language
- 10. Basic Communication

II. Competencies

- 1. Critical Thinking (Reasoning)
- 2. Information Management

Requirements for Admissions

The Office of Admissions reserves the right to request additional information, and applicants may, of their own accord, submit additional supportive documents.

Transfer Admission:

Applicants who have previously enrolled or taken at least one class at another institution after high school graduation, are considered transfer students. In addition to completing the application for admission, transfer students must also submit an official transcript from every college or university previously attended. Transfer students who have earned less than 24 college credit hours at the time of application will be required to submit their official high school transcript. However, we encourage all transfer students to submit their high school transcript for financial aid requirements. Lack of an official high school transcript on record with SUNY Canton may result in the loss of a financial aid opportunity. Transfer students must meet specific GPA and credit hour requirements for their program of application. All degree programs

have specific requirements for admission. Transfer students should contact the Office of Admissions for further information at 1-800-388-7123.

For all transfer students, equivalency credit for coursework shall be determined by the Coordinator of Transfer Services. A preliminary evaluation notice will be sent via email and credits will be viewable in DegreeWorks. Students are encouraged to contact <u>transfer@canton.edu</u> with any subsequent questions or concerns regarding their evaluation. Courses completed at another institution transfer only as credits, quality points do not transfer. A letter grade of "D" or better is required for credit, unless specifically stated otherwise.

The Office of Admissions reserves the right to request additional information, and applicants may, of their own accord, submit additional supportive documents.

BACHELOR'S DEGREES

Agribusiness Management-BBA

About This Major:

Are you looking for a career in management? Consider Agribusiness Management. Want to explore the potential of food and agriculture industry? Think of Agribusiness as a career option. SUNY Canton's Agribusiness Management BBA degree is designed to create future entrepreneurs, thanks to a rigorous curriculum that focuses on the agriculture and food industry, including modern day farming.

The agriculture industry constantly evolves to meet the changing needs of society. Crop management, production and distribution are all critically important as the world's population continues to grow. Success in the field requires an advanced understanding of technology and entrepreneurship.

Students will Learn:

- Accounting
- Finance
- Marketing
- Strategy
- Operations
- Human Resources
- Economics
- Ethics
- Communications

Students In This Major:

- Are educated in all of the functional managerial skills
- Use cutting-edge case studies to hone analytical skills

Career Opportunities:

The employment opportunities cover a broad range, including major employers and also entrepreneurships. Graduates are working in:

- Technical sales representatives
- Food brokers
- Accountants
- Financial managers
- Market analysts
- Fruit and vegetable marketing representatives
- Sales managers
- Small animal health care distribution
- International business specialists

Admission Requirements:

Refer to the table of high school course prerequisites for admission.

- Students must be prepared to take ENGL 101 (Composition and the Spoken Word).
- Transfer students must meet re-registration requirements to be considered for admission.

Program Requirements:

Curriculum (2645) Semester I Credits AGMT 100 Intro. to Agribusiness3 BSAD 100 Introduction to Business 4 CITA 110 Intro. to Information Technology......3 ENGL 101 Composition and the Spoken Word (GER 10) 3 FYEP 101 First Year Experience......1 Mathematics Elective (GER 1) Recommended MATH 111<u>3-4</u> 17-18 Semester II ACCT 101 Foundations of Financial Accounting4 ECON 101 Macroeconomics (GER 3).3 ECON 105 Survey of American Economic History3 MATH 141 Statistics 3

Natural Science (GER 2)3-4
16-17
Semester III
ACCT 102Foundations of Managerial
Accounting3
ECON 103 Microeconomics3
BSAD 203 Marketing3
BSAD 215 Small Business Mgmt3
Other World Civilization

Other world Civilization	
(GER 6) <u>3</u>	
15	

Semester IV

BSAD 201 Business Law I3
FSMA 210 Introduction to Finance3
Humanities (GER 7)3
Foreign Language (GER 9)
(Spanish recommended)3
General Elective3
15

Semester V

AGMT 305 Agricultural Policy
AGMT 320 Agricultural Markets and
Price Analysis3
BSAD 301 Principles of Management . 3
BSAD 310 Human Resource
Management3
ECON 314 Managerial Economics3
15
Semester VI
AGMT 310 Agribusiness Management3
AGMT 330 Farm Business Mgmt3

AGINT 330 Furth Dusiness Myrin
AGMT 385 Agriculture Law3
BSAD 322 Advertising and Promotion.3
LEST 388 Environmental Law3
15

Semester VII BSAD 340 Mar

BSAD 340	Management	
	Communications	3
BSAD 345	Technological Innovations	&
	Entrepreneurship	3
	Program Elective	3
	U/L Program Elective	3
	U/L Program Elective	3
	1	15

Semester VIII

AGMT 410 Internship AND/OR U/L Program Elective(s) 3-12

AGMT 450 Capstone in Agribusiness Management......<u>3</u>

* Fulfills writing intensive requirement. U/L = Upper Level Courses (300/400) GER = General Education Requirement Upper Level Program Electives: ACCT, BSAD, ECON, FSMA, LEST

Applied Psychology-BS

About This Major:

The mission of the B.S. Applied Psychology program is to train students with the knowledge and skills for a rewarding career in the helping professions. This degree prepares its graduates for:

- Non-licensed entry level positions in human and social service settings;
- Advancement from current positions to positions that require a bachelor's degree
- Completion of the Addiction Treatment Training Certificate Program. This program allows matriculated and non-matriculated students to obtain coursework that meets the 350 contact hours needed to apply for the Credentialed Alcohol and Substance Abuse Counselor-Training (CASAC-T) credential through the New York State Office of Alcohol and Substance Abuse Services (OA-SAS). Ability to sit for examinations for licensure that allow individuals to work in positions in the human and social service settings; and
- Application to graduate level education in Social Work, Mental Health Counseling, Psychology, Applied Behavior Analysis, and Law, among other disciplines.

The B.S. in Applied Psychology addresses a growing need, both locally and nation-wide for trained personnel to serve in human services related fields. This need stems from 10-year projections forecasting the need of social services. These include the delinquent population, pregnant teenagers, homeless persons, and people with mental disabilities and/or developmental disabilities, people with substance abuse, as well as the growing elderly population.

Disclaimer

The completion of this baccalaureate degree will not qualify the holder to apply for, be hired for, or perform the duties related to, employment which involves the provision of services prohibited by New York State Education Law Article 153, Psychology, Paragraphs 7601 and 7601a. This prohibits graduates from SUNY Canton who hold a BS in Applied Psychology, like other baccalaureate programs in Psychology, from performing tasks which only licensed providers are authorized to do under state law (i.e., psychologists, mental health counselors, psychoanalysts, creative arts therapists, marriage and family therapists, registered nurses, physicians, licensed maters social workers, licensed clinical social workers, and licensed behavior analysts).

In Class or Online

This degree can be completed face-toface, online, or using a combination of both, making us unique in the SUNY System. It is our goal to meet the needs of every potential student, from recent high school graduates to adult learners considering a career change.

Career Ready at Graduation:

Organizations prioritize hiring individuals with skills in working with people who have a strong background in applied psychology. SUNY Canton students spend time in a variety of human service agencies and are prepared for immediate employment in non-licensed entry level positions with other professionals in counseling, habilitation and rehabilitation, and social work to assist clients in becoming successful in their lives. The SUNY Canton applied psychology program also provides a strong foundation for students who plan to seek licensure for positions in human and social service settings and who want to continue their studies at graduate and professional schools.

While working with licensed and certified human service professionals, will be prepared to:

- Help assess clients.
- Assist in identifying and employing best practices in crisis interventions for clients.
- Carry out programs developed in collaboration with supervising professionals.
- Apply professional and legal standards in daily work assignments.
- Use scientific research to help develop successful intervention programs for
- clients.
 Employ knowledge of counseling and intervention strategies to collaboratively develop successful life programs for clients.

Career Opportunities:

- Graduates of this program have moved directly into these meaningful careers:
- Performing assessments to determine general eligibility for services
- Providing substance abuse treatment services for incarcerated individuals
- Coordinating prevention and residential services for victims of domestic violence
- Assisting in adult or child protective services investigations
- Working in agencies that administer services to families seeking to adopt children or provide foster care

Admission Requirements:

- Refer to the table of high school course prerequisites for admission.
- Transfer students must have a minimum GPA of 2.0 OR a two-year degree.

Program Requirements:

Required Courses	Credits
Semester I HUSV 100+ Human Services Fo	rum 1
ENGL 101+ Composition & the	
Spoken Word (GER 1 PSYC 101+Intro. to Psychology	0) 3
General Elective (Mat	h)3-4
HUSV 201 + Intro. to Human Services*	3
History Elective (GER 4 or 5 or 6)	
(OLK 4 OF 5 OF 0)	16-17
Semester II ABAP 245+ Introduction to Appl	lied
Behavior Analysis	3
SOCI 101 + Intro to Sociology(C PSYC 225 + Human Developme	FR 3)3
BIOL 101, 117, 150	
Lab+ Science Elective (GER	R 2) .4
Humanities Elective (GER 7)	
(GER /)	<u>3</u> 16
Semester III PSYC 275+ Abnormal Psychology	3
SSCI 181 + Alcohol Drugs & Society(GER 3)	<i>y</i> 0
Society(GER 3) MATH 141+ Statistics**(GER 1) .	3
General. Elective	
(any GER) General. Elective	
Semester IV	15
PSYC 308+ Personality and Indi	
Differences + Arts/Language Elec	
(GER 8 or 9)	3-4
HUSV 310+ Working in Human Agencies	Service
+ Program Elective + Program Elective	3
-	15-16
AS or AA GRAD Total Credits: Semester V	62-64
SSCI 370 Research Methods	
HUSV 305 Professional & Ethical Responsibilities	3
SOCI 300 or PSYC 300 Race & Relations or Cultural	Ethnic
Psychology	3
HUSV 315 Mental Health Practice Program Electives	
-	15
Semester VI PSYC 410 Counseling Skills &	
Procedures	3
SOCI 320 or PYSC 320 Sociole Health, Illness, and H	ogy of Tealth
Care OR Psych of He and Fitness	ealth
PSYC 315 Crisis Intervention PSYC 340 Social Psychology	3
PSYC 340 Social Psychology Program Elective	3
0	15
Semester VII HUSV 421*** Practicum I	3
Program Elective	3
U/L Program Elective U/L General Elective	

General Elective......3

Semester VIII HUSV 422 or U/I

SV 422 or U/L Pr. Elective	3
U/L Program Elective	3
U/L General Elective	3
General Electives	3
General Elective	3
	15

BS GRAD Total Credits for Degree 122-124

- L/L Program electives include: ABAP, ECHD, HUSV, PSYC, SOCI, SSCI courses. U/L Program electives include: 300/400 HUSV, PSYC, SOCI, SSCI courses
- *MATH 141 is a co-requisite for SSCI 370; may use first semester General Elective for MATH 141 pre-req (e.g., MATH 106, MATH 111) if necessary
- **Writing Intensive course
- ***Applied learning course
- + Courses to be used to meet Liberal Arts Associates Degree. Student must take Science with a lab to qualify.

Civil & Environmental Engineering Technology-B.Tech.

The Civil & Environmental Engineering Technology (C&EET) curriculum provides students with a Bachelor of Technology (BTech) degree that meets the demands of today's industry. Students receive hand-on training

and the background necessary to be competitive and successful in civil and environmental engineering technology. Flexibility with program electives allows students to study in areas of structural analysis and design, water and wastewater testing and treatment, environmental remediation, geotechnology, construction and project management, surveying, and AutoCADD/ REVIT drafting and BIM. Graduates have the opportunity to pursue graduate study.

Students In This Major:

- Master the knowledge, techniques, skills, and modern tools in civil and environmental engineering technology.
- Select and apply engineering, technology, science, mathematical skills to applications, problems and design.
- Conduct experiments, analyze, interpret, and apply experimental results.
- Have knowledge of construction and earth materials; their properties, use, manipulation, and testing procedures.
- Proficient in common water, wastewater, and soil collection and testing procedures.

Career Opportunities:

Employment opportunities span the range of industry and commerce. Opportunities include:

Structural/Environmental/Construction Engineering and Technology, Civil/ Environmental Engineer, Engineering Assistant, Structural Design and Detailers, Assistant Project Manager/ Engineer/Environmental Engineer,

Surveyor, Environmental Technologist, QC Engineering Technologist, Groundwater Engineer, Municipal Water/ Wastewater Treatment Plant Operator, Geotechnical Engineer, Construction Project Estimator, Construction Inspectors and Residential & Commercial/ General Contractors. Recent graduates have started their career with companies like Kiewit Corporation, Parson, GHD, Atlantic Testing Laboratories, Cives Steel Company and the United States Navy. Graduates have also gone on to graduate school for Master of Science/ Engineering degrees in both Civil Engineering and Environmental Engineering.

Career Outlook

- Employment opportunities for civil and environmental engineering technicians are expected to increase by 6% and 5%, through 2028 due to the growth and repair of infrastructure (highways, bridges, dams, etc).
- Employment in environmental technology is expanding because of the increased awareness of environmental issues, and more stringent regulations.

Admission Requirements:

- Freshmen will meet all general admission requirements to SUNY Canton.
- Students should have completed four years regents level high school math and be ready for Pre-Calculus (MATH 123) and College Physics I (PHYS 121/125). Students not meeting these criteria will be required to take prerequisite math courses.
- Students with a two-year college degree in a related program area will be evaluated and awarded maximum credit. They must have a minimum grade point average of 2.00. Other transfer students will be evaluated on case-by-case basis.

Program Requirements:

(Curriculum 2488) Semester I Credit ENGS 101 Intro to Engineering2 SOET 116 Intro to Computer Drafting 2 CONS 101 Elementary Surveying......4 MATH 123 Pre-Calculus1......4 PHYS 121/131 College/Univ. Physics I3 PHYS 125/135 College/Univ. Physics I Lab.....<u>1</u> 16 Semester II CONS 172 Technical Statics²......3 GER (3, 4, 5, 6, 7, 8, or 9)³....3 MATH 161 Calculus1......4 PHYS 122/132 College/Univ. PHYS 126/136 College/Univ. Physics II Lab......1 ENGL 101 Composition and the Spoken Word3 Semester III CONS 203 Advanced Surveying......3 CONS 272 Strength of Materials for

CONS 275 Strength of Materials Lab. I CONS 280 Civil Engineering
Materials
Semester IV CONS 216 Soils In Construction ⁴ 4 CONS 322 Hydraulics4 MATH 364 Differential Equations ¹ 3 GER (3, 4, 5, 6, 7, 8, or 9) ³ . 3
Semester V CONS 336 Structural Analysis
Semester VI ECON 370 Engineering Economics3 CONS 274 Construction Mgmt3 CONS Course ⁴ (CONS 387 or CIVL 384)3 Program Elec. ⁶ 3 Design Elective ⁵ 3 16
Semester VII SOET 377 Engineering Ethics
Semester VIII CONS 477 Capstone Project
Total Required Program Credits = 124
1 Students starting with Calculus I, will take Calculus I, Calculus II, Differential

CONS 275 Strength of Materials Lab . 1

- a students starting with Calculus 1, with take Calculus I, Calculus II, Differential Equations, and a fourth math class of their choosing and with advisement.
- 2 Students may take ENGS 201 Statics in place of CONS 172 and ENGS 203 Engineering Strength of Materials in place of CONS 272. Note that ENGS 201 and ENGS 203 may not be offered in like semesters to CONS 172 and CONS 272 and this substitution may alter program course sequencing.
- 3 GER = General Education Elective. Students must accomplish 7 separate GER categories: GER 3, 4, 5, 6, 7, 8, or 9. Depending on Program Elective selection students may need to take one or more 300/400 level GER courses in order to reach 45 upper division credits.
- 4 CONS Course: Four (4) courses are required by all students in the program. These courses are: CIVL 384 Engineering Geology, CONS 385 Hydrology & Hydrogeology, CONS 386 Water Quality, and CONS 387 Water & Wastewater Treatment. They are being referred to as CONS Courses because they will be offered on a rotational basis, every other year depending on enrollment.
- 5 Design Elective: All students must take at least one civil structural design course (CONS 304, CONS 324, or CONS 370).
- 6 Program Electives: A list of approved Program Electives is provided below. Students wanting to focus more on structural civil engineering technology must take a total of 6

Program Electives and are strongly advised to take CONS 222. Students wanting to focus on environmental engineering technology must take a total of 5 Program Electives, two of which must be CHEM 155 and BIOL 150, and they are strongly advised to take CONS 350 and MATH 141. It's advised that CHEM 155 be taken In Semester 4, if possible, and that BIOL 150 be taken in Semester 5 or sooner if possible. Students must be sure that enough 300/400 level courses are taken to fulfill the minimum requirement of 45 upper division courses. Students focusing on environmental engineering will likely have to take a 300-/400-level GER. Course selection must be under advisement of and with approval of the assigned academic program advisor or department chair.

Approved Program Electives: CIVL 381, CIVL 480, CVIL 3XX, CIVL 4XX, CMGT 200, CMGT 300, CMGT 301, CMGT 304, CMGT 305, CMGT 308, CMGT 322, CMGT 323, CMGT 389, CMGT 403, CMGT 410, CONS 111, CONS 112, CONS 222, CONS 226, CONS 304, CONS 316, CONS 324, CONS 338, CONS 350, CONS 366, CONS 368, CONS 370, CONS 372, CONS 375, CONS 432, CONS 472, CONS 485, CONS 486, CONS 487, CONS 3XX, CONS 4XX, AREA 110, AREA 210, AREA 310, AREA 320, AREA 322, AREA 324, AREA 340, AREA 370, AREA 424, CHEM 155, CHEM 301, CHEM 302, BIOL 150, BIOL 209, EADM 201, ENGS 102, SOET 314, SOET 352, SOET 353, SOET 374, SOET 400, SOET/BSAD 430, LEST 388, MATH 141, MATH 341, MATH 351, MATH 361, MATH 371, MATH 401, MATH 461, MECH 301, MECH 341, **MECH 342**

NOTE: Civil & Environmental Technology students must meet seven of the ten and have a total of 30 credits for the General Education Requirements. There are a total of 124 program credits.

Student Learning Outcomes can be found at www.canton.edu/csoet/cet/.

Crime Analysis-B.S

The four-year, undergraduate Bachelor of Science in Crime Analysis combines a core concentration in crime analysis with select courses in data analytics, cyber security, and geographic information systems. Through-out this program, students identify solutions to crime problems and learn to formulate crime prevention strategies. Additionally, students learn crime mapping and the application of statistics to understand the techniques available to map crime and provide predictive analytics to criminal justice agencies. Applying spatial analysis and mapping, quantitative assessment, and using standard software packages, individuals who complete the program will be prepared to understand investigative techniques and data in order to provide criminal justice agencies with tactical, operational, and strategic crime analysis products. Students will also be prepared to enroll in and pass the New York State Division of Criminal Justice Services crime analysis certification examination.

Students In This Major:

- Receive training in spatial & data analysis
- Learn components associated with the NYS crime analysis certification exam
- Complete classes toward a minor, including Forensic Science, Criminology, or Homeland Security

Career Opportunities:

- Crime Analyst
- Criminal Justice Research Analyst
- Law Enforcement
- Intelligence Analyst
- Criminal Justice Policy AnalystPublic Policy and Administration

Admission Requirements:

- Students must be prepared to take Intermediate Algebra (MATH 106).
- Students must be prepared to take Composition and the Spoken Word (ENGL 101).
- Transfer students must have a minimum cumulative grade point average of 2.0 or above.

Recommended preparatory courses or their equivalencies are:

JUST 232 Intelligence Analysis JUST 233 Crime Analysis MATH 111 Survey of Mathematics **OR** MATH 121 College Algebra MATH 141 Statistics

Program Requirements:

Program Ke	quirements:
(Curriculum .	3006)
Semester I	Credits
JUST 233 C	rime Analysis3
	omposition & Spoken
١	Word3
Μ	Word3 ATH Elective (GER 1)3
	beral Arts Elective
	Any GER]3
A	merican History Elective
[GER4] <u>3</u>
	15
Semester II	
	telligence Analysis3
CITA 110 In	troduction to Info
	Fechnology3
MATH 141 S	Statistics [GER1]3
	atural Science (GER 2) .3-4
	beral Arts Elective
[Any GER]3
	15-16
Semester III	
GMMD 101	
	GER7]3
	beral Arts Elective3
	beral Arts Elective3
	beral Arts Elective
l	GER5,6,8,9]3
G	GER5,6,8,9]3 ieneral Elective3 15
	15
Semester IV	ath Elective (CER1)
MATH M Li	ath Elective [GER1]3 beral Arts Elective3

Liberal Arts Elective	3
Liberal Arts Elective	3
General Elective	3
General Elective	3
	15
	Liberal Arts Elective Liberal Arts Elective General Elective

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JUST 380 Civil Liberties & Homeland
          Liberal Arts Elective ......3
         Liberal Arts Elective ......3
         General Elective.....<u>3</u>
Semester VI
JUST 347 Res Methods in Criminology
          JUST 314 Ethics in CJ* ......3
JUST 423 Intelligence Led Policing.....3
         U/L Liberal Arts Elective .....3
         U/L Liberal Arts Elective .....3
Semester VII
JUST 402 GIS: Crime Mapping......3
JUST 425 Law Enforce. Intell. Systems3
LEST 450 Trial Court & Rules of
          Evidence ......3
         Liberal Arts Elective ......3
         Liberal Arts Elective ......3
JUST 429 Intro to Culm. Exp ......1
Semester VIII
LEST 450
         Trian Courts & Rules of
          Evid......3
JUST 430 Culminating Experience in
          CJ OR
         (4) U/L Program Electives ....
          3-12
                                 15
Students in the Criminal Investigation,
 B. Tech. program are required to earn a "C"
or better in JUST 430.
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* Fulfills writing intensive requirement.

U/L = Upper Level Courses (300/400)

GER = General Education Requirement

meet seven of the ten General Education

Requirements and have 30 total GER

Student Learning Outcomes can be

www.canton.edu/sci health/ci/.

Criminal Investigation-B.Tech.

nal Investigation provides a unique

programs. This degree focuses on

developing the necessary knowledge

and skills required in criminal investi-

gations. Students can opt to complete an

internship with an agency in the Crimi-

· Receive advanced training in crimi-

• Learn to analyze forensic evidence,

preserve crime scenes, collect and

· Complete classes toward a minor,

• Federal law enforcement agencies

· Autopsy Technician/Medical Investi-

including Forensic Science or Crimi-

nal Justice field or complete 5 Upper

Level JUST courses

Students In This Major:

nal investigation.

process evidence.

Career Opportunities:

• Police Officer

nology.

gator

The Bachelor of Technology in Crimi-

alternative to traditional criminal justice

Crime Analysis students must

NOTE:

credits.

found at

JUST 421 Cyber Criminology......3

Semester V

logy
....3
....3
....3
15Intermediate Algebra (MATH 106).• Students must be prepared to take
Composition and the Spoken Word
(ENGL 101).• Transfer students must have a mini-
mum cumulative grade point average
of 2.0 or above.....3
15....3
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100<

· Military police

Forensic Scientist

· Crime Scene Technicians

Admission Requirements:

• Students must be prepared to take

Communications JUST 210 Introduction to Forensic Investigation MATH 111 Survey of Mathematics OR MATH 121 College Algebra

Program Requirements:

(Curricului	
Semester I	Credits
JUST 101	Intro. to Criminal Justice3
ENGL 101	Composition & Spoken
	Word3 MATH Elective (GER 1)*3
PSVC 101	Introductory Psychology 3
Liberal Art	s Course(Any GER)3
LIDCIGITAT	15-16
Semester II	
JUST 112	
SOCI 101	
	Lower Level Program
	Elective 13 Natural Science w/Lab
	(GER 2)4
	Humanities Elective
	(GER 7)
	Humanities Elective (GER 7)3 16
Semester II	
JUST 201	Critical Issues in Crim.
	Justice*3
JUST 209	Law Enforc.
PSVC 275	Communications
JUST 202	Intro to Forensic
3001 202	Criminology3
	American History Elective
	(GER 4)
	Liberal Arts Elective
	Liberal Arts Elective (Any GER)3 15
с . п	
Semester IV	Criminal Investigations3
JUST 203	Intro. to Forensic Invest3
3001 210	Lib. Arts Elective (any GER) 3
	Lib. Arts Elective
	(GER 5,6, 7,8,9)3
	General Elective3
	General Elective <u>3</u>
C	18
Semester V JUST 300	Forensic Photography3
JUST 300	Investigative Interviews3
	General Elective
	General Elective3
	General Elective3
	15

Semester VI

1021 301 I	Latent Prints and
	Impressions3
JUST 314 E	Ethics in Criminal Justice ³
	OR
JUST 426 E	Ethics in Forensic Science ³ 3
F	Forensic Science Cluster ⁴ 3
(General Elective3
(General Elective3
	15
Semester VI	I
JUST 406 (Crime Scene Investigation .3

U/L General Elective3 General Electives6

Semester VIII

JUST 430 Culminating Experience in CJ OR (5) U/L Program Electives3-15 15

* MATH 111 or higher is required – NOTE: If you are enrolling in a course that is a prerequisite for a required course in your program, your TAP eligibility may be affected.

** Fulfills writing intensive requirement.

- ** Writing intensive course.
- 1. Lower Level Program Electives are selected from JUST or EADM (100-200) level courses
- 2. UL Program Electives are selected from JUST, EADM or LEST (300-400) level courses
- 3. A student CAN earn credit for both courses but is only required to take one or the other.
- 4. Choose one from this list: JUST330 Questioned Documents, JUST411 Forensic Drug Analysis and Investigation, JUST412 Firearm and Toolmark ID, JUST413 Methods of Human Skeletal ID
- 5. This course is only required for students intending to take JUST 430, Culminating Experience, in the 8th semester

NOTE: All newly admitted transfers and freshmen must attain a passing grade of 2.0 or greater to receive credit towards graduation for any UL JUST course.

Student Learning Outcomes can be found at www.canton.edu/sci_health/ci/.

Criminal Justice: Law Enforcement Leadership-B.Tech.

The Law Enforcement Leadership program blends the disciplines of criminal justice, law enforcement and management. It provides the foundation to allow graduates to seek entry positions in law enforcement or to seek promotion into supervisory and management positions. Most graduates of this program will seek employment with law enforcement agencies, other governmental agencies or in the private sector. Since the program provides ample opportunities for electives, students may choose electives that may help them to develop or hone management skills, or acquire knowledge and skill in law enforcement techniques.

Students In This Major:

• Develop leadership and managerial

skills needed to succeed in contemporary law enforcement agencies.

- Analyze critical issues in law enforcement
- Study under the tutelage of experienced criminal justice professionals.
- Are exposed to current issues and state-of-the-art technology.
- Culminate their education with a semester-long internship or additional course work.
- Qualified students have the opportunity to attend the David Sullivan-St. Lawrence County Law Enforcement Academy as an internship site.
- Can choose to take all classes for the degree online!

Career Opportunities:

- Law enforcement officers at local, state and federal level
- Law enforcement management for municipal, state, and federal agencies
- Probation and Parole
- Security consultants
- College and university campuses

Career Outlook:

- Jobs for graduates in law enforcement are projected to increase by 7% through 2020 according to the U.S. Department of Labor Bureau of Labor Statistics.
- Higher education requirements for entry level employees of law enforcement agencies at all levels are becoming more common.

Admission Requirements:

- Students must be prepared to take Intermediate Algebra (MATH 106).
- Students must be prepared to take Composition and the Spoken word (ENGL 101).
- Transfer students must have a minimum cumulative grade point average of 2.0.

Program Requirements

(Curriculum 1911)

	yy 5
Amer. History Elective	
(GER 4)	3
Humanities Elective	
(GER 7)	3
General Elective	3
	15

Semester III

CITA 110 Intro. to Information Technology......3

MATH 141	Statistics	
	(GER 2)4	
	Lib. Arts Elective	
	(GER 5,6,8,9)3	
	General Elective3 16	
Semester IV	7	
JUST 201	Critical Issues in Criminal Justice **3	
JUST 207	Police Services3	
JUST 209	Law Enforcement	
	Communication OR	
BSAD 200	Business Communications .3	
	Liberal Arts Elective [GER]3	
	General Elective	
	15	
Semester V		
JUST 321	Managing Law Enforce.	
	Training	
JUST 344	Civil Liability Issues for CJ	
	Admin	
BSAD 301	Principles of Management .3	
	U/L Program Elective ² 3	
	U/L Program Elective ² 3	
	15	
Semester V	I	
JUST 314	Ethics in Criminal Justice	
	OR	
BSAD 319	Professional Ethics	
	Managing Patrol Functions 3	
	U/L Program Elective ² 3	
	U/L Program Elective ² 3	
	General Elective	
	15	
Semester VII		
	Intro to Culminating	
	Europieros * 1	

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General Elective ......3
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Semester VIII

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JUST 430 Culminating Exper. in CJ
AND/OR
U/L Program Electives ..3-15
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*This course is only required for students intending to take JUST 430 Culminating Experience.

- ****Writing Intensive course**
- U/L = Upper Level course (300/400)

GER = General Education Requirement

- Program Electives: JUST, BSAD, or LEST
- NOTE: Criminal Justice: Law Enforcement Leadership students must meet seven of the ten General Education Requirements and have 30 total General Education credits.
- NOTE: As of Fall 2013, all newly admitted transfers and freshmen must attain a grade of 2.0 or greater for any Upper Level JUST course to receive credit towards graduation.
- Student Learning Outcomes can be found at

www.canton.edu/sci_health/lelm/.

Cybersecurity-B.S.

The Bachelor of Science in Cybersecurity program prepares students to assess security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. The program includes instruction in computer architecture, programming, and systems analysis; networking; telecommunications; cryptography; security system design; applicable law and regulations; risk assessment and policy analysis; contingency planning; user access issues; investigation techniques; and troubleshooting.

Students In This Major:

- Develop management skills, communication skills, and other skills in order to meet their challenging career.
- Are taught by qualified faculty in small classes.
- Gain hands-on experience on security and risk management, asset security, security engineering, communication and network security, identity and access management, security assessment and testing, security operations, and software development security.
- Will complete a Capstone Project.

Career Opportunities:

- Cybersecurity Forensic Specialist
- Security Analyst
- Security Auditor
- Security Consultant
- Security Risk Assessor
- Security Manager
- Information Security Officer
- Security Trainer
- Security Systems Designer

Potential Employers:

- Information Security / Information Technology Companies
- Health Management Services
- Financial Services
- Government
- Education
- Military
 - Information Security / Information Technology Departments in any industry

Admission Requirements:

- Students must be qualified to enter at least College Algebra (MATH 121) and Composition and the Spoken Word (ENGL 101).
- Computer or technology courses are strongly recommended.
- Transfers into this program must have a 2.0 GPA for admission. Students from other institutions and majors may have to complete certain bridge courses that could extend their graduation date.

Students who do not meet necessary prerequisites may be admitted to the College. However, completing the program may require more than four years.

Program R (Curriculum	equirements: *
Semester I CITA 152 (CYBR 1655 ENGL 1010	Credits Computer Logic
CITA 175 (CITA 171 (MATH 141	15 Comp. Concepts & Oper. Sys
CITA 215 I CITA 220 I CITA 221 I	Introduction to Programming
CITA/CYBR	
Data Secur MATH 351	ecurity Cluster
CYBR/CITA I I	ccurity Cluster
	Cyber Security Body of Knowledge

Semester VIII

CYBR 485 Cybersecurity Practice......6 Ór

UL Program Elective3	
UL Program Elective3	
UL LA Course3	
UL LA Course3	
UL General Elective3	1

12

Program Elective-CYBR, CITA, JUST

Seven of ten SUNY GER academic areas (including mathematics and basic communica-

tion) and 30 credits of SUNY GER courses must be completed within the first two years of full-time study of the program. Network Cluster-CYBR 354, CYBR 356, CITA 440/441 Data Security Cluster-CYBR 360, CYBR/ JUST 365, CYBR 455 1 Minimum mathematics requirement is MATH 121 College Algebra.

2 Fulfills writing intensive requirement.

Additional Graduation Requirements

Each required CYBR/CITA course used to meet graduation requirements must have a grade of C or higher or transfer credit. No more than 3 CITA credits with a course number below CITA 150 may be used for credit towards graduation.

Early Childhood Care & Management-BBA

The Bachelor of Business Administration in Early Childhood Care and Management combines theory and practice for students seeking careers in the childcare field; working specifically with children from infancy - 5 years of age. The degree program prepares students for careers in childcare centers or various early childhood-based businesses and organizations within the early childhood and childcare industry.

Early Childhood upper-level program electives offer content relevant to the professional development and growth of the early childhood educator and early childhood director. Additional courses provide a strong business-focused foundation. Courses include content related to organizational leadership, human resources and fiscal management, small business management and ownership, and leadership.

Program Delivery:

The Bachelor of Business Administration in Early Childhood Care and Management can be completed fully online, on campus, or a combination of both. Distance students can attend FLEX classes virtually in real-time or view recorded class sessions throughout the semester. Students can begin enrollment in fall or spring and attend part or full-time.

Students In This Major:

- · Participate in student teaching fieldbased experiences and internships in various childcare settings, including Head Start Programs, Universal Pre-K, and Kindergarten Public School Classrooms, Child Care Centers, Family Child Care Provider Homes, Nursery, and Pre-School programs, Children's Museums, Libraries, and additional Early Childhood Businesses and Organizations
- Design a final semester of study to include an internship, or capstone project, or enrollment in program electives or a combination of all, based on students' individual future career or academic goals.

· Take part in professional development opportunities offered through courses, conferences, trainings, seminars, and workshops

Career Opportunities:

- Child Care Center Owner or Director
- · Child Care Center Director
- Self Employed Family Child Care Center Provider
- Early Childhood Resources and **Referral Agencies**
- · Early Childhood Trainer or Consultant
- Early Childhood-Based Businesses and Organizations
- Head Start Program Administration
- Children's Museum Educator/Trainer

Career Outlook:

- According to the U.S. Department of Labor, job opportunities for preschool and childcare center directors are favorable. The median annual wage for preschool and childcare center directors was *Employment statistics from Bureau of Labor Statistics 2019-2029, May 2020
- · Certification requirements are increasing for Early Care and Education providers. Bachelor Degrees are necessary to work in lead administrator positions in childcare facilities and Head Start programs.
- · Changes in society and the workforce demand an increase in the availability of high-quality early childcare and education options for families and children from infancy to pre-kindergarten.

Admission Requirements:

Students must meet entrance requirements and be eligible for enrollment in:

- · Composition & the Spoken Word (ENGL 101).
- · Transfer students must have a minimum 2.0 GPA for admittance to the ECHD major
- Transfer students must meet re-registration requirements to be considered for admission
- Students who do not meet ECHD admission requirements may enroll in preparatory courses. Students must pass all *preparatory courses and have a minimum 2.0 GPA for admittance to the ECHD program.
- · Graduates of BOCES Early Childhood Occupations programs may be eligible for 3-6 college credits toward the Early Childhood Program at SUNY Canton. Refer to the College catalog for a list of BOCES Programs for which we have articulation agreements.

Program Requirements:

• Students are required to complete mandated trainings offered through NYS Office for Children: Identification of Child Abuse & Neglect and

Foundations in Health, Safety & Nutrition [offered online within our courses]

- · Early Childhood students must complete a Health Clearance through the SUNY Canton Davis Health Center; have evidence of a recent physical exam, and updated immunizations.
- · For off campus teaching experiences (ECHD 201 and the Internship) residential students will need to arrange for coordination of and/or transportation to their assigned placement sites. Distance students' complete student teaching and internship experiences in close proximity to their residence and attend seminars virtually.

(Curriculum		C. P.
ECHD 101	First Year Experience . Introduction to Early Childhood (GER 3)	
ENGL 1010	Composition & the Sp	oken
(Word (GER 10)n ntroduction to Psycho GER 3) Science Elec. (GER 2). History Elective (GER 4	3 3-4
	ntroduction to Busine Wellness in Young	ss 3
	Children	
٨	Child Development Nath Elective (GER 1)	3-4
ECHD 131	Infants and Toddlers.	<u>3</u> 15-16
Semester III ECHD 105	Student Teaching	1
ACCT 101F	Orientation Curriculum Developr oundations of Fin.	ment.3
ECHD 250	Accounting Children with Specia Needs	
	Humanities Elective (GER 7) Art or Lang, Elective	3
	(GER 8 or 9)	17-18
Semester IV ECHD 201	Student Teaching Fiel	ld
ECHD 204	Experiences Early Childhood	4
	Observation Issues & Policies in Ed	arly
BSAD 203 M	EC & ED* - WI Marketing General Elective	3
Semester V ECON 101	Principles of Macroeconomics	3
BSAD 215 S ECHD 340	Small Business Mgmt. Policies & Regulation	3 s in
	EC Settings Positive Child Guidar General Elective	nce 3
BSAD 310 H	Professional Ethics Human Resource	
ECHD 401	Management DAP: Learning Environments	3
E	Infants-Age 5 Fostering Relationshi EC Programs J/L Program Elective	ps in 3

- Semester VII ECHD 409 Orientation to Culminating Experience.....1 ECHD 420 EC Program Development & Management......3 BSAD 340 Management Communications3 U/L Program Elective3
 - U/L Elective3

Semester VIII

Early Childhood Care & Management Internship OR Capstone Project OR U/L Program Electives OR Combination of: ECHD 410 Internship AND/OR.. 3-12

ECHD 411 Capstone AND/OR.....3-12 U/L Program Elective....3-12

12

* Fulfills writing intensive requirement. GER = General Education Requirement

NOTE: Early Childhood students must meet seven out of ten General Education Requirements.

Student Learning Outcomes can be found at: www.canton.edu/business/early_childhood/.

Electrical Engineering Technology-B.Tech.

The Electrical Engineering Technology (B. Tech.) program at SUNY Canton provides opportunities for students to acquire knowledge and practical skills necessary to begin a career in engineering technology as technologist or engineer.

Program Educational Objectives

- 1. Be effective in performing their duties as Engineers, Technologist, or Technician:
- 2. Be effective in writing and oral communications:
- 3. Be ready to expand knowledge in engineering profession through continuing education, or other life-long learning experiences;
- 4. Be committed to quality, timeliness and respect for diversity.

Student Learning Outcomes

What students are expected to know and be able to do by the time of graduation:

- 1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadlydefined engineering problems appropriate to the discipline;
- 2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline;
- 3. An ability to apply written, oral, and graphical communication in broadlydefined technical and non-technical environments; and an ability to identify and use appropriate technical literature:

4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes; and

5. An ability to function effectively as a member as well as a leader on technical teams.

Career Opportunities:

- Electronics Technologist or Engineer
- · Biomedical Engineering Technologist • Sale Engineering Technologist or
- Engineer
- · Service Engineering Technologist or Engineer
- Systems Test Engineering Technologist or Engineer
- · Product Engineering Technologist or Engineer
- Software Engineering Technologist · Documentation Engineering Tech-
- nologist or Engineer • Quality Control Engineering Technologist or Engineer
- · Applications Engineering Technologist or Engineer
- R&D Technologist or Engineer
- · Engineering Assistant
- Power Sub-Station Design Engineer
- Graduate School

Accreditation

· Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 - Telephone (410) 347-7700.

Admission Requirements

- Candidates must have a minimum of a high school diploma or GED.
- Students must be prepared to take Pre-Calculus (MATH 123). If a student does not meet the criteria, he/she will be required to take prerequisites in math. All students with high school diploma or GED will be required to take a placement examination to determine his/her standing.
- Students who graduate with a two year college degree in a program related area will be evaluated and awarded maximum credit to enable him/her to complete the (B. Tech) degree in two years. Transfer students from community colleges, universities or other institutions of higher learning with some coursework completed will be evaluated on case-by-case basis. Minimum grades of "C" for transfer provided the content is comparable to that offered at SUNY Canton.

Program Requirements:

(Curriculum 0216)	
Semester I	Credits
ELEC 161 Electronic Fabrications	2
ENGL 101 Composition & the Sp	oken
Word	3
MATH 123 Pre-Calculus	4
SOET 116 Intro to CAD & Design	2
ELEC 101 Electrical Circuits I	3
ELEC 109 Electrical Circuits I Lab	1
	15

Semester II

ENGS 102 Programming for
Engineers2
ELEC 102 Electric Circuits II
ELEC 129 Electric Circuits II Lab1
MATH 161 Calculus I4
ELEC 165 Digi Fundamentals &
Systems3
ELEC 166 Digi Fundamentals &
Systems Lab1
, 17
Semester III

PHYS 121 College Physics I OR	
PHYS 131 University Physics	3
PHYS 125/135 Physics I Lab	1
ELEC 141 Industrial Controls	2
ELEC 213 Microprocessors	3
ELEC 231 Electronic Circuits	
MATH 162 Calculus II	4

17

. 137

Semester IV
ELEC 243 Computer Automated
Control Systems2
ELEC 215 Electrical Energy
Conversion4
ELEC 225 Telecommunications3
PHYS 122 College Physics II OR
PHYS 132 University Physics II3
PHYS 126/136 Physics II Lab1
MATH 263 Calculus III
17
Semester V
ELEC 332 Industrial Electronics3
ELEC 343 Advanced Circuit Analysis3
SOET 377 Engineering Ethics1
MATH 141 Statistics 13
MATH 364 Differential Equations4
Elective
(GER 3, 4, 5, 6, 7, 8, 9)3
17
Semester VI
ELEC 380 LAN/WAN Technology3
ELEC 383 Power Transmission and
Distribution3
ELEC 385 Electronic
Communications I3
SOET 348 Engineering Safety1
Program Elective 3

Program Elective3 Flective (GER 3, 4, 5, 6, 8, 9).....<u>3</u> Semester VII ELEC 386 Electronic

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Communications II......3
ELEC 416 Microelectronics Circuit
         Design ......3
        Project Management ......3
SOET 361
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Program Elective ......3
Elective
Elective
(GER 3, 4, 5, 6, 7, 8, 9)..<u>.3</u>
15
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Semester VIII

- ELEC 488 Electrical Power Systems 3
- ECON 370 Engineering Economics 3

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Program Elective ......3
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Elective
(GER 3,4,5,6,7,8,9)......<u>3</u>
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Suggested Program Electives: SOET 374 Industrial Management SOET 349 Industrial Safety and Health SOET 373 Management Telecommunications ELEC 405 Satellite Communications ELEC 375 Fiber Optic Communications

- PHYS 301 Introduction to Photonics MECH 351 Design of Experiments
- AREA 303 Wind Turbines
- MECH 342 Thermodynamics

AREA 340 Geothermal Energy MATH minor courses: 341, 361, 351, 371, 391

- * Fulfills writing intensive requirement
- UL = Upper Level Courses (300/400) GER = General Education Requirement
- Program Electives: Must be from ap-

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proved list of program electives for
the Electrical Technology program or
permission of program coordinator.
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NOTE: Electrical Engineering Technology students must meet seven of ten General Education Requirements, 45 upper level credits.

Student Learning Outcomes can be found at www.canton.edu/csoet/elec/.

Emergency Management-BS

The Bachelor of Science degree in Emergency Management focuses on the development and education of emergency managers and other administrative personnel with responsibilities in emergency management or the allied homeland security field of study. Students receive education in the mitigation of, preparedness for, response to, and recovery from natural or technological emergencies, disasters and catastrophes.

Students learn emergency management theory and doctrine and how to apply it In simulated disasters. The curriculum follows standard processes for ensuring the preparedness and resilience of communities and organizations.

Students in this Major:

- · Learn about the phases of emergency management (mitigation, preparedness, response, and recovery).
- Analyze past disasters and examine effectiveness of the current approaches to emergency management.
- · Learn about natural and technological hazards, develop hazard and vulnerability assessments, and strategize mitigation solutions.
- Study new and innovative methods for preparing communities and organizations to address the risk of emergencies, disasters, and catastrophes.
- · Understand how to assess community and organization resilience to disasters and methods for recovering from disasters.
- Build leadership, communication, decision-making and problem-solving skills through the development and completion of tabletop, functional and full-scale virtual exercises.
- · Explore the major legal and liability issues in emergency management and their potential roles in rulemaking and policy development.
- · Acquire the skills necessary to develop, conduct and evaluate disaster exercises in highly-structured and applied, interactive educational simulations.

Career Opportunities:

- · County and city emergency and disaster management agencies
- Regional and state emergency management and homeland security departments and agencies
- · Federal emergency management and homeland security agencies
- · Emergency management departments within many Federal agencies
- · Private Sector emergency management consulting firms.
- Institutions of Higher Education and secondary school districts
- · Hospitals and public health agencies
- · Private corporations and businesses, including nuclear power plants
- · Criminal justice, firefighting and emergency service agencies

Admission Requirements:

- Students must be prepared to take Survey of Math (Math 111) or College Algebra (MATH 121)
- Students must be prepared to take Composition and the Spoken Word (ENGL 101)
- · Transfer students must have a minimum 2.0 GPA for admittance to the Emergency Management major and meet specific program requirements for admission.

Program Requirements:

(Curriculum 1864) Semester I Credits ENGL 101 Composition & the Spoken Word3 SOCI 101 Introduction to Sociology ... 3 EADM 201 Fundamentals of Emergency Management..3 Liberal Arts Elective (Any GER)......3 Liberal Arts Elective (Any GER)......3 FYEP 101 First Year Experience....... 16 Semester II EADM 205 Hazard Assessment and Mitigation.....3 MATH Math Elective (GER 1)*.....3 Science and Lab (GER 2) ... 3 Liberal Arts Elective (Any GER)......3 Liberal Arts Elective3 Semester III EADM 220 Emergency Mgmt. & Response.....3 EADM 222 Emergency Planning3 Science Elective(GER 2).....3 Liberal Arts Elective (Any GER)......3 Liberal Arts Elective (Any GER).....<u>3</u> Semester IV EADM 320 Recovery and Resilience ... 3 JUST 230 Fundamentals of Homeland Security3 Liberal Arts Elective3 Liberal Arts Elective3

General Elective......3

15

	Oenerul Liechve
	Liberal Arts Elective3
	U/L Liberal Arts Elective 3
l	15
	Semester VII
s	EADM 400 Incident Management
,	Systems
	EADM 430 Simulated Disaster
	Training3
	JUST 429** Introduction to
	Culminating
	Experience1
	U/L Liberal Arts Electives3
	U/L Liberal Arts Elective3
	General Elective3
	16
	Semester VIII
	EADM 435 Disaster Simulation3
	EADM 485 Emergency Management
	Case Study3
	EADM 480 Internship EADM3-9
	OR
	UL Program Elective3
	UL General Elective3
	General Elective <u>3</u>
	15

Semester V

Semester VI

BSAD 301 Principles of Management .3

Fiscal Mgmt......3 EADM 314 Professional Ethics OR

BSAD 319 Professional Ethics3

EADM 307 Legal Issues in E&D......3

SOCI 325 Sociology of Disaster3

Liberal Arts Electives......3

Liberal Arts Elective3

General Elective......3

15

EADM/BSAD 305 Public Budgeting &

Upper Level Program Electives: All upper level EADM, JUST, LELM, HSMB, CONS, ECON, BSAD, SSCI, CITA and PSYC courses, and/or other upper-level courses with permission of instructor. *MATH 111 or higher is required-NOTE: If you are enrolling In a course that is a pre-requisite for a required course in your program, your TAP eligibility may be affected.

** Fulfills writing intensive requirement. U/L = Upper Level Courses (300/400) GER = General Education Requirement

NOTE: Emergency Management students must meet all ten General Education Requirements.

Student Learning Outcomes can be found at www.canton.edu/business/eadm/.

Esports Management-BBA

Esports is a rapidly growing field, both nationally and internationally. Experts predict that, by 2021, global Esports revenues will have reached \$1.65 billion. As more game designers and gaming consumers enter the market, there will be a need for managers to support their efforts. Game publishers, college and professional leagues, advertisers, and firms in complementary markets (gaming accessories, computers, specialty eyewear products, etc.) will together create a high demand for employees who understand the basic technology, language, and culture of Esports and who possess marketing and management skill and knowledge. Graduates of the Esports Management program will be able to pursue positions in public relations, Esports marketing and promotion, tournament directors, collegiate Esports coaches and directors, events management, sales, facilities management, game day operations, and general Esports administration.

Career Opportunities:

Graduates will be well-qualified for entry-level professional opportunities in fields such as: Esports public relations Advertising Event management Sales Coaching/administration

Admission Requirements:

Refer to the table of high school course prerequisites for admission http://www.canton.edu/academics/ prerequisites.html.

Students must be prepared to take ENGL 101 (Composition and the Spoken Word).

Program Requirements:

•		
(Curriculus	m 2991)	
Semester I		Credits
CITA 110	Introduction to Inform	ation
	Technology	3
ESPT 100	Introduction to eSports	S
	Mgmt	3
ENGL 101	Composition and the	
	Spoken Word	3
FYEP 101	First Year Experience	1
	MATH 111, 121, or 1	41
	(GER 1)	3-4
		13-14
Semester II		
BSAD 100	Introduction to Busine	ss 3
		-

BSAD 203 Marketing......3 ACCT 101 Foundations of Financial Accounting ECON 101 Macroeconomics (GER 3) 3 GMMD 101 GMMD 101 Introduction

to Media Studies (GER 7) 3

Semester III

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ACCT 102Foundations of Managerial
         Accounting ......3
BSAD 201 Business Law I......3
ECON 103 Microeconomics (GER 3)..3
GAME 110 Fundamentals of Game
        Design ......3
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American History (GER 4)..3

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Semester IV
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FSMA 210 Introduction to Finance.....3
        Arts (GER 8).....3
        Liberal Arts Elective
         (must be GER) ......3
        Western Civilization (GER 5)
         OR
        Other World Civilization
         (GER 6)......3
```

Foreign Languages (GER 9)3 15

Semester V

- SPMT 240 Sports Governance......3
- SPMT 312 Sports Entrepreneurship ... 3 BSAD 301 Principles of Management . 3
 - U/L Program Elective......3
 - General Elective......3

Semester VI			
BSAD 372 Electronic Commerce3			
BSAD 372 International Business			
Management			
SPMT 412 Sports Sales and			
Sponsorship			
U/L Program Elective3			
U/L General Elective3			
15			
Semester VII			
BSAD 340 Management			
Communications3			
ESPT 308 Esports Event Management 3			
U/L General Elective3			
General Elective3			
General Elective <u>3</u>			
15			
Semester VIII			
ESPT 450 Esports Internship OR			
U/L Program Electives3-12			
ESPT 404 Esports Capstone			
15			
* Fulfills writing intensive requirement.			
U/L = Upper Level Courses (300/400)			
CED Connel Education Descriment			

GER = General Education Requirement Upper Level Program Electives: ACCT, BSAD, ÊCON, ENGL 270, ENGL 301, ESPT, FSMA, LEST, GMMD, SPMT, CITA and MINS

Finance-BBA

As our society moves to a more service-oriented world, the area of financial services becomes critical to our present and future economic situation. The movement towards blurring of the worlds of business, finance, stock brokerage, bond trades, insurance, banking and retirement planning has produced a tremendous growth industry. SUNY Canton's Finance program puts our graduates on the leading edge of this service industry.

Students In This Major:

- Receive a solid fundamental education in the areas of business, finance, accounting, and liberal arts.
- Train in many operational areas of financial services.
- · Have the opportunity to spend an entire semester in the financial industry.
- Prepare for graduate-level education.

Career Opportunities:

The employment opportunities cover a broad range of options, including major employers and also entrepreneurship. Graduates are working in:

- Banking
- Insurance
- · Credit Unions
- Brokerage Firms
- Financial Planning Firms
- · Colleges and Universities

Employers of SUNY Canton Graduates:

- Community Bank
- SEACOMM Federal Credit Union
- SUNY Canton

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- North Franklin Federal Credit Union
- North Country Savings Bank
- MetLife

Admission Requirements:

- Students must be prepared to take Composition & the Spoken Word (ENGL 101).
- Transfer students must have a minimum 2.0 GPA for admittance to the Finance major and meet specific program requirements for admission.

Program Requirements:

riogram kequitements.
(Curriculum 0282)
Semester I Credits ACCT 101Foundations of Financial
Accounting4
ECON 101 Macroeconomics
ENGL 101 Composition & the Spoken Word3
CITA 110 Intro. to Information
Technology3
FYEP 101 First Year Experience1
Mathematics Elective (GER 1)3-4
17-18
Semester II ACCT 102Foundations of Managerial
Accounting
ECON 103 Microeconomics
MATH 141 Statistics
BSAD 200 Business Communications . 3
GER (2,4,7 or 9) <u>3</u>
15 Semester III
BSAD 201 Business Law I
FSMA 210 Introduction to Finance3
GER (2,4,7 or 9)3
General Elective
(GER Recommended)3
Program1 Elective3
15 Semester IV
FSMA 220 Introduction to Investments 3
BSAD 301 Principles of Management . 3
FSMA 312 Financial Management3
GER (2,4,7 or 9)3 GER (2,4,7 or 9)3
GER (2,4,7 or 9)3
Semester V
FSMA/ECON 330 Financial Institution
& Market3
ECON 315 Global Economy (GER 6) . 3
FSMA 315 Global Investments
Program Elective ¹
Program Elective ¹
Semester VI
BSAD 319 Professional Ethics3
BSAD 203 Marketing3
FSMA 415 Global Finance
FSMA 420 Financial Derivatives
Program Elective ¹ <u>3</u>
Semester VII
FSMA 325 Financial Compliance &
Regulation3
FSMA 422 Risk Management3 Program Elective ¹ 3
Program Elective 1
U/L Program Elective ² 3
FSMA 429 Orientation to Culminating
Exp1
15-16
Semester VIII FSMA 480 Finance Internship** OR

6-15

FSMA 460 Senior Project OR

U/L Program Electives¹ 3-<u>15</u>

- 1 Program Electives: Courses in ACCT, AGMT, BSAD, CITA, ECON, ESPT, FSMA, HSMB, LEST and MINS 2 Program Electives: Courses in FSMA
- *Lowest acceptable level: College Algebra or Survey of Math.
- **REMINDER: Pre-req to FSMA 480 or 460 is FSMA 429 (Orientation to Culminating Experience).

Forensic Criminology, B.S.

The four-year, undergraduate Bachelor of Science in Forensic Criminology is an exciting new program which combines a core concentration in criminology with select courses in the forensic sciences. Throughout this program, students explore the complex interplay between theory and practice in the criminal justice system. Applying the scientific method to criminological theory, individuals who complete the program will be prepared to actively investigate the relationship between criminological research and evidencebased practice in the justice system, and will be poised to begin professional work in criminal justice, or for enrollment in graduate work. The program is interdisciplinary, reflecting the wide range of job opportunities in the field, including: law enforcement, corrections, victim services, juvenile justice and forensic behavioral sciences.

The program requires 3 lower-level core requirements in criminology and the social sciences; 6 upper-level core courses in criminology, forensic science, information management, and research methods; 2 courses from the criminology cluster; and 2 courses from the forensics cluster.

Program Objectives

The primary educational objectives of the BS in Forensic Criminology include:

- Exploring a broad range of liberal arts disciplines, and identifying the ways in which these disciplines are interrelated, both in theory and in practical application of theory;
- Demonstrating facility with conventions of academic and professional discourse;
- Analyzing the foundations and evolution of criminological theory;
- Analyzing the foundations and principles of forensic science and criminological practice, including the systems in which these disciplines are found, as well as the prevailing ethical and practical guidelines for practice in these disciplines and systems;
- Identifying systemic issues and problems in contemporary forensic and criminological practice; and
- Applying research and data to current forensic and criminologi-

cal practice to investigate potential mechanisms for evidence-based practice to lead change in emerging justice-system reforms.

Career Opportunities:

- Court positions
- Criminalistics
- Criminal justice researcher
- Research analyst
- Criminal justice policy analystVictim advocacy
- Victim services
- Offender re-entry services
- Rehabilitation services
- Offender programing
- Restorative justice services
- Child protective and social services
- Governmental administration
- Law enforcement, corrections and juvenile justice programming

Admission Requirements:

- Refer to the table of high school course prerequisites for admission.
- Students must be prepared to take College Algebra (MATH 121)
- Students must have a high school average of at least 80.
- Students must be prepared to take ENGL 101 or ENGL 102.
- Transfer students must have a minimum cumulative grade point average of 2.0.

Program Requirements

(Curriculum 2994)

- Semester I Credits ENGL 101Composition and the Spoken Word (GER 10)3

Semester II

Semester IV

MATH 141 Statistics	3
PSYC 275 Abnormal Psychology	3
Other World Civilizations	
(GER 5)	3
Liberal Arts Elective	
(any GER)	3
General Elective	3
	5

1021.310	Causes of Crime		
Semester V			
JUST 426	Ethics in Forensic Science3 Forensics Cluster**3 U/L Liberal Arts Elective3 U/L Liberal Arts Elective3 General Elective3 15		
Semester V			
JUST 302	Information Management in Criminal Justice		
JUST 347	Research Methods Criminology3		
JUST 349	Vulnerable Populations in Criminal Justice		
Semester VIII			
JUST 432	Senior Seminar (Capstone) 3 U/L Program Elective		

Semester V

ILIST 310 Causes of Crime

2

Students in the Criminal Investigation, B.
Tech. program are required to earn a C or
better in all JUST courses taken for credit in
the program.

- * Criminology Cluster JUST 307, JUST 313, JUST 316, JUST 322, JUST 324, JUST 350 or JUST 351
- ** Forensic Cluster JUST 303, JUST 320, JUST 422 or JUST 424
- NOTE: Forensic Criminology students must meet seven of the ten General Education Requirements and successfully complete the SUNY Canton computer competency requirement.

Funeral Services Administration–B.Tech.

The Bachelor of Technology degree in Funeral Services Administration is open to new students, transfer students and funeral directors who have passed the National Board Examination and are licensed. This is the only bachelor's degree in Funeral Services Administration in New York State and one of only a few in the country.

Students In This Major:

- Participate in classes, Practicums, and Internships that provide theoretical education as well as practical training and experience in all phases of the funeral service profession including embalming, funeral directing, funeral customs and traditions, and restorative Art..
- Are eligible to take the National Board Examination required for licensure.
- Experience a learning environment that is rigorous yet supportive and flexible.

- Can concentrate elective courses in their field of interest such as business, coroner preparation, or Human Services.
- · Will be involved in online and on campus courses.

Accreditation:

The Funeral Services Administration program at the State University of New York (SUNY) at Canton, is an accredited program by the American Board of Funeral Service Education (ABFSE), 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097; www.abfse.org; (816)233-3747.

National Board Examination pass rates, graduation rates, and employment rates for this and other ABFSE-accredited programs are available at www. abfse.org. To request a printed copy of this program's pass rates, go to the office of the FSAD program Director, Cook 109 or by email at penepentd@canton.edu, or by telephone 315-386-7170.

Career Opportunities:

- Funeral Director
- Embalmer
- Funeral Home Manager/Owner
- · Pre-need Funeral Counselor in a funeral home or with specialized preneed companies
- · Funeral Service After Care Specialist
- Educator in Funeral Services
- · Cemetery Administration
- Allied Professions such as cemeteries, crematories, morgues, coroners, and medical examiners offices, organ and tissue banks, teaching funeral service, and funeral supply sales such as caskets, vaults, embalming fluids, computer software companies.

B-Tech Completion Program for Licensed Funeral Directors:

Graduates from an accredited ABFSE mortuary science program and who have passed both sections of the National Board Exam are eligible for the B-Tech Completion program. Admissions and graduation requirements apply. Up to 30 credits may be obtained through challenge exams and/or from life experience credits.

Admission Requirements:

- · Students must be eligible for enrollment in Composition and the Spoken Word (ENGL 101).
- · Students must be eligible for enrollment in Intermediate Algebra (MATH 106) or higher.
- · Transfer students must have a minimum 2.0 GPA.
- Blue Card requirements, see website under Program Description.

Program Requirements

5 1
(Curriculum 0152)
Semester I
BIOL 101 Intro to Biology4
PSYC 101 Intro to Psychology**3
ENGL 101 Composition & Spoken
Word3
FSAD 111 Study of Funerals: Past and
Present3
BSAD 100 Intro to Business
$\overline{16}$
Semester II
BSAD 201 Business Law I **3
CITA 110 Intro to Information
Technology**

MATH 111 Survey of Math OR MATH 141 Statistics (Any GER 1)3 English/Humanities Elect (GER 7)3 Social Science Elective3

Semester III	
ACCT 101 Foundations of Financial	
Acct.**	4
SSCI 315 Death, Dying &	
Bereavement**	3
Liberal Arts Elective	
	~
(GER 4,5,6,8)	
General Elective	<u>. 6</u>
	16
Semester IV	
BIOL 207 Human Anatomy**	4
FSAD 115 Thanatochemistry**	2
FSAD 121 Analytical Embalming	
Tech **	3
Tech.** FSAD 129 Clinical Practicum**	o
FSAD 225 Professional Funeral	Z
	~
Practice**	3
Liberal Arts Elective	
(GER 4,5,6,8)	3
	17
Semester V	
FSAD 211 Embalming & Asep. Tech*	** 4
FSAD 214 Funeral Home Mgmt. I**	
General Elective	
U/L Liberal Arts Elective	3

U/L Management, Social Science or Health Elective.3

Science of Fledin Liective, S
16
Semester VI
FSAD 308 Intro to Internship1
FSAD 205 Mortuary Hygiene**3

FSAD 307 Human Response to
Death**4
FSAD 322 Funeral Home Mgmt. II**3
U/L General Elective3
HLTH 303 Occupational Health &
Safety3

Semester VII

FSAD 406 Bereavement Counseling** 3
FSAD 440 Internship7
FSAD 420 Current Issues in Funeral
Services* <u>3</u>
13
Semester VIII

FSAD 323 Restorative Art**......4 FSAD 401 Funeral Service Law**......3 FSAD 321 Advanced Embalming**3 FSAD 321 Advanced Emplance......2 FSAD 445 Mortuary Compliance2

- * Fulfills writing intensive requirement. **Core course: covers topics directly assessed on
- the NBE U/L = Upper Level Courses (300/400)
- GER = General Education Requirement —"C" or better is required in all FSAD courses and core courses. Students must take the National Board Examination to pass Mortuary Compliance (FSAD 445).

NOTE Funeral Services Administration students must meet seven of the ten General Education Requirements and 30 total liberal arts credits.

Student Learning Outcomes can be found at www.canton.edu/sci_health/fsad/outcomes. html.

Game Design & Development-BS

The Bachelor of Science in Game Design and Development is a comprehensive program focusing on the design and development of modern video games. Courses in the Bachelor of Science in Game Design and Development program provide a focus on video game design and development, imaginary storytelling, and production needs of the modern gaming industry, Graduates of the Game Design program will have hands-on skills to pursue a career creating content for everything from home computers and mobile devices, to emerging platforms like cloud gaming.

Students In This Major:

- Students will learn the most recent technologies and programming skills to create video games on multiple platforms and devices.
- They will learn the theories and fundamentals of the game development life cycle, such as prototyping, producing, designing, programming, level creation, art production, and testing.
- Through this program, students will gain a high degree of hands-on experience with the design and development of modern video games.
- They will also receive intensive training in developing and applying an algorithmic approach to problem solving through using structure and object-oriented programming techniques, as well as designing and building gaming databases.
- Throughout the program, students will collect samples of their work and create a professional portfolio used in pursuing a job in gaming and other interactive entertainment industry.

Career Opportunities:

- Game programmers
- · Computer graphics and visualization developers
- Virtual reality and augmented reality software engineer
- Modelers
- Animators
- Digital content producers
- Level designers
- Texture mappers

Career Outlook

Employment of gaming software developer, computer graphics and

virtual reality engineer, multimedia artists and animators, is projected to grow 6 percent from 2014 to 2024. Projected growth will be due to increased demand for animation and visual effects in video games, movies, and television, according to the U.S. Department of Labor Bureau of Labor Statistics. The median pay scale for these positions was \$63,970 per year.

Admission Requirements:

- Refer to the table of high school course prerequisites for admission.
- Students must be prepared to take ENGL 101 Composition and the Spoken Word.
- Transfers cannot be admitted until Fall 2019.
- · Transfer students must have completed a college level English course.
- Transfer students to this program must have a 2.0 GPA for admission.
- · Transfer students from other institutions and majors have to complete certain bridge courses that could extend their graduation rate.

Program Requirements:

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(Curriculum 2638)
Semester I Credits
CITA 152 Computer Logic
ENGL 101Composition and the
ENGL TO Composition and the
Spoken Word (GER 10) 3
GAME 110 Fundamentals of Game
Design3
GMMD 101 Intro to Media Studies 3
MATH Elective
FYEP 101 First Year Experience1
16
Semester II Credits
CITA 180 Intro to Programming4
ENGL 202Creative Non-Fiction
GAME 130 Game Design and
Prototyping3
SOCI 101 Intro to Sociology3
MATH 121 College Algebra (GER1)4
$\frac{1}{17}$
Semester III Credits
CITA 215 Database Apps and
Concepts3
ENGL 221 Creative Writing
GAME 210 Object-Oriented Design for
Game Development3
Elective (GEP 3 4 5 6 8 9) 3
Elective (GER 3, 4, 5, 6, 8, 9)3 Elective (GER 3, 4, 5, 6, 8, 9)3
Elective (GER 3, 4, 5, 6, 8, 9) $\dots \dots \dots$
15
Semester IV Credits
GAME 230 3D Modeling and
Texturing3
GAME 240 3D Graphics for Game
Development3
GAME 250 Game Mechanics and
Dynamics3
Elective (GER 3, 4, 5, 6, 8, 9)3 Elective (GER 3, 4, 5, 6, 8, 9)3
Elective (GER 3, 4, 5, 6, 8, 9) 3
15
Semester V Credits
CITA 342 Visual Programming3
ENGL 301 Professional Writing3
GAME 350 Aesthetics and Immersion. 3
Liberal Arts Elective3
U/L Liberal Arts Elective3
15
Semester VI Credits
CITA 204 System Analysis Design3
ENGL 315Short Fiction: The Art of the
T.I. O

Tale.....3

GAME 370 Digital Media and
Interaction3
GMMD 432 Virtual Worlds3
U/L Liberal Arts Elective 3
15
Semester VII Credits
GAME 390 GAME Capstone I1
GAME 450 Mobile Game
Development3
GMMD 420 Animation Techniques 3
SOCI 250 Sociology of Mass Media3
U/L Liberal Arts Elective
U/L Liberal Arts Elective3
$\overline{16}$
Semester VIII Credits
GAME 470 Emerging Gaming
Applications3
GAME 490 GAME Capstone II3
GMMD 330 Web Design &
Development3
U/L Liberal Arts Elective3
U/L Liberal Arts Elective3
15
* Fulfills writing intensive requirement.
UL = Upper Level Courses (300/400)
GER = General Education Requirement

Graphic and Multimedia Design-BS

The Bachelor of Technology in Graphic and Multimedia Design (GMMD) is a fast paced technology and culture driven major for creative students interested in pursuing a fouryear degree. Students can also expect to learn about mobile and social media, and other new forms of communication.

Students In This Major:

- Create and design original works using graphics, video, photography, sound, and animation.
- Develop communications skills, management skills, and analytical skills
- · Learn design theory and interact with the latest multimedia authoring software.
- · Design and launch their own multimedia project individually, as part of a team, and/or complete an internship within the media field.

Career Opportunities:

- Graphic designer
- Web designer
- · Advertising specialist
- · Public Relations specialist
- · Video/Sound/or Video Game designer
- Journalist

Potential Employers

- Web Design Firms
- · Advertising Firms
- Government
- Education
- News Agencies
- Other (design departments)

Admission Requirements:

- Prepared to take Expository Writing (ENGL 101) -NYS English Regents score > 75;
- or
- -Verbal SAT score > 420; or
- -Reading and Writing ACT scores > 17; or
- -Transfer student who has already passed a college level English course.
- Transfer students from other institutions and majors may have to complete certain bridge courses that could extend their graduation date.

Program Requirements: (Curriculum 2026) Semester I

GMMD 101 Intro to Media Studies 3
ARTS 101 Intro to Drawing OR
SOET 116 Introduction to Computer
Aided Drafting and
Design3
CITA 152 Computer Logic
ENGL 101Composition and the
Spoken Word3
SOCI 101 Introduction to Sociology3
15

Credits

Semester II

GMMD 102 Intro to Design OR GMMD 103 Intro to Digital Design Software
CITA 180 Intro to Programming OR
GMMD 121 Programming for Visual Arts & Design OR
GMMD 111 Digital Video Editing3 Writing Elective3
HUMA 189 Acting and Improvisation OR
SPCH 104 Introduction to Speech3 MATH 111 Survey of Mathematics3 OR
MATH 121 College Algebra4 15-16
Semester III
GMMD 200 Digital Photography3 ARTS 201 Art History BCE to 16th Century **3
ENGL Writing Elective
GER Elective
(GER 4, 5, 6 or 9)3 Natural Science (GER 2 <u>).3-4</u> 15-16
1910
Semester IV
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media OR GMMD 317 Culture and
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media OR GMMD 317 Culture and Communication3 ARTS 202 Art History 16th-20th
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media OR GMMD 317 Culture and Communication3 ARTS 202 Art History 16th-20th Centuries3 GMMD 301 3-D Desian OR
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media OR GMMD 317 Culture and Communication3 ARTS 202 Art History 16th-20th Centuries3 GMMD 301 3-D Desian OR
Semester IV GMMD 211 Film Analysis3 SOCI 250 Sociology of Mass Media OR GMMD 317 Culture and Communication3 ARTS 202 Art History 16th-20th Centuries
Semester IV GMMD 211 Film Analysis

GMMD 302 Professional Photography3

GMMD 330 Web Design and
Development OR
GMMD 311 Video Effects & Post-
Production3
GMMD 331 Digital Illustration and
Typography3
ENGL 301 Professional Writing
Upper Level General
Elective
Élective <u>3</u>
Semester VII
GMMD 401 Multimedia Product
Design
GMMD 408.Portfolio Development and
Media Strategies3
Upper Level GMMD* Production
Elective3
Upper Level GMMD* Production
Elective3
GMMD 440 Senior Project Proposal/
Internship Orientation 1
Upper Level Liberal Arts Elective3
$\overline{16}$
Semester VIII
GMMD 432* Virtual Worlds OR
Upper Level ARTS* OR
Upper Level GMMD*
Production Elective
GMMD 444 Multimedia Product
Design 24
GMMD 443 Arts Management
Internship OR
Upper Level Elective3-4
Upper Level Elective3
13-14
*Program Electivet
**Writing Intensive Course

****Writing Intensive Course** *U/L* = *Upper Level Courses (300/400)* GER = General Education Requirement Student Learning Outcomes can be found at www.canton.edu/csoet/gmmd/ gmmd/html.

Health & Fitness Promotion-B.Tech.

The fitness industry continues to grow as the benefits of good health and exercise become more evident in our society. Fitness is no longer reserved for the elite athlete, but is important for all of society as a means of disease prevention and longevity. Students who complete the bachelor program in Health and Fitness Promotion may pursue employment in settings that promote health and wellness including fitness centers, corporate fitness facilities, as personal trainers, as strength and conditioning coaches with athletic teams, community health, and health organizations. Once enrolled in the program, students have three tracks to choose from to best meet their career goals: science, business, or physical therapy assistant.

The science track is designed for students who plan on pursuing graduate level studies in physical therapy, occupational therapy, chiropractic, athletic training, or physician's assistant. If a student is interested in physician's assistant, they may also be required to take additional science and math course work that may not be included in this program, such as organic chemistry,

microbiology, genetics, and calculus. This is best discussed with the student's advisor.

The business track is designed for students who are interested in handling the day-to-day business operations of a fitness facility in addition to their personal trainer or strength and conditioning duties. These students are more interested in helping run a facility or perhaps owning their own business or facility. The business track will provide students with fundamental courses in business and management which should serve to prepare them for business ownership or positions of management in the field.

The physical therapy assistant track is designed for students who have already obtained a two-year PTA degree and wish to complement their physical therapist assistant training with further knowledge in exercise and fitness, or who wish to pursue a Doctor of Physical Therapy Degree after obtaining their bachelor's in Health and Fitness Promotion.

All tracks provide students with a core foundation in health promotion and fitness. Students will be able to choose from specialized electives with an emphasis on exercise and sports. Students also have the opportunity to pursue an internship in an area of their interest.

Career Opportunities:

• Graduates of the program may pursue employment in settings that promote health and wellness including fitness centers, corporate fitness facilities, as personal trainers, as strength and conditioning coaches with athletic teams, and community and health organizations.

Graduate Study Opportunities:

- Doctor of Physical Therapy (DPT) programs
- Doctor of Chiropractic (DC)
- Master of Science in Occupational Safety and Health
- · Master of Science in Physician Assistants Studies
- Master of Science in Occupational Therapy
- · Occupational Therapy Doctorate (OTD)
- · Master of Science in Kinesiology · Master of Science in Exercise Science
- Master of Science in Community Health
- Master of Science in Therapeutic Recreation
- · Master of Science in Athletic Training
- · Master of Science in Human Performance

Admission Requirements:

• Students must have prerequisites to enroll in a GER Math course and ENGL 101.

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Program Requirements: (Curriculum 2254) Semester I HEFI/HLTH/PHTA/BSAD Program Elective......3 BIOL 217 Anatomy & Physiology I 4 ENGL 101 Composition & Spoken Word3 PSYCH 101 Intro. to Psychology......3 GER/Liberal Arts 16 Semester II HEFI/HLTH/PHTA/BSAD Program Elective......3 BIOL 218 Anatomy & Physiology II 4 **GER/Liberal** Arts Elective(4,5,6,7,9)......3 GER/Liberal Arts Elective(4,5,6,7,9).....<u>....3</u> 16-17 Semester III **Program Elective** (HEFI/HLTH/PHTA/BSAD) .3 PSYC 225 Human Development3 ACCT 101Founds. of Financial Accounting OR PHYS 121 & 125 Or College Physics I & Lab......4 GER/Liberal Arts Elective (1-9).....3 GER/Liberal Arts Elective (1-9).....<u>3</u> 16 Semester IV HEFI/HLTH/PHTA/BSAD Program Elective......3 HEFI 203 Motor Development OR PHTA 103 Neuromuscular Pathologies3-4 PHTA 102 Kinesiology OR HEFI 300 Biomechanics3 BSAD 201 Business Law I OR PHYS 122 & 126 College Physics II & Lab.....3-4 GER Elective (1-9) U/L if needed3 15-17 Semester V HEFI 303 Exercise Physiology......3 CHEM 150 College Chemistry I OR BSAD 301 Principles of Mgmt.3-4 General Elective......3 General Elective U/L if needed3 15-16 Semester VI CHEM 155 College Chemistry II OR SPMT 306 Sports Operations &

Facilities Management ... 3-4 HEFI 401 Fitness Assessment and Exercise Prescription4

HEFI 375 Fitness and Sports Nutrition3 HEFI 405 Current Issues in Health & .3 Fitness (WI)** General Elective U/L if

- needed3 16-17 Semester VII
- HEFI 402 Strength and Conditioning.3 HEFI 406 Orientation to Culminating
- Exp.1 HEFI 404 Organization and
 - Administration in Health and Fitness Professions 3
 - U/L Program Elective......3
 - U/L Program Elective......3 12

Semester VIII

HEFI 407 Health & Fitness Internship AND/OR U/L Program Electives 12-15 12-15

* Students who wish to pursue the science track or are planning to pursue a DPT or wish to take Physics must take College Algebra (Math 121) for their required GER math.

** Fulfills writing intensive requirement. U/L = Upper Level Courses (300/400)

GER = General Education Requirement Program Electives: HEFI 310 Advanced Care and Prevention of Athletic Injuries, PSYC 320 Psychology of Health, HLTH 303 Occupational Health & Safety, SSCI 370 Research Methods in the Social Sciences, HEFI 403 Community Wellness, HEFI 408 Exercise Prescription for Special Populations , HEFI 409 Applied Exercise Prescription, HEFI 410 Applied Strength & Conditioning. SPMT 330 Psychology of Sport and Exercise

NOTE: Health & Fitness Promotion students must take seven out of ten General Education Requirements including one and ten, and 30 total General Education credits.

Student Learning Outcomes can be found at www.canton.edu/sci_health/hefi/.

Health Care Management-B.S.

Health Care Management is a Bachelor of Science degree, which includes study in health, science, business and management. Students will be prepared to enter public and private service jobs with theoretical and practical skills necessary for a challenging lifelong career in an ever changing technological society.

Students In This Major:

- May start as a freshman or transfer credits from another discipline for advanced standing in the major.
- May take asynchronous online courses and thus attendance in Canton will not be necessary.
- Will have internship possibilities in the last semester of study.
- Will have a diverse background in health sciences, health care management and business management upon completion of the program.

Career Opportunities:

- Upward mobility in management of allied health fields
- Public and private health service careers
- Long-term care administration
- Research in public health on county, state and federal levels
- · Business sector jobs in administration within industry, education, government as well as health care

Admission Requirements:

• Students must be prepared to take Composition & the Spoken Word (ENGL 101).

· Transfer students must have a minimum GPA of 2.0.

Program Requirements:

- All students will complete a minimum of 125 credits, maintaining a GPA of 2.0.
- In order to advance to junior level status students will complete 60 credits, maintaining a GPA of 2.0.
- · Course work from certificate and associate degree programs may be accepted to permit advanced standing.
- In order to maintain junior and senior level status and to advance to the final semester, all students must maintain a GPA of 2.0.
- In order to advance to the final semester and begin an internship, all students must obtain a passing grade in Health Services Management Internship Orientation (HSMB 308).
- In order to graduate, all students must successfully complete an Internship (HSMB 408) and/or an Internship Alternative and Senior Seminar (HSMB 410).

(Curriculum 0253) Semester I

HSMB 101 Intro. to Health Care Mgmt......3 ENGL 101 Basic Communication (GER 10).....3 Liberal Arts and Science PSYC 101 Introduction to Psychology.3 FYEP 101 First Year Experience......1 16

Semester II E

Semester II
ECON 103 Microeconomics3
BSAD 201 Business Law I3
SOCI 101 Introduction to Sociology 3
GER (4, 5, 6, 7, 8, or 9)3
MATH 141 Statistics
CITA 101 Library/Information
Literacy <u>1</u> 16
Semester III
ACCT 101Foundations of Financial
Acct4
CITA 108 Intro. to Spreadsheets1
Science Elective (GER 2)3-4
HLTH 200 Medical Terminology of
Disease OR
HSMB 200 Terminology and Coding3
Liberal Arts and Sciences
Elective 2
Elective3 14-15
Semester IV
HSMB 304 U.S. Health Care System3
FSMA 210 Introduction to Finance3

5 ENGL 301**...Professional Writing and

Semester V

HSMB 301 Public Health Issues3 HSMB 306 Health Care Financing 3 Liberal Arts and Sciences Elective......3

Liberal Arts and Sciences Elective......3

U/L Liberal Arts and Sciences Elective

15

Semester VI
HSMB 305 Managed Care3
ECON 310 Economics of Healthcare3
HSMB 307 Health Care Facility
Admin3
Liberal Arts and Sciences
Elective
Liberal Arts and Sciences
Elective3
15
Semester VII
HSMB 308 HSM Internship
Orientation1
BSAD 340 Mgmt. Communications*3
Liberal Arts and Sciences
Electives3
HSMB 302** Legal and Ethical Issues
in Health.*
HSMB 310 Quality and Patient Safety 3
U/L Liberal Arts and
Sciences Elective <u>3</u>
16
Semester VIII
HSMB 410 Senior Seminar
HSMB 408 Internship (3-12) AND/OR
Up to 4
program electives for total
of 12 credits
U/L program elective3
U/L program elective3
General Elective3
General Elective <u>3</u>
15

Total Credits: 122-124

Credits

Program Eelctives: ACCT, BIOL, BSAD, CHEM, CITA, select PSYC courses, DHYG, ECON, FSAD, FSMA, HEFI, HLTH, HSMB, LEST, MINS, NURS, PHTA, VSCT, VSAD. Program must meet 7 of 10 General Education Requirements (including 1,2,3 & 10) and 30 total GER credits.

*Students must meet the pre-requisite for MATH 141 Statistics

**Writing Intensive

Homeland Security-B.Tech.

The Homeland Security program provides students with a combination of theory and practical skills in the subject area as well as offering a solid grounding in the broader justice system. As a result, students will understand the importance of the impact of technology, human resources and other organizational constraints on homeland security strategies confronting both the public and private sector.

Students In This Major:

- · Receive advanced training in identifying, protecting and responding to threats in both the public and the private sectors in the post-USA PATRIOT Act society.
- Are familiarized with immigration law and issues related to civil liberties while involved in intelligence operations.
- · Receive the same certification in the Incident Command System/National Incident Management System as our nation's first responders.
- · Individualize their final semester by either completing an internship with

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a criminal justice agency or completing five upper level criminal justice courses.

Career Opportunities:

- FBI
- U.S. Border Patrol
- U.S. Coast Guard
- U.S. Department of Homeland Security's Immigration and Customs Enforcement (ICE)
- U.S. Drug Enforcement Administration
- U.S. Marshal's Service
- U.S. Secret Service
- · International Criminal Police Organization (Interpol)
- Transportation Security Administration
- Criminal & Intelligence Analysis
- Private Sector Security/Domestic Infrastructure Security

Admission Requirements:

- · Students must be prepared to take Intermediate Algebra (MATH 106).
- Students must be prepared to take Composition and the Spoken Word (ENGL 101).
- Transfer students must have a minimum cumulative grade point average of 2.0 or above.

Recommended preparatory courses or their equivalents are:

JUST 101 Intro	duction to Criminal
Just	ice
JUST 105 Corr	ectional Philosophy
JUST 110 Crim	inal Law
JUST 111 Crim	inal Procedure
JUST 209 Law	Enforcement
Cor	nmunications OR
BSA	D 200, Business
Cor	nmunications
MATH 111 Sur	vey of Mathematics (
MATH 121 Col	lege Algebra

Program Requirements

0 1
(Curriculum 2335):
Semester I Credits
JUST 101 Introduction to Criminal
Justice3
ENGL 101Composition and the
Spoken Word3
MATH 111 or Higher3
PSYC 101 Introduction to Psychology.3
CITA 110 Intro to Information
Technology3
15
Semester II

JUST 230	Fundamentals of Homeland
	Security3
JUST 112	Criminal Law and
	Procedure3
SOCI 101	Introduction to Sociology 3
	Natural Science w/ Lab
	(GER 2)4
	Humanities Elective
	(GER 7) <u>3</u>
	16
Semester II	I

JUST 201 Critical Issues in Criminal

	Justice **	3
JUST 232	Intelligence Analysis	3
	Liberal Arts Elective	
	(GER 5,6,7,8,9)	3

American History Elective	
(GER 4)	
General Elective3	
15	

Semester IV

JUST 233	Crime Analysis	3
	General Elective	
	General Elective	3
	Liberal Arts Elective	
	(Any GER)	3
	Liberal Arts Elective	
	(Any GER)	3
		15
Semester V		

JUST 326 Threats to Homeland

Security3		
JUST 375 Global Terrorism: 20th		
Century to Present3		
JUST 380 Civil Liberties & Homeland		
Security3		
General Elective3		
General Elective3		
15		
Semester VI		

JUST 314 E	thics in Criminal Justice3
LEST 375 Ir	mmigration Law & Border
	Control3
JUST 355 P	Public Safety Incident
	Response3
U	J/L Program Elective3
G	General Elective3
	15

Semester VII JUST 415 Emerging Issues in

	Homeland Security3
JUST 425	Intelligence Research &
	Analysis3
JUST 429	Intro. to Culminating
	Experience1
	UL Program Elective3
	General Elective3
	General Elective3
	$\overline{16}$

Semester VIII

OR

- JUST 430 Culminating Experience in Criminal Justice OR (5) U/L Program Electives15
- * MATH 111 or higher is required NOTE: If you are enrolling in a course that is a pre-requisite for a required course in your program, your TAP eligibility may be affected.
- ** Writing intensive course.
- 1. UL Program Electives are selected from JUST or LEST (300-400) level courses
- 2. This course is only required for students intending to take JUST 430, Culminating Experience, in the 8th semester Student Learning Outcomes can be

found at www.canton.edu/sci health/ home/.

Industrial Technology Management-B.Tech.

The Industrial Technology Management (ITM) curriculum provides students with the opportunity to blend technical interests with management and leadership aspirations. This academic program is ideal for students seeking to build upon a background in engineering technology (e.g. electrical, mechanical, civil, or construction) with an emphasis on developing abilities for project management, systems thinking, managerial skills, entrepreneurship, and business development.

Students In This Major:

- · Have a specialization in an engineering discipline.
- · Are able to plan and manage technical projects.
- · Are prepared to contribute to business development activities such as product development, operational support, technical marketing, and production management.
- Develop skills to function in and lead a team based effort.
- Are able to communicate in an organized manner through technical reports in written, oral, and other formats appropriate to their careers.

Career Opportunities:

Employment opportunities are broad and span the range of industry and commerce. Opportunities in this market include:

- · Manufacturing and quality control
- Operations management
- Logistics
- · Field managers
- · Planning and scheduling
- · Project engineers or managers

Admission Requirements:

Incoming students will meet all general admission requirements as freshmen to SUNY Canton and be prepared to take College Algebra (MATH 121). Transfer students will be evaluated individually by the program academic advisor and must have a minimum GPA of 2.0.

Program Requirements:

(Curriculum 0935) Credits Semester I ENGL 101 Composition and Spoken Word3 Physics, Chemistry OR Mathematics Elective^{4,5}.....4 Program Elective3 Program Elective3 Program Elective3 Semester II ACCT 101 Foundations of Financial

Accounting OR ACCT 104Survey of Accounting4 Physics, Chemistry OR Mathematics Elective^{4,5}.....4 Program Elective3 Program Elective3 Program Elective3 17

Semester III F

ECON 103 Microeconomics OR	
ECON 101 Macroeconomics	3
MATH 141 Statistics	3
Program Elective	3
Program Elective	3
GER (4, 5, 6, 7, 8, 9).	3
	15

Semester IV	
BSAD 201 Business Law I	3
Math Elective ⁴	4
Program Elective	3
GER (4, 5, 6, 7, 8, 9)	3
GER (4, 5, 6, 7, 8, 9)	3
	16

Semester V BSAD 340 Management Communications*3 SOET 361 Project Management3 U/L Program Elective3 Program Elective3
Program Elective3 15 Semester VI BSAD 301 Principles of Management . 3
SOET 370 Engineering Economics3 Program Elective
Semester VII BSAD 449 Strategic Policies & Issues3 SOET 377 Engineering Ethics1 SOET 430 Systems Analysis3 U/L Program Elective3 U/L Program Elective3 U/L Liberal Arts/Science3 16
Semester VIII SOET 348 Engineering Safety
* Fulfills writing intensive requirement. L/L = Upper Level Courses (100/200). U/L = Upper Level Courses (300/400).

- GER = General Education Requirement.
- Program Electives: Any course from the Canino School of Engineering Technology, or the Business Department.
- 1 All Program Elective courses presented for graduation must have at least a grade of "C" (or transfer credit).
- Students in this program must take at least 45 upper division credits (course numbers 300/400) and a minimum of 30 Liberal Arts credits
- 2 NOTE: Industrial Technology Management students must meet seven of the ten General Education Requirements . Three of the GERs (GER 1, 3, and 10) are met with existing curriculum course requirements. The remaining four GERs must be met by selecting one course each in four of the following seven areas: Natural Sciences (GER 2) American History (GER 4); Western Civilization (GER 5); Other World Cultures (GER 6); Humanities (GER 7); The Arts (GER 8); Foreign Language (GER 9).
- 3 A business elective (U/L) is an elective from business school upper division courses.
- 4 Minimum mathematics requirement is MATH 121 College Algebra or MATH 123 Pre-Calculus Algebra, or equivalent.
- 5 Physics or Chemistry Electives can be chosen from any course in PHYS or CHEM
- Student Learning Outcomes can be found at www.canton.edu/csoet/itm/.

Information Technology-B.Tech.

The Information Technology (IT) curriculum introduces the student to computer systems, networks, and communications. This academic program is appropriate for students seeking careers in information technology including network administration, operations, systems design, troubleshooting and management. Students have the opportunity to learn systems analysis and design, information management, security implementation, web administration and commerce, and programming.

Students In This Major:

- Develop management skills, communication skills, and other skills in order to meet their challenging career.
- Are taught by qualified faculty in small classes.
- Gain hands-on experience on computer hardware, networking, database management, web development, security implementation, and IT applications.
- Will complete a Capstone Project and may take an internship.

Career Opportunities:

- System Analyst
- IT Consultant
- Network Administrator
- Database Manager
- Web Master
- IT Security Specialist
- IT Position in any industry

Potential Employers:

- IT Companies
- Health Management Services
- Financial Services
- Government
- Education
- Military
- IT Departments in any industry

Admission Requirements:

- Students must be qualified to enter at least College Algebra (MATH 121) and Oral and Written Expression (ENGL 102).
- Chemistry or Physics courses are recommended.
- Computer or technology courses are strongly recommended.
- Transfers into this program must have a 2.0 GPA for admission. Students from other institutions and majors may have to complete certain bridge courses that could extend their graduation date.

Students who do not meet necessary prerequisites may be admitted to the College. However, completing the program may require more than four years.

Program Requirements: *

Mathematics Elective¹3

Semester II

CITA 170 Comp. Concepts & Oper.
Sys3
CITA 175 Comp. Concepts & Oper.
Sys Lab1
CITA 171 Oper. Sys. Use &
Administration3
MATH 141 Statistics
GER Course3
GER Course3
$\overline{16}$
Semester III

CITA 180 Introduction to

Programming	4
CITA 215 Database Apps &	
Concepts	
CITA 220 Data Comm & Netwo	ork
Tech	3
CITA 221 Data Comm & Netwo	ork
Tech Lab	1
ECON 101 Macroeconomics O	R
ECON 103 Microeconomics	3
GER Course	3
	17

Semester IV

CITA 204	Systems Analysis and
	Design ² 3
CITA 250	Information Security3
	GER Course
	GER Course3
	GER Course3
	15
Semester V	
BSAD 301	Principles of Management .3
CITA 300	Management Information
	Sys
CITA 310	Web Server Administration.3
SOET 361	Project Management3
	Accounting ³
	J 15

Semester VI

CITA 330	Emerging IT Applications3
CITA 400	Quantitative Approaches to
	Mgmt3
SOET 370	Engineering Economics3
	Program Electives ⁴ 3
	Program Electives ⁴ 3
	UD Program Elective ⁴ 3
	$\overline{18}$

Semester VII

CITA 440	Network Management3
CITA 441	Network Management Lab 1
	Program Elective ⁴ 3
	UD Program Elective ⁴ 3
	UD Liberal Arts/Science3
	General Elective3

15

Semester VIII

CITA 460 IT & Networked Economy 3
SOET 477 Capstone Project3
CITA 480 Internship in IT OR
2–Program Electives ⁴ 6
12

UD = Upper Division Course (300/400)

- GER = General Education Requirement Students in this program must take at least 45 upper division credits (course numbers 300/400) and a minimum
- of 30 Liberal Arts credits. Seven of ten SUNY General Education Requirement academic areas (including mathematics and basic communication) and 30 credits of SUNY General Education courses must be completed within the first two years of full-time study of the program.
- 1 Minimum mathematics requirement is MATH 121 College Algebra.
- 2 Fulfills writing intensive requirement.
- 3 ACCT 101 Financial Accounting or ACCT 104 Survey of Accounting recommended.

- 4 Program Electives are courses from within the Canino SOET and the Business Department.
- Student Learning Outcomes can be found at

www.canton.edu/csoet/it/.

Additional Graduation Requirements

Students must take at least four upper level CITA courses and SOET 477 (Capstone Project) from SUNY Canton. Each required CITA course used to meet graduation requirements must have a grade of C or higher or transfer credit. No more than 3 CITA credits with a course number below CITA 150 may be used for credit towards graduation.

Legal Studies-BS

According to the U.S. Department of Labor Bureau of Labor Statistics, "The legal system affects nearly every aspect of our society, from buying a home to crossing the street." Such a profound impact suggests that there are a variety of opportunities for individuals with an education in Legal Studies. The Department of Labor states that employers prefer graduates of postsecondary education programs. A graduate of SUNY Canton's Legal Studies program may find employment in law firms, corporations, hospitals, and local, state or federal government offices. Since the program covers many legal specialties, students may choose electives that may help them to specialize in one or more areas.

Students In This Major:

- Spend a significant amount of time engaging in legal research, analysis, and writing.
- Learn from faculty who bring a wealth of real world legal experience to the classroom.
- May take elective courses in Accounting, Business, Criminal Justice, and Liberal Arts & Sciences to receive an interdisciplinary education.
- Can choose as many online program components as needed for maximum flexibility.
- Can choose to engage in a semesterlong internship as a culminating experience.

Career and Graduate Education Opportunities

- Law school or other graduate programs
- Paralegals or legal assistants in law firms.
- Specialists in Real Estate and mortgage document preparation.
- Professionals in District Attorney, Sheriff, Probation, Legal Aid, and Public Defender Offices
- Freelance work as legal professionals.

Career Outlook

• Jobs for graduates in Legal Studies are projected to grow by 12 percent (much faster than average) from 2018 to 2028 and experienced, formally trained paralegals should have the best job prospects according to the U.S. Department of Labor Bureau of Labor Statistics.

Admission Requirements:

- Students must be prepared to take Composition & the Spoken Word (ENGL 101).
- Transfer students must have a cumulative grade point average of 2.0 for admission to the Legal studies major and meet specific program requirements to be considered for admission.

Program Requirements

(Curricului	m 0818)
Semester I	Credits
LEST 101	American Legal System3
	MATH Elective (GER1)3
	American History Elective
ENICE 101	(GER 4)3 Composition & Spoken
LINGE TOT	Word3
	Social Science Elective
	(GER 3)3
FYEP 101	First Year Experience1
	16
Semester II	
ACCT 101	Foundations of Financial
	Accounting4
BSAD 201	Business Law I3
	Liberal Arts Elective
	(GER 8)
	Liberal Arts & Sciences Electives
CITA 101	Library/Info Literacy <u>1</u>
CHIXTOT	17
Semester II	I
BSAD 202	Business Law II3
LEST 221	Criminal Practice3
	Science Elective (GER 2)3-4
	West. Civilization Elec.
	(GER 5)3
	Foreign Language (GER 9).4
Semester IV	
FST 310	, Legal Research3
ENGL 301	Professional Writing & Com. 3
	Other World Civilization
	(GER 6)
	Humanities Elective
	(GER 7)
	Upper Level Legal Studies
	Elective
Sama and a V	15
Semester V LEST 340	Constitutional Law3
LEST 340	Legal Writing**
LEST 350	Legal Writing**3 Civil Litigation3
	Liberal Arts & Sciences
	Electives6
	15
Semester V	I
BSAD 319	Professional Ethics3 Advanced Legal Writing **.3
LESI 449	Advanced Legal Writing **.3
	Liberal Arts & Sciences Electives
	(II/I Recommended) 9
	Electives (U/L Recommended)9 15
Semester V	
	Internship Orientation
/16 + - 1 *	

(If taking LEST 480 in 8th semester)1

	Upper Level Legal Studies Electives
Semester V	
LEST 480	Legal Studies Internship 3-15 OR
LEST 485	Senior Project3-15 AND/OR
	U/L Program Electives3-15 15
Total Credi	ts for Degree 124-127
** Writing	Intensive Course
U/L = Upp	er Level Courses (300/400)
GER = Gen	ieral Education Requirement
LEST 3	Studies Electives: LEST 320, 60, LEST 370, LEST 375, LEST IST 388, LEST 410, and LEST
U/L Progra	m Electives: LEST 320, LEST
	ST 370, LEST 375, LEST 380,
LEST 3	88, LEST 410, LEST 450, BSAD
301, BS	AD 305, BSAD 310, EADM
307, HS JUST 3.	SMB/NURS 302, JUST 345, and 50.
NOTE: Leg	al Studies students must meet all
6	, eral Education Requirements.
	arning Outcomes can be found at

Management-BBA

The Bachelor of Business Administration in Management provides a solid foundation in current management theory and practice. Students are introduced to the principles of accounting, finance, marketing, strategy, operations, human resources, economics, ethics, and communications. Case studies, internships and real world applications in corporate, non-profit, and government settings are integral parts of this exciting four-year program.

Students In This Major:

- Are educated in all of the functional managerial areas.
- Use cutting-edge case studies to hone analytical skills.
- Are encouraged to pursue a minor for additional skill sets.

Career Opportunities:

Graduates plan, organize, and control organizational resources to enhance value to stockholders and stakeholders of the organization. Graduates assume entry managerial roles in:

- Retail organizations
- Non-profit organizations
- Government organizations
- Manufacturing organizations

Admission Requirements:

- Students must be prepared to take Composition & the Spoken Word (ENGL 101) and GER 1 Math.
- Transfer students must have a cumulative GPA of 2.0 to be admitted into the program.

Program Requirements:

riogram noqui onionio.
(Curriculum 1645)
Semester I Credits
FYEP 100 First Year Experience1
BSAD 100 Intro. to Business3
CITA 110 Intro. to Information
Technology3
ENGL 101 Composition & the Spoken
Word3
MATH GER 1
Western Civilization (GER 5)3
16-17
Semester II
ACCT 101Foundations of Financial

Accounting4 BSAD 203 Marketing3 ECON 101 Macroeconomics (GER 3) .3 American History (GER 4) ..3 Humanities (GER 7)3 16

Semester III

BSAD 201 Business Law I	3
ACCT 102Foundations of Managerial	
Accounting	3
ECON 103 Microeconomics	3
Arts Elective (GER 8)	3
L/L Elective (BSAD/ÉCON/	
ACCT/SPMT)	3
1	5
Semester IV	
BSAD 202 Business Law II	3
FSMA 210 Introduction to Finance	3
MATH 141 Statistics	3
Foreign Language (GER9)	

Other World (GER 6).......3 Business Elective (LL)3

Semester V

Semester v
BSAD 301 Principles of Management.3
BSAD 310 Human Resource
Management3
BSAD 373 International Business
Management3
U/L Elective (BSAD/ECON/
ACCT/MINS/SPMT)3
Business Elective
(Upper Level) <u>3</u> 15
Semester VI
BSAD 319 Professional Ethics*3
BSAD 340 Management
Communications3
ECON 314 Managerial Economics3
General Elective3
Business Elective
(Upper Level)3
(Upper Level) <u>3</u>
Semester VII
BSAD 400 Operations Management 3
BSAD 449 Strategic Policies and
Issues
General Elective
U/L General Elective3
U/L Elective (BSAD/ECON/

Semester VIII

B

В

R

SAD 406	Cumulative Evaluatio	n-BBA
	in Management	3
SAD 450	** Business Internship	AND/
	OR	6-12
SAD 410	Senior Project	6-12
	AND/OR	
	U/L Program Elective	3-12
		15

L/L = Lower Level Courses (100/200)

- U/L = Upper Level Courses (300/400)
- GER = General Education Requirement * Fulfills writing intensive requirement.
- **3.0 GPA required to enroll in BSAD 450 Business Internship

Program Electives: ACCT, AGMT 310, AGMT 330, BSAD, ECON, FSMA, LEST, GMMD, HSMB, SPMT, and CITA NOTE: Management students must meet eight

of the ten General Education Requirements. Student Learning Outcomes can be found at www.canton.edu/business/bsad/.

Mechanical Engineering Technology–B.Tech.

Graduates of the Bachelor of Mechanical Engineering Technology (B. Tech) program have knowledge on the applied aspects of science and engineering technology that demonstrate skills in analysis, design, development, implementation, and oversight of mechanical systems. Graduates will exhibit skills necessary to be successful in industrial manufacturing processes, experimental tech-niques and procedures, machinery, thermal/fluid/energy systems, instrumentation and control systems, heating, ventilation and air conditioning (HVAC) systems, and Alternative Energy Systems dependent upon elective choices. Graduates will be successful tech-nologists, field technologists, technical managers, process and sales engineers and will be prepared academically to enter and succeed in related postgraduate degree programs.

Students In This Major:

- Choose from four tracks of study: (Alternative & Renewable Energy, Mechanical Energy Systems Design, Manufacturing/Mechanical Design, Mechatronics and Robust Quality)
- Apply mathematics, science, engineering and technology to design systems, components and/or processes.
- Utilize sophisticated laboratory equipment to conduct, analyze and Interpret experimental data and report results for process improvement.
- Apply computer skills to design, interpret and analyze data, solve problems and prepare reports/presentations for professional communications.
- Develop team skills through hands projects that require a commitment to quality, timeliness, and continuous improvement while maintaining professional, ethical and social responsibilities.
- Gain real world experience through internship/Co-Op opportunities and project-based learning.

Career Opportunities:

 Aerospace, Automation & Controls, Automotive Industry, Composite Materials Production, CIM, Electronics Manufacturing, Construction and Fabrication, Machining & Metalworking, Manufacturing (electronics, mechanical, defense, energy, Medical Products Packaging, Plant Engineering & Maintenance, Plastics Molding & Manufacturing, Product Design & Development, and Rapid Prototyping, Quality Assurance, Robotics, Supply Chain Management, and Graduate School.

Accreditation

Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 – Telephone (410) 347-7700.

Admission Requirements

- Candidates should have completed NYS Regents Math B with grade 80 or better, or Course III with one additional year of high school mathematics, and be ready to enroll in pre-calculus. If a student does not meet this criterion, he/she will be required to take prerequisites in mathematics.
- Students who graduate with a two year college degree in a program related area will be evaluated with the objective of awarding maximum credit toward the completion of the (B Tech) degree.
- Transfer students from community colleges, universities or other institutions of higher learning with some coursework completed will be evaluated on case-by-case bases.
- Refer to the table of high school course prerequisites for admission.

Program Requirements:

(Curriculum 2250 Semester I Credits MATH 123 Pre-Calculus (GER 1)4 MECH 121 Manufacturing Processes I 3 ENGS 101 Intro. to Engineering2 PHYS 121/131 College/University PHY 125/135 Physics Lab 1 (GER 2)..1 MECH 101 Drawing for Engineers1 Semester II MATH 161 Calculus I (GER 1)......4 ENGS 201 Statics3 ENGL 101Composition & The Spoken Word (GER 10)3 PHYS 122/132 College/University Physics II (GER 2)3 PHYS 126/136 Physics Lab 2 (GER 2) 1 MECH 102 Parametric Modeling......2 Semester III MATH 162 Calculus II (GER 1)......4 ENGS 203 Engineering Strength of Materials......3 ELEC 261 Electricity4 ENGS 314 Fluid Mechanics I......3 MECH 242 Fluid Power lab.....1 Humanities GER (7, 8, or 9) ¹.....<u>3</u> 18 Semester IV ELEC 141 Industrial Controls.....2 ENGS 350 Mechanics of Machine Social Science Elective GER (3, 4, 5, or 6) ¹......3 MECH 303 GD&T (Geometric Dimensioning and

Semester V

Elective (300 or 400 level) ⁴ 3	3
MECH 342 Thermodynamics3	3
MATH 364 Differential Equations	
(GER 1)4	4
MATH 141 Statistics (GER 1)3	3
ENGS 102 Programming for	
Engineers2	2
15	15
Semester VI	
MECH 343 Heat Transfer3	3

MECH 312 Engineering Design.......3 SOET 400 Technical Communication..3 MECH 301/ENGS 202 Technical Dynamics / Dynamics3

Elective (300 or 400 level)⁴.....<u>3</u>

Semester VII MECH 377 Capstone Research &

Semester VIII

- 1 Must complete 7 of 10 GERS and 30 credits
- 2 Electives are lower level (100 or 200) from all ACHP, AREA, CHEM, CITA, CONS, ELEC, ENGS, MATH, MECH, SOET course listing and AUTO 104 will be accepted

3 Writing intensive course requirement

- 4 Program electives are upper level from all ACHP, AREA, CITA, CONS, ELEC, MATH, PHYS, MECH, MKTX, SOET course listings. Program electives are selected by advisement based on student interest and career goals
- 5 MECH 480 Co-Op can be equivalent up to 6 credit hours
- NOTE: Mechanical Engineering Technology students must meet seven of ten General Education Requirements, 45 upper level credits, maintain a minimum 2.0 GPA and complete the OSHA 10 hour safety training for graduation
- Student Learning Outcomes can be found at www.canton.edu/csoet/mech/.

Mechatronics Technology-BS

The Bachelor of Science in Mechatronics is a multidisciplinary program which embraces the necessary skills of traditional programs of mechanical, electrical, computer, and controls engineering. The base knowledge is then applied to integrating mechanical, electrical, software, and controls into practice through applied problem solutions before graduation.

Students In This Major:

- Will be able to apply mathematics, science, and engineering principles
- Will be able to design and conduct ex-

periments, analyze and interpret data | PHYS 135 University Physics I Lab1 |

- Will be able to design a system, component, or process to meet desired needs
- Will be able to identify, formulate, and solve engineering problems
- Will be able to function on multidisciplinary teams, professional and ethically communicate
- Will be able to react to the impacts of engineering solutions in a global and societal context

Career Opportunities:

Mechatronics is a rigorous multidisciplinary program that will prepare our students for any real-world engineering challenges. Because of this program's multidisciplinary nature, Mechatronics Engineering Technology offers the broadest spectrum of employment opportunities, allowing for our graduates to pursue jobs seeking Mechanical, Electrical, Computer, Telecommunications, Systems, and Control Engineers. These post-undergraduate opportuni

ties include, but are not limited to: • Robotics Engineer

- Field Service Engineer
- Design Engineer (Electrical, Mechanical, Mechatronics, etc...)
- Research Engineer
- Software Development Engineer
- Controls and Automation Engineer
- Hardware Support Engineer
- Automation Engineer
- Graduate School (Masters or Doctorate)

Accreditation

NYSED requires to accredit this program at the first opportunity with ABET, 415 N. Charles Street Baltimore, MD, 21201 – Telephone (410) 347-7700. SUNY Canton plans for accreditation with the first graduating class.

Admission Requirements

Incoming students will meet all general admissions requirements as freshmen to SUNY Canton. Additionally; students must be qualified to enter Calculus I (MATH 161) and have completed the NYS Chemistry Regents Exam with 65 or above. Transfer students should meet the SUNY Transfer Path for Engineering: Mechanical. Also, transfer students should satisfy 5 of the 10 SUNY GER areas. Transfer students will be required to have a minimum GPA of 2.00.

Program Requirements:

(Currunium 2002)	
Semester I	Credits
ENGL 101 Composition And the	
Spoken Word	3
ENGS 101 Introduction to	
Engineering	2
MATH 161 Calculus I	4
CHEM 150 College Chem I & Lo	ab 4
PHYS 131 University Physics I	

17
Semester II
MECH 112 3D Modeling3
GER Elective
(3,4,5,6,7,8,9)
MATH 162 Calculus II4
GER Elective
(3,4,5,6,7,8,9)
PHYS 132 University Physics II3
PHYS 136 University Physics II Lab 1
17
0 111

Semester III

ENGS 201 Statics	3
CITA 152 Computer Logic	3
Liberal Arts Elective	3
MATH 263 Calculus III	4
GER Elective	
(3,4,5,6,7,8,9)	3
	16

Semester IV

Semester IV		
MATH 364	Differential Equations	.4
CITA 180	Intro to Programming	.4
ENGS 263	Electric Circuits	.3
ENGS 264	Circuit Lab	. 1
ENGS 203	Engineering Strength of	
	Materials	. 3

Somester V

Semester V	
ENGS 202 Dynamics3	
ENGS 102 Programming for	
Engineers2	
GER Elective	
(3,4,5,6,7,8,9)3	
ELEC 141 Industrial Controls2	
MKTX 320 Mechatronics Lab I1	
Liberal Arts Elective3	
$\overline{14}$	

Semester VI

Semester VI
MKTX 310 Instrumentation & Controls 3
Liberal Arts Elective U/L3
MKTX 370 Mechatronics
Laboratory II1
ENGS 350 Mechanical Design3
ELEC 165 Digital Fundamentals and
System3
ELEC 166 Digital Fundamentals and
Sys. Lab1
$\overline{14}$

Semester VII

ENGS 314 Fluid Mechanics I3
MKTX 325 Microcontrollers3
MKTX 477 Capstone I2
MKTX 410 Robotics Analysis &
Synthesis
COFT/DOLD OVID 1 VIU V

SOET/BSAD 361 Project Mgmt.3 Liberal Arts Elective U/L....3

Semester VIII

Liberal Arts Elective U/L.....3 MKTX 478 Capstone II2 Liberal Arts Elective U/L......3 Program Elective U/L......3 Liberal Arts Elective U/L......3

U/L = Upper Level Courses (300/400) GER = General Education Requirement NOTE: Mechatronics students must meet seven of ten General Education Requirements, 45 upper level credits, maintain a minimum 2.0 GPA and complete the OSHA 10 hour safety training for graduation

Nursing-BS

The SUNY Canton RN-BS Nursing program is based upon the beliefs that:

• Communities are comprised of unique, holistic individuals and

aggregates who have values and beliefs that originate from their lifeworld, who have specific needs and are capable of making decisions by themselves, with others, and/or by proxy.

- Health and well-being are dynamic lived experiences uniquely defined by the individual and community within the context of culture and environment.
- Nursing is a unique profession that provides a service to society that is culturally sensitive, evidence-based, collaborative, and individualized. Utilizing the nursing process, the nurse facilitates transformation within individuals, groups, and communities to attain desired outcomes.

Students In This Major:

15

- Demonstrate critical thinking and decision making that utilizes the nursing process and evidence-based practice in the delivery of care to culturally diverse individuals, families, groups, and community.
- Synthesize knowledge from the liberal arts and nursing to promote the health and well-being of culturally diverse individuals, families, groups, and communities.
- Integrate legal and ethical concepts with the leadership role to advance and promote the health and well-being of culturally diverse individuals, families, groups, and communities.
- Utilize nursing theory/conceptual frameworks, nursing research, and evidence-based practice in addressing the nurs-ing care needs of culturally diverse individuals, families, groups and communities.
- Incorporate leadership theory to the nurse manage role in the collaboration, coordination, and provision of nursing care in health care settings.
- Apply knowledge from nursing, humanities, biological, and social sciences to plan, implement, and evaluate care for sick and well individuals, families, groups, and communities.
- Participate as nurse leaders on interdisciplinary care teams to influence positive social change and health care policy.
- Plan and implement educational activities that empower individuals, families, group, and communities to manage their health care at the local, national, and global level.
- Collaborate with health care colleagues to promote holistic health care for individuals, families, groups, and commu-nities.

Career Opportunities:

- Public and Community Health
- Armed Services and Veterans Administration
- Entry level nursing management
- Acute, long-term, and specialty nursing units

Transfer Opportunities:

• Graduates of the RN-BS program are able to transfer into Nursing graduate programs.

Accreditations:

- Registered by the NYS Education Department, Office of the Professions State Education Building-2nd Floor, Albany NY 12234, and phone: 518-474-3817.
- Accredited by the Accreditation Commission for Education in Nursing, 3390 Peachtree Road, Suite 1400, Atlanta, Georgia 30326, and phone: 404-975-5000.

Admission Requirements:

Admission requirements can be found online at: http://www.canton.edu/sci_ health/nurs/description.html

Program Requirements:

Leadership **3 Lib. Arts Elective

Semester IV NURS 402Community Health Nursing4 NURS 403Transcultural Nursing 2 U/L Lib. Arts Elec. (GER) 3 U/L Liberal Arts Elective 3 U/L Liberal Arts Elective 3 15

- -Part-time status program requirements can be found online at: http:// www.canton.edu/sci_health/nurs/ description.html
- graduating with the BS degree.

* Students who have not met the prerequisite for MATH 141 (Statistics) take MATH 111 or Math 121; students who have already taken Statistics or have met the prerequisite for MATH 141 take a Liberal Arts elective ** Fulfills writing intensive requirement

UL = Upper Level Courses (300/400)

GER = General Education Requirement

- NOTE: Nursing students must take seven out of ten General Education Requirements including one and ten, 30 total General Education credits and 45 upper level credits.
- Student Learning Outcomes can be found at www.canton.edu/sci_health/nurs/.
- Residency Requirements: Students must complete a minimum of 30 credits at SUNY Canton's RN-BS program in order to receive a Bachelor of Science degree from SUNY Canton. Required courses include: Health Assessment in Nursing (NURS 303), Nursing Management and leadership (NURS 400), and Community Health Nursing (NURS 402).

Nursing Dual Degree-AAS/BS

The Dual Degree Nursing Program (DDNP) combines general education courses and nursing courses that allow students to complete their baccalaure-ate education in four years and be eligible to take the NCLEX-RN (RN licensing exam) in three years. After three years of full-time study, graduates earn an Associate in Applied Science (AAS) Degree in nursing and are eligible to take the NCLEX-RN licensing examination to become Registered Nurses (RN). The fourth year is online for those who have obtained their RN license and have graduated with an AAS degree in nursing from SUNY Canton. The final year is career oriented so that students may work as RNs and attend school online to complete their degree.

Students in this Major

- · Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.
- Minimize risk of harm to patients and providers through both system effectiveness and individual performance.
- Use information and technology to communicate, manage knowledge, mitigate error, and support decisionmaking.
- Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.
- Function effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
- Advocate for clients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
- Recognize the client or designee as

the source of control and full partner in providing compassionate and coordinated care based on respect for client's preferences, values, and needs.

- · Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.
- Use data to monitor the outcomes of care processes and use improvement methods to design and test changes to continuously improve the quality and safety of health care systems
- Integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.
- Utilize the nursing process, think critically, and base client care on evidence based practice.
- · Engage in active learning.
- · Develop personally and professionally.
- Upon meeting the requirements for graduation, are eligible to sit for the licensing examination to become Registered Professional Nurses.

Program Highlights

- · Career oriented
- Obtain eligibility to be a Registered Professional Nurse
- · Develop critical thinking and professional behaviors
- Become competent in nursing skills • Participate in clinical practicums and the skills laboratory

Career Outlook

- Nursing is the largest health care occupation.
- There is increasing diversity in nursing employment, and projections indicate large numbers of new jobs.

Employers Of SUNY Canton Graduates

- · Hospitals and physicians' offices
- · Home healthcare services
- · Nursing care facilities
- Correctional facilities • Schools
- · Military service

Transfer Opportunities

• Graduates have a number of transfer options including: RN-MSN programs.

Accreditations

- Registered by the NYS Education Department, Office of the Professions State Education Building-2nd Floor, Albany NY 12234, and phone: 518-474-3817.
- Accredited by the Accreditation Commission for Education in Nursing, 3390 Peachtree Road, Suite 1400, Atlanta, Georgia 30326, and phone: 404-975-5000.

Admission Requirements:

Admission requirements can be found

online at: www.canton.edu/sci_health/ nur/

Program Requirements:
(Curriculum) Semester I Credits
BIOL 217 Anatomy and Physiology I4
ENGL 101 Composition and the Spoken Word3
PSYC 101 Introduction to Psychology
MATH111 Survey of Math OR MATH 121 College Algebra
Semester II BIOL 218 Anatomy and Physiology II
Semester III BIOL 209 Microbiology
Semester IV NURS 106Maternal Child
Nursing4.5 NURS 107Mental Health Nursing4.5 NURS 104Pharmacology1 BIOL 391 Pathophysiology3 U/L Liberal Arts Elective (GER if needed)3 16
Semester V NURS 201 Medical Surgical Nursing I
NURS 200Pharmacology1 U/L Liberal Arts Elective (GER if needed)3 17
Semester VI NURS 202 Medical Surgical
Nursing II
NURS 204Pharmacology1 U/L Liberal Arts Elective (GER if needed)3 15
Semester VII NURS 300Conceptual Frameworks3 NURS 370Research Methods in the Health Sciences
NURS 303Health Assessment
Semester VIII NURS 302Ethical and Legal Issues3 NURS 400Nursing Mgmt. and Leadership
NURS 402 Community Health Nursing NURS 403 Transcultural Nursing2 Upper Liberal Arts Elective 3 15
* Fulfills writing intensive requirement ** Co-requisite for NURS 201, Pre- requisite for NURS 202

- Graduation Requirements: Total Semester Hours - 126 credits with minimum 2.0 GPA
- *A grade of "C+" or better is required for successful completion of all Nursing courses and a "C" or better in all co-requisite courses.
- Successful completion of all co-requisite courses and a minimum semester GPA of 2.0 is required to continue in the program. This requirement is different from that of the college in order to help insure that the student is adequately prepared to enter the nursing profession, increase likelihood of success on the NCLEX-RN test, and enhance the ability of the student to transfer credit to another college.
- Once enrolled in NURS 101, students must complete the program within five years. For extraordinary circumstances, permission to complete the program beyond five years must be granted by the Dean of the School of Science, Health, and Criminal Justice in consultation with the Nursing Department Director.
- Additional Graduation Requirements can be found online at: www.canton. edu/sci_health/nur/

Sports Management-BBA

The BBA in Sports Management prepares individuals for professional careers within sport organizations, such as non-profit companies, commercial and private enterprises, government/ public sector jobs, and various levels of professional sports.

The BBA in Sports Management will develop capable sport management professionals able to apply creative communication, leadership, and managerial skills in an array of positions in the sport industry. These positions can include sports administration, sales, marketing, public relations, information and media, operations, facilities, and event management. The program offers an exciting array of sports management courses that provide students experiential learning opportunities and hands-on application throughout their journey. The program also offers various culminating experience options that include applied senior level courses and/or senior research project and/or semester internship.

Students In This Major:

- Will be prepared to be effective managers and leaders in the various skills, roles, and functions of sport management professionals.
- Develop communication and technical skills needed to be effective professionals in various sport management settings.
- Will gain valuable hands-on experience and developmental insights from applied learning opportunities throughout the program.

Career Opportunities

- Sport Event Management
- Marketing and Promotions
- Athletic Director
- · Sport Facilities Manager
- Sport Programming
- Athletic Business Operations
- · Sport Media Relations
- Ticket Sales Operations
- · Sport Corporate Sales
- · Recreation Programming • Sport Coordinators

In addition, the Sport Management program prepares students who desire to pursue an advanced degree in Sport Management.

Admission Requirements

- Students must satisfy SUNY Canton general admission's requirements.
- Students must meet requirements to enroll in MATH 106 or higher and ENGL 101.

Program Requirements

riogram negonomento
(Curriculum 0182)
Semester I Credits
SPMT 100 Major Prep1
BSAD 100 Introduction to Business 3
ENGL 101 Composition & the Spoken
Word3
Math (GER 1)*3-4
GER - Intro to Soc.
recommended3
GER (4, 5, 6, 7, 8, 9)3
15-16
Semester II
SPMT 101 Foundations of Sports
Management
ACCT 101Foundations of Financial
Accounting4
ECON 103 Microeconomics
GER (4, 5, 6, 7, 8, 9)3
GER (4, 5, 6, 7, 8, 9)3
16-17
Semester III
SPMT 201 Sport in Society

3P/MI 201	sport in society
SPMT 240	Sport Governance3
BSAD 201	Business Law I3
	Natural Science (GER 2).3-4
	GER (4, 5, 6, 7, 8, 9)3
	15
Semester IV	V

SPMT 241 Legal Issues in Sport	3
SPMT 242 Sports Finance	3
SPMT 311 Sports Information	3
BSAD 350 Marketing	3
GER (1-10)	
. ,	15

Semester V
SPMT 203 Leadership for Sports
Professionals3
SPMT 307 Sports Marketing3
SPMT 411 Sports Public Relations*3
BSAD 301 Principles of Management .3
SPMT 308 Sports Event Management . 3
$\overline{15}$
Semester VI
SPMT 306 Sports Operations &
É de la composición de la composicinda composición de la composición de la composición de la composici

Facilities Mgt3
BSAD 310 Human Resource
Management3
SPMT 320 Global Sports Perspectives . 3
U/L Program Elective3
General Elective**3
15

Semester VII

Semester VII
SPMT 410 Orienta. to Culminating
Experience1
U/L Program Electives6
SPMT 415 Sports Media &
Broadcasting
General Elective
General Elective3
16
Semester VIII
SPMT 421 Sport Management

Internship	9-15
and/or	
U/L Program Electives	.3-15
	15

Students may also combine an internship with Upper Level elective. Internship must be a minimum of 6 credits.

Students must have a combined 3.0 GPA of all SPMT courses completed to be eligible to apply for an internship.

Upper Level Program Electives:

SPMT 300 SPMT Practicum1-3
SPMT 312 Sport Entrepreneurship3
SPMT 313 Economics of Sport3
SPMT 412 Sport Sales and
Sponsorships
SPMT 413 Contemporary Issues in
College Sport
Administration3
SPMT 414 Labor Relations in Sport3
SPMT 430 Advanced Sports Marketing
& Sales3
SPMT 431 Applied Sports Media and
Broadcasting3
SPMT 432 Applied Sports Event
Management3
(Upper level BSAD, ECON, FSMA, HEFI
courses also accepted as Program
Electrony (

Electives)

- * GER MATH must be MATH 111 or higher UL = Upper Level Courses (300/400)
- GER = General Education Requirement
- NOTE: Sports Management students must meet seven out of ten General Education Requirements including one and ten, 30 total General Education Requirements.
- Student Learning Outcomes can be found at www.canton.edu/sci health/ spmt/

Technological Communications-BS

SUNY Canton's Bachelor of Science in Technological Communications is a career-focused program of study cultivating expertise in the latest technology for building community and sharing ideas. The program offers an opportunity to explore writing for multimedia, database applications, presentation tools, application design, and digital mapping, all while considering audience, context, and the literary, architectural, interactive, and design elements of media.

Students learn vital workplace skills including professional and media writing, a variety of communications methods designed to reach general and specialized audiences, and learn best practices in the field of Technological Communications to craft innovative projects as part of guided internship experiences. Graduates are wellqualified for entry-level professional opportunities in fields such as public relations, advertising, and cultural heritage, as well as businesses and nonprofit organizations looking for trained writers and narrators who are well-versed in the most recent digital communication technology.

Students In This Major:

- Explore the use of emerging social and digital media outlets for effective communication and messaging.
- Understand industry standard design frames such as User Experience (Ux) and Design Thinking
- Use the latest digital technology to create innovative communications and content to effectively reach specialized and general audiences.
- Collaborate in designing and mapping content to create powerful narratives designed for a variety of media channels.
- Work closely with expert faculty mentors to learn to effectively present, organize, and articulate thoughts, ideas, viewpoints, and conclusions both orally and/or in writing.
- · Gain significant practical experience with internships focusing on development and publication of traditional and new media content.

Career Opportunities

The employment opportunities cover a broad range, including major businesses and non-profit organizations. Graduates will be prepared for employment opportunities in:

- Advertising
- Public Relations
- · Web/Social Media Content Management
- · Design for Gaming Industry
- Editing
- · Grant Writing
- Building and Maintaining Digital Archives
- · Narrative Writing
- · Media Project Management
- Podcasting

Admission Requirements

- Refer to the table of high school course prerequisites for admission.
- Students must be prepared to take ENGL 101 (Composition and the Spoken Word).
- Transfer students must meet re-registration requirements to be considered for admission.

Program Requirements

(Curriculum 2673)	
Semester I	Credits
TCOM 100 Introduction to	
Technological	
Communications	3
Math Elective (GER 1)3-4

American History Elective ENGL 101 Composition and the Spoken Word (GER 10) 3 Social Science Elective (GER 3)3 FYEP 101 First Year Experience.....1 17-18 Semester II Western Civ Elective Arts Elective (GER 8)3 ENGL/TCOM 200 Narrative Form in Video Games3 Humanities Elective (GER 7)3 General Elective3 16-17 Semester III ENGL 270Media Writing*......3 ENGL 314Digital Graphic Storytelling 3 Science Elective (GER 2)..3-4 Foreign Language (GER 9)3-4 General Elective<u>3</u> Semester IV ENGL 380Intercultural Communications3 ENGL/TCOM 322 Mobile Media Stories & Games......3 SOCI 305 Gender in the Media3 Other World Civilization (GER 6)3 Program Elective3 15 Semester V ENGL 311/ TCOM 310 Identity in the Digital Age......3 ENGL 302Global Englishes......3 Program Elective3 15 Semester VI TCOM 330 Digital Narratives Workshop......3 TCOM 350 Electronic Literature.......3 Program Elective (U/L Recommended)......3 Program or Liberal Arts 15 Semester VII TCOM 400 Internship I......3 TCOM 360 Online Media & Pop Culture.....3 Program Elective (U/L Recommended) 3 Program or Liberal Arts Elective (U/L).....<u>6</u> Semester VIII TCOM 410 Internship II3 Program Elective (U/L Recommended)3 Program or Liberal Arts Elective (U/L Recommended)6 * Fulfills writing intensive requirement. U/L = Upper Level Courses (300/400) GER = General Education Requirement Program Electives: ENGL and GRST

Veterinary Service Administration-BBA

The Bachelor of Business Administration (BBA) program in Veterinary Service Administration constitutes the final two years of a 2+2 articulation program in which the first two years entail completion of a degree in Veterinary Technology from an AVMA - Accredited Veterinary Technology Program. This degree serves to provide the knowledge and skills necessary to manage a business or organization that provides veterinary care to animals. Emphasis is placed upon establishing a foundation in basic business and accounting principles, then applying these principles to the management of specific types of veterinary businesses and institutions. Students will complete the program with an internship concentrating on management and administration within a veterinary setting. This program may be completed partially or entirely online.

Students In This Major:

- Begin by laying a foundation in Business, Accounting, Math, and Liberal Arts.
- Build upon this foundation with coursework specific to veterinary management.
- Will spend a semester in the field as an intern in a managerial capacity.
- Are prepared for entry-level management positions in veterinary hospitals or other veterinary industries or organizations.
- Will complete the course work required for Certified Veterinary Practice Manager (CVPM) certification.

Career Opportunities:

- Veterinary Practice Management
- Animal Shelter Management
- Veterinary Mobile and Spay/Neuter Clinic Management
- Biomedical Research Facility Management
- Zoo and Wildlife Management
- Public Sector employment (State, Federal, and Local regulatory agencies)

Career Outlook:

- Veterinary Technician has been listed as one of Money Magazine's "Top 10 Fastest Growing Career Fields." Coupling this training with a baccalaureate degree focusing on veterinary business management increases its value, expanding the scope of employment opportunities and earning potential for graduates.
- Veterinary hospitals and other animal care facilities seek managers with not only a working knowledge of the medical and technical aspects of veterinary medicine, but also an

understanding of the operational structure of animal care facilities and the ability to oversee the personnel, information, finances, infrastructure, equipment, and other integral components of the operation of these facilities.

• With fewer, larger veterinary facilities becoming the norm, there is greater stratification of duties within these facilities, and greater demand for full-time managers and Technician/Managers.

Admission Requirements:

- Graduation from an AVMA-accredited veterinary technology program.
- Veterinary Technician licensure, registration, or certification, as applicable for state of residency, or eligibility thereof.

Program Requirements:

(Curriculum 2535)

Semester VI

- BSAD 215 Small Business Mgmt......3 VSAD 301 Veterinary Practice Management......3 BSAD 310 Human Resource
- HLTH 303 Occupational Health and Safety......3

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U/L Liberal Arts Elective
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(GER if needed) ......3
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Semester VII

Semester VIII

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VSAD 408 Internship for Veterinary
Service Administration....12
Upper-Level General
Elective.......3
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* Fulfills writing intensive requirement.

U/L = Upper Level Courses (300/400)

GER = General Education Requirement

NOTE: Veterinary Service Administration students must meet seven of the ten General Education Requirements.

Student Learning Outcomes can be found at www.canton.edu/sci_health/ vsct/.

Veterinary Technology-BS

The Bachelors of Science degree program in Veterinary Technology provides an advanced educational opportunity to students interested in pursuing careers in the veterinary health care field. The program includes specific course work required in our Veterinary Technology AAS program and adds upper division offerings in the sciences and applied electives to obtain the distribution hours required of a Bachelor's of Science degree. Graduates of this program have the opportunity to become veterinary technicians coupled with the career flexibility that a Bachelor's degree provides.

Students In This Major:

- Work with companion animals, farm animals and common laboratory animals.
- Receive advanced technical training above core requirements of a graduate veterinary technician.
- Perform two 120 hour Preceptorships
- Will be eligible to take the Veterinary Technician National Licensing Examination (VTNE).
- May be eligible to pursue a post graduate degree (MS, PhD, DVM).

Career Opportunities:

Veterinary technicians provide professional technical support to veterinarians, biomedical researchers, and other animal care specialists. They may work in:

- Clinical practice
- Educational Institutions
- Public Health
- Government agencies
- Research & Pharmaceutical industry
- Veterinary supply and equipment sales

Career Outlook:

16

- Veterinary Technician has been listed as one of Money Magazine's "Top 10 Fastest Growing Career Fields."
- At the present time, there is a serious shortage of veterinary technicians throughout the country.

Transfer Opportunities:

• Articulation with Ross University School of Veterinary Medicine for students with an overall GPA of 3.0 or higher and possessing the required prerequisite courses.

Admission Requirements:

Admission is selective and based on academic credentials. To be considered for admission, please refer to the requirements posted on our webpage at: www.canton.edu/sci_health/vet/description.html

The pre-exposure rabies vaccine is

required in the program. This is administered in a series of three vaccinations and must be completed during or prior to the semester student is enrolled in **VSCT 115**

Program Requirements:

(Curriculum 2278) Semester I Credits VSCT 101 Fundamental Vet. Nursing Skills I2 VSCT 103 Intro. to Animal Agriculture 2 BIOL 150 College Biology I.....4 CHEM 150 College Chemistry I4 ENGL 101 Expository Writing OR ENGL 101 Composition & Spoken Semester II VSCT 104 Veterinary Office Practices .1 VSCT 114 Animal Anatomy & Physiology3 VSCT 115 Fundamental Vet. Nursing Skills II2 BIOL 155 College Biology II......4 CHEM 155 College Chemistry II4 Lib.Arts Elec. (GER 4, 5, 6, 7,8, 9)......<u>3</u> 17 Semester III Animals.....3 Lib.Arts Elec. (GER 4, 5, 6, 7,8, 9)......3 16-17 Semester IV VSCT 112 Veterinary Clinical Pathology I3 VSCT 201 Veterinary Technology Preceptorship I1 VSCT 212 Research Animal Techniques 1 VSCT 213 Practical Nutrition.....2 PSYC 101 Introductory to Psychology.3 Lib.Arts Elec. (GER 4, 5, 6, 16 Semester V VSCT 202 Veterinary Clinical Pathology II3 VSCT 203 Small Animal Medicine & Therapeutic Techniques...3 VSCT 204 Large Animal Medicine & Therapeutic Techniques 2 VSCT 205 Radiographic Techniques...2 VSCT 209 Veterinary Technology Preceptorship II.....1 U/L Program Elective......3 U/L Liberal Arts Elective.....3 Semester VI VSCT 210 Veterinary Microbiology.....3 VSCT 211 Animal Hospital Practices

and Procedures *3

VSCT 214 Veterinary Pharmacology...2 U/L Liberal Arts Electives ... 6 14

Semester VII

Upper Level BIOL OR

U/L Program Electives9 U/L Liberal Arts Elective3

- Semester VIII
 - U/L Program Electives9 U/L Liberal Arts Elective6

† Math Elective: MATH 111, 121, 122, 141 or another appropriate math by advisement

-Of the courses with the VSCT prefix, any course may only be repeated one time. -Students are required to earn a C or better in

all specified curriculum courses prefixed with VSCT in order to progress in the program. -The NYS Education Department Office of

- the Professions requires persons applying for licensure to answer questions related to a conviction of a crime or professional misconduct.
- * Fulfills writing intensive requirement. U/L = Upper Level Courses (300/400)

GER = General Education Requirement

U/L Program Electives: Any U/L course with the prefix of: VSAD, VSCT, BIOL, or CHEM; as well as: BSAD 319 Professional Ethics, HSMB 301 Public Health Issues, HSMB 303 Occupational Health and Safety, or SSCI 370 Research Methods in the Social & Health Sciences.

NOTE: Veterinary Technology students must take seven out of ten General Education Requirements including one and ten, 30 total General Education credits.

Student Learning Outcomes can be found at www.canton.edu/sci health/ vet/.

Associate Degrees

Apprentice Training: Industrial Trades-AAS

Students In This Major:

- Enter into this program while working towards or after obtaining a Journey-man's Certificate through technical instruction and on-the-job training through the BOCES coordinated NYS Apprentice Program.
- · Earn the equivalent of one year's college-level study following satisfactory completion of the Journeyman's Certificate, leading to an Associate in Applied Science.

Career Opportunities:

· Program is designed to prepare skilled tradesmen to enhance their employment growth potential, not entry-level employment.

Potential Salary:

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· Average salary for skilled trades employees varies greatly depending on employer. This degree can enhance the employee's earning ability both with the current employer and future employers.

Program Requirements:

(Curriculum 0473)

Credits

Related Technical Instruction and Supervised On-the-Job Training......30 (Represented by satisfactory completion of Journeyman's Certificate* with related instruction provided by St. Lawrence-Lewis BOCES)

English/Humanities	6
Social Sciences	6
Mathematics/Science	6-8
Liberal Arts & Science Elective	3
General Electives	9
	30-32

* Fulfills writing intensive requirement.

Student Learning Outcomes can be found at www.canton.edu/business/apprentice.html.

Automotive Technology-AAS

Graduates of the Automotive Technology program experience an exciting period of transition as manufacturers continue their shift toward higher fuel efficiency. Recruiters and employers of SUNY Canton's graduates include dealerships, service industries, automobile manufacturers, and parts suppliers. Graduates learn how to troubleshoot, diagnose and repair all aspects of the automobile power train, suspension, steering, braking and air conditioning systems.

Students In This Major:

- Have the opportunity to earn two Snap-On Diagnostics certifications.
- May receive Subaru training in senior year if academic average is 'B' or better.
- Can earn NATEF certification upon successful examination.
- Utilize the latest technology in an electronics-based curriculum.
- · Acquire extensive hands-on experience in well-equipped laboratories.
- · Receive a world class education in automotive electrical, mechanical, technical, and services areas.
- · Learn on late model cars donated by automotive manufacturers.
- Get special attention from faculty in small laboratory classes.
- Enjoy outstanding career placement.

Career Opportunities:

- Automotive Service Technician
- Service Manager
- · Service Advisor
- · Industrial Research and Development
- · Automotive Machine Shop
- Auto Parts Manager/Owner
- Technical Representative
- Automatic Transmission Technician Wheel Alignment/Suspension Tech-
- nician · Maintenance Technician

- · Fleet Maintenance Supervisor/Technician
- · Heavy Equipment Maintenance Technician

Career Outlook:

• The U.S. Department of Labor cites a strong demand for qualified automotive technicians and master technicians.

Recent Employers Of SUNY Canton Graduates:

- Ford Motor Company
- · Chrysler Corporation
- Toyota (Lexus Division)
- General Motors Corporation Sears
- · Firestone Tire Company
- Goodyear Tire Company
- NAPA Auto Parts
- Snap-On Tools Corporation
- Taylor Rental Corporation
- Troyer Race Car Engineering
- · Various dealerships throughout NYS
- · Many graduates own their own businesses.

Transfer Opportunities:

- Morrisville State College
- SUNY Utica/Rome, Oswego

Articulation:

· Applicants who have completed a two-year vocational-technical automotive program may qualify for advanced standing (transfer credit).

Admission Requirements:

• Students must be qualified to enter Applied College Mathematics (MATH 101)

Program Requirements:

(Curriculum 0525)
Semester I Credits
AUTO 101 Automotive Services2
AUTO 104 Basic Welding2
AUTO 111 Automotive Services
Laboratory1
AUTO 112 Automotive Electrical
Systems3
AUTO 122 Automotive Electrical Syst.
Lab 1
ENGL 101Composition & Spoken
Word3
MATH101 Applied College
Mathematics 1
$\overline{16}$
Semester II
AUTO 113 Engine Performance I3
AUTO 114 Engine Performance I
Laboratory1
AUTO 141 Automotive Braking
Systems
AUTO 144Auto. Braking Systems Lab. 1
AUTO 102 Diesel Engines OR
AUTO 103 Automotive Air
Conditioning32
General Elective3

GER Elective	3
	10
Semester III	
AUTO 213 Engine Performance II	. 4
AUTO 220 Internal Combustion	
Engines4	. 4
AUTO 241 Suspension Design and	
Services	. 2
AUTO 282 Suspension Design and	
Serv. Lab	
PHYS 115 Basic Physics	.4
	15
Semester IV	
AUTO 212 Automotive Electrical	
Systems II	. 4
AUTO 214 Automotive Computer	

- Mathematics level depends on previous preparation. Applied College Mathematics (MATH 101) is the minimum requirement. Math 106 Intermediate Algebra or higher maybe substituted.
- 2 PHYS 121/125 College Physics I lecture/ lab may substitute if student meets prerequisites
- 3 One required. Courses offered alternating years
- 4 Writing Intensive course
- 5 Transfers from Powersports use MSPT 101 for AUTO 101 & 111, MSPT 130 as an elective replacement for AUTO 102 or 103, and MSPT 110 for Auto 220. MSPT 120 can be used as the 3rd semester elective.
- Student Learning Outcomes can be found at www.canton.edu/csoet/auto_tech.html.

Additional Graduation Requirements

Students must meet a minimum GPA of 2.0

Business: Accounting-AAS

The Associates in Applied Science degree program is a two-year program. Students learn the basics of financial accounting and real-world accounting practice from our faculty with professional working experience. The skill will be extended to tax preparation and information technology using the most recent accounting and tax software.

In addition, the two-year program In Accounting prepares graduates to continue their education in accounting or finance or business management four-year bachelor degree.

Students In This Major:

- Learn accounting theory, financial, managerial and cost accounting systems.
- Learn how accountants track, report, and interpret activity to allow for appropriate decisions by business, government, education, and individuals.
- Students have the opportunity to receive IRS approved training, to be

certified in preparing taxes, and to volunteer through the only Volunteer Income Tax Assistance (VITA) site in St. Lawrence County.

• Students have the opportunity to learn real world accounting practice with simulations and QuickBooks, the current accounting software.

Career Opportunities:

Graduates are able to disseminate financial information to public reporting entities and business decision makers. Opportunities in this field include:

- Private business and industry
- Public accounting agencies
- Governmental accounting positionsTax preparation
- · Financial management

Career Outlook:

Students with a degree in accounting are positioning themselves for career advancement and greater earning power. According to the Bureau of Labor Statistics, employment of accountants and auditors is projected to grow by 13% from 2012 to 2022. The accounting profession is committed to delivering a strong ethical foundation engaged in the preparation and examination of financial records, and a commitment to lifelong learning. The role of the accountant is ever changing and integral to any business entity. See more compensation information from the website of U.S. Bureau of Labor Statics, Accountants and Auditors. https://www.bls.gov/oes/current/ oes132011.htm#st

Typical Jobs Upon Graduation:

- Staff Accountant
- Claims Adjustor
- Project Manager Credit Analyst
- Credit Analys
- Loan Specialist Account Clerk
- Account Cler
 Tax Preparer
- Business Manager

Recent Employers Of SUNY Canton Graduates:

- St. Lawrence County
- Pinto, Mucenski & Watson PC
- United Helpers
- Home Depot
- Claxton-Hepburn Medical Center
- C. Rowe Accounting & Tax Preparation
- North Country Savings Bank
- SeaComm Credit Union
- Dragon Benware Crowley and Company PC
- Gray & Gray and Associates CPAs, P.C.

Transfer Opportunities:

- Clarkson University
- SUNY Canton, SUNY Albany, SUNY IT, SUNY Plattsburgh, SUNY Potsdam, SUNY Oswego
- Siena CollegeLeMoyne College
- Dechoster Institute of Tes
- Rochester Institute of TechnologySyracuse University
- University of Vermont

Students wishing to transfer into a fouryear program should consult their transfer school of choice prior to transfer.

Admission Requirements:

• Students must be prepared to take Composition & the Spoken Word (ENGL 101).

Program Requirements:

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(Curriculum 0630)
Semester I
                         Credits
FYEP 101 First Year Experience......1
ACCT 101Foundations of Financial
         Accounting1.....4
ECON 101 Macroeconomics ......3
ENGL 101Composition & the Spoken
         CITA 110 Intro. to Information
        Technology......3
Mathematics*2......3-4
                          17-18
Semester II
ACCT 102Foundations of Managerial
         Accounting1 ......3
ECON 103 Microeconomics ......3
        Mathematics (GER 1)2....3-4
BSAD 200 Business
         Humanities Elective
        (GER 7) ......3
                          15-16
Semester III
ACCT 300Intermediate Accounting....3
ACCT 306Cost Accounting......3
Liberal Arts & Sciences
        Elective OR
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GER (2,4,5,6,8,9)33 Program Elective3

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Semester IV
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Accounting Electives (2) .....6
FSMA 210 Introduction to Finance ......3
Program Elective or
GER (2,4,5,6,8,9)3*** ......3
General Elective or
GER (2,4,5,6,8,9)3*** ......3
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** Fulfills writing intensive requirement.
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GER = General Education Requirement

- 1Lowest acceptable grade 2.0.
- 2Lowest acceptable level: Intermediate Algebra (MATH 106). Math courses recommended: College Algebra and Statistics.
- 3Management or Finance Bachelor's Degree track: Seven GERSs are required.
- A minimum cumulative GPA of 2.0 is required to remain in this program. Accounting Electives: ACCT 242, 245,
- 302, 310, 335, 410, 430, or 440. Program Electives: Courses in ACCT,
- BSAD, ECON, FSMA, and LEST.

3GER = General Education Requirement; students may take no more than one course per GER category. http://www.canton.edu/gened/

Student Learning Outcomes can be found at www.canton.edu/business/accounting.html.

Business Administration-AS, AAS

Students In This Major:

- Obtain a viable business background for immediate employment and/or transfer to a four-year program.
- Learn principles of business, accounting, and economics.

Career Opportunities:

- Assistant Manager
 - Advertising Representative
- Sales Representative
- Supervisor
- Customer Service Representative

Career Outlook:

• With the importance of technology in the global economy, business positions are anticipated to increase.

Recent Employers Of SUNY Canton Graduates:

- Community Bank
- Wal-Mart
- New York State
- Canton-Potsdam Hospital
- St. Lawrence Health Alliance

Transfer Opportunities:

• Eligible students may enroll in one of SUNY Canton's four-year business or management programs.

Admission Requirements:

• Students must be prepared to take Composition & the Spoken Word (ENGL 101).

Program Requirements:

AS Degree–Transfer Program (Curriculum 0671)

Semester II

ACCT 102Foundations of Managerial
Accounting3
CITA 110 Intro. to Information
Technology3
ECON 103 Microeconomics3
GER(2, 4, 5, 6, 8)3

MATH 141 Statistics
15
Semester III
BSAD 200 Business Communications**3
BSAD 201 Business Law I3
Program Elective3
GER (2, 4, 5, 6, 7, 8)3
GER (2, 4, 5, 6, 7, 8)3
15
Semester IV

FSMA 210 Introduction to Finance.....3 Program Elective3 Program Elective3 GER (2, 4, 5, 6, 7, 8)3 GER 94 16

*Survey of Mathematics (MATH 111), College Algebra (MATH 121), Pre-Calculus Algebra (MATH 123) and Trigonometry (MATH 131), or Calculus (MATH 161) ** Fulfills writing intensive requirement. ***Required for Freshmen students only GER = General Education Requirement -Students may take no more than one course per GER subject area Program Electives: ACCT, BSAD, ECON, FSMA, or LEST

AAS Degree (Curriculum 632) Semester I Credits FYEP 101 First Year Experience***1

Scheduler Stevenson Scheduler Stream Scheduler Stream Scheduler Stream Scheduler Sched

*Intermediate Algebra (MATH 106), Survey of Mathematics (MATH 111), College Algebra (MATH 121), Pre-Calculus (MATH 123), College Trigonometry (MATH 131), Statistics (MATH 141), or Calculus (MATH 161).

** Fulfills writing intensive requirement.

*** Required for all Freshmen

GER = General Education Requirement Program Electives: ACCT, BSAD, ECON, FSMA, or LEST

Student Learning Outcomes can be found at www.canton.edu/business/bus_admin.html.

Civil Engineering Technology-AAS

Graduates of the Civil Engineering Technology program receive the Associate of Applied Science degree which enables them to go directly to work or transfer into a bachelor's degree program. Career options may be primarily office-based (drafting and design) or field-based (surveying, inspection, and construction management). Students are well prepared to meet the career challenges of the civil engineering and construction industries. Graduates may pursue a baccalaureate degree (Civil and Environmental Engineering Technology at SUNY Canton or elsewhere). Hands-on learning and extensive practical skills are emphasized in classes.

Students In This Major:

- Communicate effectively and professionally in the construction environment through proper use of verbal, written, and graphic techniques.
- Develop mathematical skills in algebra, trigonometry, and calculus, using analytical problem-solving methods.
- Employ logical and concise analytical techniques to solve technical problems.
- Demonstrate the capability to develop engineering drawings for construction projects.
- Demonstrate a thorough knowledge of common construction materials; both their proper use and their proper testing procedures.
- Understand the mechanics of structural design.
- Be proficient in the use of surveying equipment to collect data to lay out projects, and to solve engineering problems.
- Graduates will have developed the personal and academic skills required to pursue lifelong learning in, and beyond, the chosen major.

Career Opportunities:

• Structural Steel Designer, Drafter, Estimator, Surveyor, Construction Superintendent, Construction Inspector, Materials Technician, Environmental Technician, Industrial Sales Representative, Residential/ Commercial Contractor and General Contractor.

Career Outlook:

• Nearly 100% of graduates willing to relocate/travel are able to establish civil engineering or construction-related careers.

Recent Employers Of SUNY Canton Graduates:

- NYS Department of Transportation
- Atlantic Testing Laboratories
- CIVES Steel Corp.
- C & S Cos. General Contracting

- Northeast Construction Services, Inc.
- Bette and Cring Construction Group
- NC Dept. of TransportationAdvanced Testing Labs
- Advanced Testi
 Barrett Paving
- Northland Construction
- Army Corps of Engineers
- Stebbins Engineering

Transfer Opportunities:

Transfer Opportunities can be found at www.canton.edu/csoet/civil_eng.html

Accreditation:

 Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street, Baltimore, MD 21201 – Telephone (410) 347-7700.

Admission Requirements:

• Students must be qualified to enter PreCalculus Algebra (MATH 123) Students who do not meet the recom-

mended high school and hot meet the recommended high school math prerequisites may still be admitted to the College, but completing the program may require more than two years.

Program Requirements:

ENGL 101 Composition and the Spoken Word<u>3</u>

Semester III

CONS 203 Advanced Surveying.......3 CONS 272 Strength of Materials for

Social Science

GER (3,4,5, or 6)......<u>3</u>

Semester IV

Total Required Program Credits = 64

1 MATH: If entering at MATH 161 they will complete MATH 161 and MATH 162.

Student Learning Outcomes can be found at www.canton.edu/csoet/civil_eng.html

Additional Graduation Requirements

Students transferring a significant number of credits from outside must complete the designated "Capstone" course at SUNY Canton, and the student's transfer records must have been reviewed and approved by the CET Department Chair.

Computer Information Systems-AAS

Computer Information Systems (CIS) students develop abilities for working with computer systems, databases, networks, and web development. Qualified graduates also have the opportunity of completing a four-year program in Information Technology with two additional years of study earning a Bachelor of Technology degree.

Students In This Major:

- Develop the knowledge and experience for a successful career in the computer industry.
- Develop teamwork skills throughout the program.
- Enhance their skill sets by opportunities to electives of interest.
- Acquire hands-on experience in small, well-equipped laboratories.
- Work with qualified faculty in small class sizes solving real-world problems.

Career Opportunities:

- Junior Programmers
- Network Technician/Administrator
- Systems Manager
- Technical Representative
- Web Developer
- Help Desk Manager

Career Outlook:

• Computer Information Systems is expected to continue as a strong growth area for career opportunities.

Recent Employers Of SUNY Canton Graduates:

- SUNY Canton
- Clarkson University
- Canton-Potsdam Hospital
- St Lawrence-Lewis County BOCES
- Eclipsys
- IBM
- Corning, Inc.

Transfer Opportunities:

- SUNY Canton: Information Technology and Industrial Technology Management
- SUNY Plattsburgh: Information Technology

Admission Requirements:

• Students must be qualified to enter at least Intermediate Algebra (MATH

106) and Composition and the Spoken Word (ENGL 101).

- High school chemistry and physics courses are recommended.
- High school computer technology courses are strongly recommended.
- Transfer students must have a minimum of 2.0 GPA.

Students who do not meet necessary prerequisites may be admitted to the college. However, completing the program may require more than two years.

Program Requirements:

Program Requirements:
(Curriculum 0581-01)
Semester I Credits
BSAD 100 Introduction to Business 3
CITA 163 Survey of Information
Technology ¹
CITA 152 Computer Logic ¹ 3
ENGL 101Composition & Spoken
Word
Mathematics Elective ² 3
15
Semester II
CITA 170 Comp. Concepts & Oper.
Sys ¹ 3
CITA 175 Comp. Concepts & Oper.
Sys Lab ¹ 1
CITA 171 Oper. Sys. Use &
Administration ¹ 3
CITA 202 Computer User Support*13
Math or Science Elective ² 3
SPCH 104 Introduction to Speech3
16
Semester III
ACCT 104Survey of Accounting ⁶ 4
CITA 220 Data Comm and Network
Tech ¹ 3
CITA 221 Data Comm and Net. Tech

CITA 221 Data Comm and Net. Tech Lab¹.....1 ECON 101 Macroeconomics OR ECON 103 Microeconomics3

2–Program Electives^{1, 5}......6

17

Semester IV

ouncater 1	•	
CITA 250	Information Security ¹	3
	Social Science Elective ⁷	3
	Program Elective ^{1, 5}	3
	2–LA Electives, ^{3, 4}	6
		15

* Fulfills writing intensive requirement. Student Learning Outcomes can be found at www.canton.edu/csoet/com_inf_sys.html.

Although there are several modern wellequipped computer labs on campus, it is expected each student has a personal computer.

- Any CITA course presented for meeting degree requirements must have a grade of at least C (or transfer credit). No more than 3 CITA credits with a course number below CITA150 may receive credit towards graduation.
- 2 CIS minimum requirement is MATH 106 Intermediate Algebra. MATH 121 College Algebra and MATH 141 Statistics are required in B. Tech. IT Program.
- 3 All graduates must have a minimum of 20 LA (liberal arts and sciences) credits
- 4 Students pursuing a baccalaureate degree should select courses from the following GER areas when feasible. GER 2 Science (CHEM 107/108 Investigative Chemistry/ Lab recommended), GER4 American

History; GER 5 Western Civilization; GER 6 Other World Cultures; GER 7 Humanities; GER 8 The Arts; or GER 9 Foreign Language.

- 5 Program Electives are from Canino SOET, the Business Department (including ACCT 102 Managerial Accounting), and the GMMD Department. Students pursuing a B.Tech. in IT degree should take: CITA180 Intro to Programming, CITA 204 Systems Analysis and Design, and CITA 215 Database Applications and Concepts.
- 6 ACCT101 Financial Accounting may be substituted for students interested in pursuing a business related minor or major.
- 7 Social Science Elective students pursuing a baccalaureate degree should select from GER 4, 5, or 6 – see note 4 above.

Additional Graduation Requirements

Each CITA course used to meet graduation requirements must have a grade of "C" or higher. A transfer student must complete at least two CITA courses (six credit hours) numbered 200 or above which are applicable to the degree.

Construction Technology: Management-AAS

This program prepares students for careers in construction by blending hands-on construction skills with project planning, management and estimating. Students are also exposed to accounting, bidding, drafting, and business organization and management. Graduates with the Construction Technology: Management, AAS (Associate of Applied Science) degree have the option of completing a four-year degree with two more years of study; Industrial Technology Management (B. Tech.) is one possible track.

Students In This Major:

- Learn fundamental construction techniques through hands-on experience and classroom teaching.
- Conduct construction material testing (eg: steel, soils, concrete) using industry-standard equipment.
- Experience an academic program that blends the fields of construction, business, and management.
- Develop computer software skills, project scheduling techniques, and construction methods utilized in the management of construction projects.

Career Opportunities:

- Construction Project Manager Assistant
- Estimator
- Project Planning and Scheduling
- Construction Equipment Salesperson
- Residential Contractor
- Commercial Contractor
- Purchasing Agent

- Code Enforcement Officer
- Insurance Adjustor

Career Outlook:

- Career opportunities currently exist at all levels of the construction industry.
- Infrastructure rehabilitation should maintain the need for construction technicians and assistant project managers.

Recent Employers Of SUNY Canton Graduates:

Atlantic Testing Laboratories

- Barrett Paving Materials Inc.
- Northeast Construction Services
- C & S Companies
- Tuscarora Construction
- Jeffords Steel Inc.CIVES Steel
- Many local construction companies

Transfer Opportunities:

- SUNY Canton (B. Tech. in Industrial Technology Management)
- SUNY Alfred (BS, BT in Construction Management)

Admission Requirements:

• Students must be qualified to enter Applied College Mathematics (MATH 101) or Intermediate Algebra (MATH 106)

Students who do not meet the recommended high school math prerequisites may still be admitted to the College, but completing the program may require more than two years.

Program Requirements:

(Curriculum 1162)
Semester I Credits
SOET 101 Computer Usage for
Technicians1
FYEP 101 First Year Experience1
CONS 112 Wood Structures
SOET 116 Intro. to Computer
Drawing2
BSAD 100 Intro to Business
ENGL 101Composition and the
Spoken Word3
MATH Math Elective1
$\overline{16}$
Semester II
CONS 111 Commercial Structures 3
CONS 132 Construction Drafting3
CITA 109 Intermediate Spreadsheets.1
PHYS 115 Basic Physics
General Elective3-4
$\overline{14}$

Semester III CONS 101 Elementary Surveying4 CONS 222 Construction Estimating... 2 CONS 280 Civil Engineering

Materials......3 BSAD 201 Business Law I......3 ACCT 104Survey of Accounting<u>4</u>

Semester IV

CONS 274 Construction Mgmt.3 CONS 216 Soils in Construction24

Humanities Elective	
(GER 7,8 or 9)	3
Soc. Science Elective	
(GER 3,4,5, or 6)	3
	13

Total Required Program Credits = 60

1 The student will be leveled into the appropriate MATH class. MATH 123 is the minimum level of mathematics required for the program. If entering with MATH 106, MATH 123 will be taken as the General Elective in semester 2. If leveled Into MATH 123, a general elective will be taken in semester 2.

2 Writing Intensive Course.

Student Learning Outcomes can be found at www.canton.edu/csoet/const_mgt.html.

Additional Graduation Requirements

Students must have completed a minimum of nine CONS credits at SUNY Canton. Student transfer records must be reviewed and approved by the program director.

Criminal Justice-AAS

The program offers three distinct learning tracts which allows the student the opportunity to tailor their coursework for future career aspirations:

- Law Enforcement
- Corrections
- Generalist

Students are provided a solid academic foundation that allows them to seamlessly transfer into any of our B. Tech majors in Criminal Investigation,

Tech majors in Criminal Investigation, Homeland Security or Criminal Justice: Law Enforcement Leadership.

Students In This Major:

- Acquire the basic knowledge for a broad view of criminal justice which could support either a career in criminal justice OR further academic study in his field.
- Have their needs met by choosing the delivery format for the courses that best fits their lifestyles. The coursework is available in both a traditional classroom format and in an online format.

Career Opportunities:

- Police Officer
- Corrections Officer
- Private Security
- Loss Prevention Officer

Career Outlook:

• U.S. Department of Labor forecasts that the growth rate until 2024 is approximately 4%. The average starting pay is approximately \$39,000 which is higher than the overall average pay of all occupations tracked by the D.O.L.

Recent Employers Of SUNY Canton Graduates:

- Federal Bureau of Investigations (FBI)
- Secret Service
- U.S. Customs & U.S. Border Patrol
- New York State Department of Environmental Conservation
- New York State University Police
- New York State Police
- New York Department of Corrections
- Military Police of the Armed Forces
- United Parcel Service
- Pinkerton Security
- Sheriff's Department
- Municipal Police Departments
- Vermont State Police

Transfer Opportunities:

• Fifty to sixty percent of AAS graduates seek baccalaureate degrees. The majority of these students remain at SUNY Canton and pursue one of the baccalaureate degrees due to the hands-on aspects of our B. Tech degrees.

Admission Requirements:

- Students must be prepared to take Intermediate Algebra (MATH 106)
- Students must be prepared to take Composition and the Spoken Word (ENGL 101).
- Transfer students must have at least a 2.0 GPA.

Program Requirements:

(Curriculum 0640) Semester I Credits JUST 101 Intro. to Criminal Justice....3 ENGL 101 Composition and the Spoken Word3 CITA 110 Intro. to Information Technology......3 MATH Elective (GER MATH) 3 PSYC 101 Introductory Psychology3 15 Semester II JUST 105 Correctional Philosophy.....3 JUST 112 Criminal Law and Procedure.....3 SOCI 101 Introduction to Sociology...3 Humanities Elective (GER 7)......3 Natural Science w/Lab (GER 2)3-4 15-16 Emphasis A: Law Enforcement

- Semester III

Semester IV

- JUST 203 Criminal Investigation3 JUST 207 Police Services.......3
- JUST 210 Forensic Investigations......3

Lib. Arts Elective (GER 5, 6, 8, 9)......3 Lib. Arts Elective (any GER) <u>3</u>

JUST 211	Diagnostic Eval of	
	Offender	3
	American History Elective	
	(GER 4)	3
	Lib. Arts Elective	
	(GER 5, 6, 8, 9)	3
	General Elective	
		15

Semester IV

OR Emphasis C: Crimin

Semester IV

* Fulfills writing intensive requirement.

- GER = General Education Requirement 1 Intermediate Algebra (MATH 106) is the
- minimum level acceptable toward AAS degree. Survey of Mathematics (MATH 111) or College Algebra (MATH 121) is minimum for B. Tech. degrees.
- --Introduction to Criminal Justice should be taken as soon as possible.
- --Early American History (HIST 103) or Modern US History (HIST 105) is recommended for American History elective.
- --A minimum of 60 credit hours with a 2.0 GPA is required to receive the AAS degree in Criminal Justice. Students must take all of the PROGRAM courses and all courses In Emphasis A, Emphasis B, OR Emphasis C (NOT ALL THREE).

Early Childhood-AS

Students In This Major:

- Enroll in a course of study offering 12 courses specific to early childhood care and education along with general liberal arts courses leading to an associate of science degree
- Participate in student teaching field-based experiences in various childcare settings, including: Head Start Programs, Universal Pre-K, and Kindergarten Public School

Classrooms, Child Care Centers, Family Child Care Provider Homes, Nursery, and Pre-School programs.

- Enroll in a course of study offering 12 courses specific to Early Childhood Care and Education along with general liberal arts courses leading to an Associate of Science degree.
- Take part in professional development opportunities offered through, seminars, trainings, workshops, and conferences.
- Have access to various learning resources, activity kits, and equipment in our state-of-the-art Early Childhood Undergraduate Teacher Center & Classroom located in Cook Hall.
- Prepare for rewarding careers in Early Care and Education or continue academic studies by enrolling in our Bachelor of Business Administration in Early Childhood Care and Management, or transfer to various 4-year degree Programs.

Program Delivery:

The Associate of Science Degree in Early Childhood can be completed fully online, on campus, or a combination of both. Distance students can attend FLEX classes virtually in real-time or view recorded class sessions throughout the semester. Students can begin enrollment in fall or spring and attend part or full-time.

Career Opportunities:

- Pre-School and Child Care Center Lead Teacher, Assistant Teacher
- Public School: Teacher Assistant
- Head Start: Lead Teacher, Asst. Teacher
- Self Employed: Child Care or Nursery School Owner
- Family Child Care Center Provider

Career Outlook:

- U.S. Department of Labor projects employment of Preschool Teachers, and Teacher Assistants to grow by 4% from 2019-2029, about as fast as the average for all occupations.
- Certification requirements are increasing for Early Care and Education providers. Associate and Bachelor Degrees are necessary to work in lead positions in childcare facilities and Head Start programs.
- Changes in society and the workforce demand an increase in the availability of high-quality early childcare and education options for families and children from infancy to pre-kindergarten.

Transfer Opportunities:

SUNY Canton, BBA in Early Childhood Care and Management.....Earn 2 degrees in 4 years!

- SUNY Canton Early Childhood graduates attend:
- SUNY Cobleskill, SUNY Plattsburgh, SUNY Oneonta, SUNY Cort-

land, SUNY Buffalo, SUNY Albany, SUNY Cobleskill

• SUNY Brockport, SUNY New Paltz, SUNY Geneseo, SUNY Potsdam, SUNY Fredonia, College of Saint Rose, Empire State

Admission Requirements:

- Students must meet entrance requirements and be eligible for enrollment in:
- Composition & the Spoken Word (ENGL 101).
- Transfer students must have a minimum 2.0 GPA for admittance to the ECHD major.
- Students who do not meet ECHD admission requirements may enroll in preparatory courses. Students must pass all *preparatory courses and have a minimum 2.0 GPA for admittance to the ECHD program.
- Graduates of BOCES Early Childhood Occupations programs may be eligible for 3–6 college credits toward the Early Childhood Program at SUNY Canton. Refer to the College catalog for a list of BOCES Programs for which we have articulation agreements.

Program Requirements:

- Students are required to complete NYS Office for Children Trainings: Identification of Child Abuse & Neglect and Foundations in Health, Safety & Nutrition [offered online within our courses]
- Early Childhood students must complete a Health Clearance through the SUNY Canton Davis Health Center; have evidence of a recent physical exam, and updated immunizations.
- For off campus teaching experiences (ECHD 201) residential students will need to arrange for coordination of and/or transportation to their assigned placement sites. Distance/ Online students will be complete student teaching experiences in centers and programs in close proximity to their residence and attend seminars virtually.

(Curriculum 1327)

Semester I Credits FYEP 101 First Year Experience1 ECHD 101 Intro. to Early Childhood ENGL 101Composition & the Spoken PSYC 101 Introduction to Psychology.3 Science Elec. (GER 2).....3-4 General Elective (GER 1-9) 3 16-17 Semester II ECHD 121 Wellness in Young Children......3 ECHD 131 Infants and Toddlers......3 ENGL 216Children's Literature Semester III

ECHD 125 Curriculum Development .3 ECHD 250 Children with Special ECHD 285* Iss. & Policies in Early Care & Ed.*.....3 History Elective (GER 4, 5 or 6).....3 Arts Elec. or Foreign Lang. (GER 8 or 9).....3-4 16-17 Semester IV ECHD 201 Student Teaching Field Experiences w/Seminar 4 ECHD 204 Early Childhood Observation3 ECHD 200 Planning Programs for Young Children3 General Elective......3 General Elective......3 * Fulfills writing intensive requirement. GER = General Education Requirement NOTE: Early Childhood students must

meet seven out of ten General Education Requirements.

Student Learning Outcomes can be found at www.canton.edu/business/early_childhood/.

Electrical Engineering Technology-AAS

The Electrical Engineering Technology (EET) program prepares students for a wide range of opportunities ranging from manufacturing and defense to power generation and computing. At completion, graduates receive the Associate in Applied Science degree and have considerable flexibility for continuing their education or commencing their career directly. Math skills and an interest in science are expected, and the student will receive extensive hands-on experience in a small class setting. Graduates are qualified to work as Engineering Technicians, or continue in the four year EET program (B. Tech.), and will have the flexibility to a number of elective courses including Mathematics as minor.

Program Educational Objectives

- Provide industry with well qualified technicians for entry level positions in the Electrical Engineering Technology field;
- (2) Provide transferability for students who are interested in baccalaureate degree programs at SUNY Canton or other institutions with related programs;
- (3) Be ready to expand knowledge in engineering profession through continuing education, or other lifelong learning experiences;
- (4) Be committed to quality, timeliness and respect for diversity.

Student Learning Outcomes

- What students are expected to know and be able to do by the time of graduation:
- (1) An ability to apply knowledge, techniques, skills and modern tools

of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;

(2) An ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline;

(3) An ability to apply written, oral, and graphical communication in well-defined technical and nontechnical environments; and an ability to identify and use appropriate technical literature

- (4) An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and
- (5) An ability to function effectively as a member of a technical team.

Career Opportunities:

More than 90% of the graduates go directly into positions like:

- Project Control Technician
- Electronic Maintenance Technician
- Production Technician
- Field Service Technician
- Systems Test Technician
- Quality Assurance Technician
- Field Project Technician
- Instrumentation Technician
- Electrical Power Technician
- Communications Technician

Career Outlook:

The demand for Electrical Engineering Technicians is immense. There simply are not enough qualified technicians entering the market place, and a large number of working technicians are approaching retirement age.

Recent Employers Of SUNY Canton Graduates:

Brookfield Power

- Novelis
- Schlumberger
- Siemens
- National Grid
- ALCOA
- Schneider Packing Equipment
- Corning
- New York Power AuthorityTRC
- TKC
 C & S Engineers, Inc.
- NYSEG
- Verizon

Bachelor's Degree in Electrical Engineering Opportunity:

• Graduate from the AAS degree in Electrical Engineering Technology may continue in the B. Tech degree program, and all courses are transferred into the Bachelor's Degree program to allow student to complete his/her studies in two years.

Accreditation:

• Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 – Telephone (410) 347-7700.

Admission Requirements:

- Students must be qualified to enter Pre-Calculus Algebra (MATH 123)
- Students who do not meet the required high school mathematics prerequisites may still be admitted to the College, but they will have to complete all mathematics requirements before admission to this program, or they may complete one year certificate before starting the degree program.

Program Requirements:

(Curriculum 0699)
Semester I Credits
ELEC 101 Electric Circuits I3
ELEC 109 Electric Circuits I Lab1
ELEC 161 Electronic Fabrication2
SOET 116 Intro to CAD and Design 2
ENGL 101Composition & the Spoken
Word

MATH 123 Pre-Calculus Algebra4 FYEP 101 First Year Experience1

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Semester II

ELEC 102 Electric Circuits II
ELEC 129 Electric Circuits II Lab1
ELEC 141 Industrial Controls2
ELEC 165 Digital Fund & Systems3
ELEC 166 Digital Fund & Systems Lab 1
English (Literature)3
MATH 161 Calculus I4
17

Semester III

ELEC 213 Microprocessors *	.3
ELEC 215 Electrical Energy	
Conversion	.4
ELEC 231 Electronic Circuits	.4
ENGS 102 Programming for	
Engineers	.2
PHYS 121/131 College Physics I OR	
University Physics I	.3
PHYS 125/135 Physics Lab I	
	17

Semester IV

ELEC 203 Engineering Technology	
Project1	
ELEC 225/383 Telecommunications	
OR	
Power Transmission &	
Distribution	3
ELEC 332 Industrial Electronics3	3

ELEC 243 Computer Auto Control

18

v Though Engineering Safety is not required for AAS curriculum, Advisory Board suggest it will be helpful for a student to consider taking Engineering Safety Course SOET 349 or SOET 348.

* Fulfills writing intensive requirement. Student Learning Outcomes can be found at www.canton.edu/csoet/ elec_eng_tech/.

Additional Graduation Requirements

Students transferring in Electrical 200 level courses must complete a minimum of 12 credits of 200 level courses contained in the current Electrical Engineering Technology curriculum with a minimum GPA of 2.0 for all such credits taken.

Engineering Science-AS

The Engineering Science program prepares its graduates to complete a baccalaureate engineering degree with another two years of study. Applicable areas include mechanical, electrical, civil, and aeronautical engineering. A key difference with Engineering Science, as differentiated from other programs in the Canino School of Engineering Technology, is that this program provides a strong theoretical preparation rooted in calculus for students who seek to prepare for engineering design responsibilities. Graduates perform exceptionally well when transferring to engineering schools such as Clarkson, Cornell or RPI.

Students In This Major:

- Complete their first two years at SUNY Canton and then transfer to a four-year engineering school to complete their baccalaureate degree.
- Interact with faculty on a daily basis because of small class sizes.
- Are accepted by most four-year engineering schools with full junior status.
- Have the benefit of SUNY Canton's membership in the SUNY Two-Year Engineering Science Association (TYESA) of New York State. This membership assures that SUNY Canton's Engineering Science program is rigorous and allows for smooth transfer to four-year schools.

Career Opportunities:

After transferring to and graduating from a four-year school, any engineering career is possible. Typical opportunities include:

- Aeronautical Engineer
- Civil Engineer
- Computer Engineer
- Electrical Engineer
- Engineering Management
- Mechanical Engineer
- Chemical Engineer

Career Outlook:

- There are favorable job opportunities for engineering-related positions.
- Employment opportunities in engineering have been good for a number of years and are expected to continue.

Transfer Opportunities:

In recent years, Engineering Science students have transferred to:

- Carnegie Mellon University
- Clarkson University Dual Admission Availible - Earn an Associates at SUNY Canton and a Bachelor's at Clarkson University.
- Cornell University
- · Florida Institute of Technology
- · Northeastern University
- Pennsylvania State University
- Rensselaer Polytechnic Institute SUNY Binghamton
- SUNY Buffalo
- Syracuse University
- University of Massachusetts • University of North Carolina
- Admission Requirements:
- Students must be qualified to enter Calculus I (MATH 161)

Program Requirements:

(Curriculum 0530)

This program has been granted a SUNY General Education waiver which allows the program to require only five General Education Requirements. Care must be taken to select courses in areas which meet this requirement. Credits Semester I ENGS 101 Introduction to Engineering 2 CHEM 150 College Chemistry I4 ENGL 101 Composition & the Spoken Word3 MATH 161 Calculus I.....4 PHYS 131 University Physics I3 PHYS 135 University Physics Lab I.....<u>1</u> Semester II ENGS 102 Programming For Engineers2 CHEM 155 College Chemistry II4 PHYS 132 University Physics II......3 PHYS 136 University Physics Lab II1 Semester III ENGS 201 Statics3 ENGS 205 Nature & Properties of MATH 263 Calculus III4 ECON 103 Principle of 16 Semester IV ENGS 202 Dynamics......3 ENGS 263 Electric Circuits3 ENGS 264 Electric Circuits Lab......1 MATH 364 Differential Equations4 14

Student Learning Outcomes can be found at www.canton.edu/csoet/eng_sci.html.

General Technology-AAS

The General Technology (GT) curriculum serves needs of entering students in three broad ways. First, its curricular breadth and flexibility allows entering students to explore across a range of technology disciplines as they seek to identify a specific concentration path of interest. Second, GT enables students transferring from other academic programs or institutions to build upon academic work already accomplished. Third, this program is appropriate for students seeking a two-year degree in an unusual area of specialization for which dedicated programs may not conveniently exist (e.g. electronic testing, project planning & scheduling, quality control, plant operations & maintenance).

Graduates of this program may pursue employment upon graduation or continue their education with the pursuit of a subsequent baccalaureate (four-year) degree with a program such as Industrial Technology Management. This broad-based program is ideal for individuals with analytical capabilities seeking to pursue a path of study that serves the individual's particular interests well.

Students In This Major:

- Will have the flexibility to explore career interests in various technical disciplines.
- Will be able to focus their studies within their specific area(s) of interest.
- Will develop a strengthened preparation in mathematics, science, and technology.
- Are able to build upon academic work already completed in other related areas.

Career Opportunities:

Employment opportunities are broad for technology and span the range of industry and commerce. Because of the broad flexibility of this program, it is important for the student and academic advisor to carefully plan the selection of program electives that will best serve the career Interests of the individual student. Opportunities in this market include:

- Manufacturing & Production
- Industrial Distribution • Technical Sales and Services
- Pursuit of additional (four-year) education (e.g. Business, Information Technology, Industrial Technology Management)

Admission Requirements:

Incoming students will meet all general admission requirements as freshmen to SUNY Canton, having completed the NYS Geometry Regents or Math A plus one year. Transfer students will be

evaluated individually by the program academic advisor. The mathematics requirements will ensure that entering students are prepared to commence studies at a minimum level of College Algebra (MATH 121) and College Physics I (PHYS 121).

Program Requirements:

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(Curriculum 2208)
Semester I Credits
ENGS 101 Intro. to Engineering2
Technical Design OR
Drafting2-3
ENGL 101Composition and the
Spoken Word3
MATH 123 Pre-Calculus Algebra4
PHYS 121 College Physics I
PHYS 125 Physics I Lab1
15-16
Semester II
ENGS 102 Programming for
Engineers2
MECH 128 Electromechanical
Technology3
Social Science Elective3
Math Elective**4
Science Elective w/lab4
16
Semester III
Due envere Elective *** 0

Humanities Elective3

Semester IV

* Fulfills writing intensive requirement.

** College Algebra (MATH 121) or equivalent, & at least one calculus course are required. Entering students who are unprepared to enroll in MATH121 or equivalent may require extra time to graduate.

*** Program Electives are to be selected with the approval of the student's academic advisor from the following disciplines: ACHP, AREA, ASTR, AUTO, CHEM, CITA, CONS, ENGS, ESCI, TMMA, GEOL, GMMD, MECH, MFGT, MATH, MSPT, PHYS, and SOET.

Student Learning Outcomes can be found at www.canton.edu/csoet/general.html.

HVAC Engineering Technology-AAS

SUNY Canton is a leader in air conditioning education, and this program is well-suited for individuals with an interest in energy and technology. With energy costs at their current level, this program leads to employment opportunities across the U.S. and around the globe. It also provides excellent preparation for entry into baccalaureate programs such as Mechanical Technology, Alternative and Renewable Energy Systems or Industrial Technology Management at SUNY Canton. Students also pursue baccalaureate degrees at other institutions.

Students In This Major:

· Communicate effectively and professionally in the building environment through proper use of verbal, written, and graphic techniques.

- Develop mathematical skills in algebra, trigonometry, and calculus, using analytical problem solving methods.
- Be proficient and apply mathematics, fluid mechanics, thermodynamics, and principle of heat transfer to air conditioning designs.
- · Employ logical and concise analytical techniques to solve technical problems.
- Demonstrate the capability to develop engineering drawings for HVAC projects.
- Develop skills using specific codes, ASHRAE standards and handbooks.
- Demonstrate a thorough knowledge of HVAC components and how to use as a system to maintain design conditions.

Career Opportunities:

- Service Technicians
- HVAC Contractors
- Designers
- HVAC Sales
- · Controls Specialists
- · Facilities Management

Career Outlook:

· All graduating students seeking employment in the past two years have accepted employment by the first of June after graduation.

Recent Employers Of SUNY Canton Graduates:

- Day Automation Systems
- Prax Air, Inc.
- Pro Air Plus
- Siemens
- T.P. Woodside, Inc.
- Bomac
- Hyde-Stone
- DeLaval
- GEMMA Power Systems

Accreditation:

· Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 -Telephone (410) 347-7700.

Admission Requirements:

• Students must be qualified to enter Pre-Calculus Algebra (MATH 123)

Program Requirements:

(Curriculum 0444)	
Semester I	Credits
ENGS 101 Intro. to Engineering	2
ENGL 101 Composition & Spoke	n
Word	3
MATH 123 Pre-Calculus Algebra	14
SOET 116 Computer Drafting	2
PHYS 121 College Physics I	3
PHYS 125 Physics Lab I	
,	15

Semester II

Semester IV

ACHP 264Air Conditioning Syst.
Design1
ACHP 254 Domestic & Commercial II 4
CITA 220 Data Communications and
Networking Technology3
CITA 221 Data Communications and
Networking Tech. Lab1
ELEC 141 Industrial Controls2
GER Elective (GER 3, 4, 5, 6)3
14

* Fulfills writing intensive requirement.

Student Learning Outcomes can be found at www.canton.edu/csoet/air_cond.html.

Additional Graduation Requirements

Students must have completed while at SUNY Canton, 12 credits of 200 level courses, including ACHP 264, contained in the current HVAC ET curriculum and earning a minimum GPA of 2.0 for all such credit hours taken while under the direct advisement of the program faculty.

HVAC Trades-AOS

There's a growing demand nationwide for technicians specializing in heating, ventilation, air conditioning (HVAC) and refrigeration. Climate-control systems are becoming increasingly sophisticated, necessitating the need for advanced training.

Courses in the new major include hands-on labs specializing in the installation, troubleshooting and repair of HVAC systems, in addition to computers, motor controls, commercial refrigeration, and plumbing. It will also incorporate business and humanities courses to further prepare students for their professional careers.

With energy costs at their current level, this program leads to employment opportunities across the U.S. and around the globe. It also provides excellent preparation for entry into baccalaureate programs such as Sustainable Energy Technology or Industrial Technology Management at SUNY Canton. Students also pursue baccalaureate degrees at other institutions.

Students In This Major:

- · Communicate effectively and professionally in the building environment through proper use of verbal, written, and graphic techniques.
- Develop mathematical skills in algebra, trigonometry, and calculus, using analytical problem solving methods.
- Be proficient and apply mathematics, fluid mechanics, thermodynamics, and principle of heat transfer to air conditioning designs.
- · Employ logical and concise analytical techniques to solve technical problems.
- Demonstrate the capability to develop engineering drawings for HVAC projects.
- Develop skills using specific codes, ASHRAE standards and handbooks.
- Demonstrate a thorough knowledge of HVAC components and how to use as a system to maintain design conditions.

Career Opportunities:

- Service Technicians
- HVAC Contractors
- Designers
- HVAC Sales
- Controls Specialists

Recent Employers Of SUNY Canton Graduates:

- Day Automation Systems
- Prax Air, Inc.
- Central New York Trane
- Siemens
- Thomas Associates
- T.P. Woodside, Inc.
- Galson Engineering
- Bomac • Hyde-Stone
- NEPCO
- GEMMA Power Systems

Accreditation:

· Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 - Telephone (410) 347-7700.

Admission Requirements:

- Refer to the table of high school course prerequisites for admission.
- Students must be qualified to enter Intermediate Algebra (MATH 106)

Program Requirements:

(Curriculum 2953

Semester I Credits CONS 151 Building Trades - Blueprint Reading and Drafting 2 MATH 106 Intermediate Algebra3 ENGL 101 Composition and the Spoken Word (GER 10) 3

HVAC 103 Heating Systems I3 HVAC 104 Heating Lab I2 SOET 101 Intro to Computer Usage ... 1 14 Semester II

TVAC 101	Kerrigeration LZ
HVAC 102	Refrigeration I Lab3
HVAC 105	Heating Systems II3
HVAC 106	Residential & Light
	Commercial Installation 2
HVAC 110	Plumbing3
	Liberal Arts Elective3

Semester III

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CITA 108 Spreadsheets1
HVAC 201 HVAC Electrical and Motor
Control2
HVAC 202 HVAC Electrical and Motor
Control Lab2
HVAC 205 HVAC Service,
Troubleshooting & Repair .3
GER Elective
Humanities3
$\overline{14}$
Semester IV

ACHP 105Refrigeration SYSTEM Design2

AREA 210 Sustainable Building......3 HVAC 203 Commercial Refrigeration 2 HVAC 204 Commercial Refrigeration

Lab II	3
GER Elective	3
GER Elective	3
	16

1 Mathematics level depends on previous preparation, Applied College Mathematics (MATH 101) is the minimum requirement. Student Learning Outcomes can be found at

Individual Studies-AAS

Students In This Major:

- Enroll in one of the Schools: School of Business and Liberal Arts; Canino School of Engineering Technology; or School of Science, Health, and Criminal Justice.
- Develop a program consistent with a specific career objective.
- Have the opportunity to explore an unknown area.
- Benefit from the knowledge and skills obtained through life experiences.
- · Earn an Associates in Applied Science after 60 credits hours.
- May transfer into baccalaureate degree programs.

Career Opportunities:

Employment options are unlimited, students while working closely with an academic advisor can design their own programs.

Recent Employers Of SUNY Canton Graduates:

- Burke's Construction
- · Fleet Bank
- Dine-A-Mate, Inc.
- Builders Square

- Corning, Inc.
- Claxton-Hepburn Medical Center
- Potsdam Stone and Concrete
- Morris Protective Services

Admission Requirements:

- Student should be prepared to take Composition and the Spoken Word (ENĜL 101).
- Transfer students must meet reregistration requirements.

Transfer Opportunities:

SUNY Canton

16

- SUNY Potsdam, Plattsburgh, Oswego, Cortland, Geneseo, and Brockport
- State University Centers at Albany, Buffalo, and Binghamton
- · Clarkson University
- Niagara University
- St. Lawrence University

Program Requirements:

(Curriculum 0688)
English/Humanities6
Social Science
Natural Sciences and/or Mathematics 6
Applied Electives *21
Liberal Arts Elective
General Electives
First Year Experience1
61*
*All students must take a writing intensive
course.

Student Learning Outcomes can be found at www.canton.edu/business/individual.html.

Liberal Arts and Sciences: General Studies-AA, AS

Students In This Major:

- Develop a program consistent with a specific career objective or select a concentration from academic areas of humanities, social sciences or natural sciences.
- Prepare for careers in teaching, law, journalism, public administration, human services, finance, insurance, pharmacy, physical therapy, and other fields requiring an understanding of the human condition and the ability to communicate ideas.
- Graduate and continue study in such disciplines as English, education, art, drama, music, communication, economics, history, psychology, sociology, and anthropology.
- Complete all or the majority of the courses required in the first two years of a baccalaureate program in the natural and physical sciences.
- The Liberal Arts degree can be completed fully online, on campus, or a combination of both.
- · Have the opportunity to cross-register at SUNY Potsdam, St. Lawrence University, and Clarkson University.
- · Transfer to baccalaureate programs.

www.canton.edu/csoet/hvac-aos/

Career Opportunities:

Employment options are unlimited, since in consultation with the academic advisor, students can design their own programs.

Transfer Opportunities:

- 30 SUNY Canton Bachelor's Degree Programs: https://www.canton.edu/ academics/degrees.html
- SUNY Higher Education Institutions: https://explore.suny.edu/
- St. Lawrence University
- State University Centers at Albany, Buffalo, and Binghamton
- · Clarkson University

Admission Requirements:

- · Prepared to take Composition & the Spoken Word (ENGL 101)
 - —NYS English Regents score > 75: or
 - -Verbal SAT score > 420; or -Reading and Writing ACT scores > 17; or —Transfer student who has
 - already passed a college-level English course.
- Prepared to take GER Math -NYS Geometry Regents or Math A plus one year; or
 - -Already passed Intermediate Algebra or equivalent.

Program Requirements:

(Curriculum 0250)

AA Degree	Credits
ENGL 101 Composition & the Sp	
Word	
FYEP 101 First Year Experience.	
Literature/Humanities (GER 7)	
Humanities Elective	3
Fine Arts OR Language (GER 8,	9)3
American History (GER 4)	
Western Civilization OR World H	listory
(GER 5, 6)	
Social Science (GER 3)	3
GER 3, 4, 5, or 6 Elective	
Mathematics (GER 1) 1	3
Lab Science (GER 2) 2	4
Liberal Arts Electives	15
General Electives	
General Liectives	15
The A.A Degree requires minimu	ım, 45
semester hours In Liberal Arts	
	60-624

AS DEGREE

ENGL 101Composition & Spoken
Word3
FYEP 101 First Year Experience1
Literature/Humanities (GER 7)3
Fine Arts or Language (GER 8, 9)3
American History (GER 4)3
Western Civilization OR World History
(GER 5, 6)
Social Science (GER 3)3
Mathematics (GER 1) 13
Lab Science (GER 2) 24
Liberal Arts Electives
General Electives
The A.S Degree requires minimum, 30

semester hours in Liberal Arts 60-624

1 Minimum level Intermediate Algebra (MATH 106) or Survey of Math (MATH 111)

- 2 Science course must be a laboratory science. 4 Required: One writing intensive course in a
- liberal arts or science discipline Student Learning Outcomes can be found at
- www.canton.edu/business/libarts.html. Advisor Note
- Transfer students: May transfer a 3 or 4 credit *Lab Science or Science [GER 2]
- Option to waive **FYEP 101

Mechanical Engineering Technology-AAS

Graduates of Mechanical Engineering Technology (MET) work in a wide range of industries with a broad array of career opportu-nities. From manufacturing (CNC Machinist) and construction to equipment testing and power generation, employment opportuni-ties exist in CAD Design, product/system testing, quality improvement, and technical services support. The MET program is appro-priate for individuals who like hands-on experience, enjoy technology, and aspire to the challenge of experimentation and problem solving.

Students In This Major:

- · Practice and demonstrate hands on manufacturing skills related to machining, design and drafting, fluid power, mechanical design and electricity.
- · Develop core skills in Science, Technology, Engineering and Mathematics to commence their career immediately upon graduation or to continue with the pursuit of a baccalaureate degree.
- · Apply computer skills to design, interpret and analyze data, solve problems and prepare reports/presentations for professional communications.
- · Apply the scientific and technical knowledge to design, test, troubleshoot and improve machines, tooling, processes and information flow that serve the manufacturing industry.

Career Opportunities:

Typical job titles in which our graduates are employed are:

- Mechanical Engineering Technician
- · Engineering Assistant
- Computer-Aided Drafting
- Designer
- · Quality Management Technician
- Lab Technician
- · Instructional Assistant
- Field Service Technician
- CNC operator/programmer

Recent Employers of SUNY Canton Graduates:

- · Corning, Inc.
- CIVES Steel Co.

- FilterTech
- Viking-Cives, USA
- · Schneider Packaging • TRC
- Gleason Works
- · Bombardier, Inc.
- Novelis

Placement:

• All graduates during the past five years have either started their careers or continued their education. Forty percent in industry, and sixty percent elected to continue their education with the pursuit of a baccalaureate degree.

Transfer Opportunities:

- SUNY Canton (Alternative and Renewable Energy Systems, Industrial Technology Management, Mechanical Engineering Technology)
- SUNY Utica/Rome
- · Rochester Institute of Technology
- SUNY Alfred
- SUNY Buffalo

Accreditation:

· Accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, 415 N. Charles Street Baltimore, MD 21201 -Telephone (410) 347-7700.

Admission Requirements:

• Students must be qualified to enter Pre-Calculus Algebra (MATH 123) Students who do not meet the recom-

mended high school math prerequisites may be admitted; students may be admitted into Mechanical Engineering Technology upon completion of this prerequisite.

Program Requirements:

(Curriculum 0493) Semester I Credits MATH 123 Pre-Calculus (GER 1)4 MECH 121 Manufacturing Processes I 3 ENGS 101 Intro. to Engineering2 PHYS 121/131 College University

PHY 125/135 Physics Lab 1 (GER 2)..1 MECH 101 Drawing for Engineers1 14

Semester II

MATH 161 Calculus I (GER 1)......4 ENGL 101 Composition & The Spoken Word (GER 10)3 PHYS 122/132 College/University

MECH 102 Parametric Modeling2 16

Semester III

Elective ² 3
ENGS 203 Engineering Strength of
Materials3
ELEC 261 Electricity4
ENGS 314 Fluid Mechanics I3
MECH 242 Fluid Power lab1
Humanities
(GER 7, 8, or 9)3
$\overline{17}$

Semester IV

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ELEC 141 Industrial Controls.....2
ENGS 350 Mechanics of Machine
         Elements ......4
MECH 220 Engineering Materials3 .... 3
        Social Science Elective
         (GER 3, 4, 5, or 6)......3
MECH 303 GD&T (Geometric
         Dimensioning and
        Tolerancing) ......2
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1 Program electives selected from ACHP, AREA, ENGS, CITA, CONS, ELEC, MATH, MECH, SOET designators and AUTO 104

- 2 If going into the 4-yr MET, take MATH 162 (calc II)
- 3 Writing intensive course
- Student Learning Outcomes can be found at www.canton.edu/csoet/mech_eng.html.

Additional Graduation Requirements

Students must have complete the equivalent of one full-time semester hours (12 credit hours) under the direct advisement of the program faculty, in technically specialized courses offered by the program area. Students must maintain a minimum 2.0 GPA and complete the OSHA 10 hour safety training for graduation.

Nursing-AAS

Students In This Major:

- · Make judgments in practice, substantiated with evidence, that integrate nursing science in the provision of safe, quality care and that promote the health of patients within a family and community context.
- Minimize risk of harm to patients and providers through both system effectiveness and individual performance.
- Use information and technology to communicate, manage knowledge, mitigate error, and support decisionmaking.
- Implement one's role as a nurse in ways that reflect integrity, responsibility, ethical practices, and an evolving identity as a nurse committed to evidence-based practice, caring, advocacy, and safe, quality care for diverse patients within a family and community context.
- Function effectively within nursing and inter-professional teams, fostering open communication, mutual respect, and shared decision-making to achieve quality patient care.
- Advocate for clients and families in ways that promote their self-determination, integrity, and ongoing growth as human beings.
- Recognize the client or designee as the source of control and full partner in providing compassionate and coordinated care based on respect for client's preferences, values, and needs.

- Examine the evidence that underlies clinical nursing practice to challenge the status quo, question underlying assumptions, and offer new insights to improve the quality of care for patients, families, and communities.
- Use data to monitor the outcomes of care processes and use improvement methods to design and test changes to continuously improve the quality and safety of health care systems
- · Integrate best current evidence with clinical expertise and patient/family preferences and values for delivery of optimal health care.

Career Outlook:

- · Nursing is the largest health care occupation.
- There is increasing diversity in nursing employment, and projections indicate large numbers of new jobs

Career Opportunities:

- · Hospitals and outpatient clinics
- · Long-term care facilities
- · Community health agencies
- Schools
- Correctional Facilities
- Military Service

Transfer Opportunities:

· Graduates have a number of transfer options including: RN-MSN, RN-BSN, and BSN programs. Students may also elect to transfer into the SUNY Canton online RN-BS program.

Accreditations:

- Registered by the NYS Education Department, Office of the Professions State Education Building-2nd Floor, Albany NY 12234, and phone: 518-474-3817.
- Accredited by the Accreditation Commission for Education in Nursing, 3390 Peachtree Road, Suite 1400, Atlanta, Georgia 30326, and phone: 404-975-5000.

Admission Requirements:

Admission requirements can be found online at: www.canton.edu/sci health/ nurs/description.html

Program Requirements:

(Curriculum 0622)
Semester I Credits
NURS 101 Fundamentals of Nursing 6
NURS 103Pharmacology I1
NURS 105Nursing Seminar1
BIOL 217 Human Anatomy &
Physiology I
ENGL 101 Composition & the Spoken
Word3
15
0 YY

Semester II

NURS 104Pharmacology II.....1 NURS 106 Maternal/Child Nursing.4.5 NURS 107 Mental Health Nursing .. 4.5 BIOL 218 Human Anatomy &

PSYC 101 Introduction to Psychology $\frac{.3}{17}$

Semester III
NURS 200Pharmacology III 1
NURS 201 Medical-Surgical
Nursing I
BIOL 209 Microbiology4
PSYC 225 Human Development OR
PSYC 220 Child Development**3
18
Semester IV

Semester IV NURS 202 Medical-Surgical Nursing

IVIV
NURS 203Profes. Issues & Trends in
Nursing*1
NURS 204Pharmacology IV1
$\overline{12}$

* Fulfills writing intensive requirement. ** co-requisite for NURS 201, Pre-requisite for NURS 202

- Student Learning Outcomes can be found at www.canton.edu/sci_health/nursing/.
- -Enrolled students are required to purchase a standardized testing program. A tablet or laptop computer is required.

-CPR certification (Health Provider Status) is required prior to admission. Only American Heart Association CPR certification will be accepted.

- Students will complete clinical experiences in hospitals, long-term care facilities, and community agencies throughout Northern New York. Clinical hours may include day, evenings, and weekends. The college does not provide transportation to clinical.
- -The New York State Education Department, Office of the Professions requires persons applying for licensure to answer questions related to criminal convictions and/or professional misconduct.
- -Once enrolled in Fundamentals of Nursing (NURS 101), students must complete this Nursing program within four years. For extraordinary situations, permission to complete beyond four years must be granted by the Dean of the School of Science, Health, and Criminal Justice in consultation with the Nursing Department Director.
- -Of the four clinical nursing courses (NURS 101, 102, 201, and 202) only one course may be repeated one time.
- -A grade of C+ or better is required for successful completion of all nursing courses (NURS),, and a grade of C or better is required for all corequisite courses.
- -Successful completion of all corequisite courses and a semester GPA of 2.0 or better is required to continue in the program.
- Residency Requirement: Students must complete SUNY Canton's NURS 201, 202, 203, and 204 in order to meet the program's residency requirements.

Physical Therapist Assistant-AAS

Students In this Major:

• Assist the Physical Therapist in implementing a plan of care, utilizing various physical therapy interventions to promote healing and restore function.

- Develop professional behaviors required to be an effective member of the healthcare team.
- Are eligible to take the National Physical Therapy Examination for the Physical Therapist Assistant after graduation.

Career Opportunities:

• PTA's work in hospitals, nursing homes, rehabilitative centers, certified home health care agencies, private practices, and schools.

Career Outlook

• According to the 2020 Occupational Outlook Handbook, employment for PTA's is projected to grow 29% between 2019-2020.

Transfer Opportunities:

· Students can continue their studies in the Health and Fitness Promotion B. Tech program. The B. Tech program may assist students in meeting admissions requirements for a graduate or doctoral degree program or to enhance employment opportunities in the health and fitness field.

Accreditation:

• The PTA program at SUNY Canton is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 3030 Potomac Ave., Alexandria, Virginia 22305-3085; telephone: 703-706-3245; email: accreditation@apta.org; website: http://www.capteonline.org.

Admission Requirements:

The Physical Therapist Assistant Program is a selective admissions program. Admission requirements and details of the admissions process can be found online at www.canton.edu/sci_ health/pta/

Program Requirements:

(Curriculum 0489)

- Semester I Credits PHTA 100 Intro. to Physical Therapy .. 2 PHTA 101 Fund PT Skills & Modalities 4 BIOL 217 Human Anatomy &
- Expression......3 PSYC 101 Introductory Psychology3

Semester II

PHTA 102	Kinesiology3
PHTA 103	Musculoskeletal
	Pathologies4
PHTA 105	Musculoskeletal Assessment
	Techniques1
BIOL 218	Human Anatomy &
	Physiology II4
PSYC 225	Human Development3
PHTA 104	Clinical I (summer)4
	19

Semester III

PHTA 203 PTA Seminar I *2

PHTA 204	Cardiopulmonary &
	Integumentary Pathologies4
PHTA 205	Neuromuscular Pathologies 4
PHTA 206	Advanced PT Modalities2
	Liberal Arts Elective3
	15

Semester IV PHTA 210 PTA Seminar II2

- * Fulfills writing intensive requirement.
- ** Students must be prepared to work 40 hours per week and are responsible for their own transportation, meals, and housing as needed.
- Student Learning Outcomes can be found at www.canton.edu/sci_health/pta/.
- CPR certification (Health Provider Status) is required by the end of the first semester.
- Students may be required to submit to a drug screen and/or a criminal background check as part of clinical education requirements
- To progress in the PTA curriculum a minimal grade of C in BIOL 217 & BIOL 218 and C+ in all curriculum courses prefixed with PHTA must be achieved.
- Of all PHTA prefixed courses, only one course may be repeated one time.
- -The NYS Education Department Office of the Professions requires persons applying for licensure to answer questions related to conviction of a crime or professional misconduct.

Residency Requirement: Students must be matriculated in the curriculum for at least 15 hours of graded coursework. At least 12 of these credits must be prefixed with PHTA. The Program Director will determine the 12 credit requirement following a review of the student's academic transcript

Veterinary Science Technology-AAS

Students In This Major:

- Work with companion animals, farm animals and common laboratory animals.
- · Gain hands-on experience in small laboratory sections.
- Will be eligible to take the Veterinary Technician National Licensing Examination (VTNE) upon graduation.
- · Will be eligible to take the certification examination of the American Association of Laboratory Animal Science after six months of laboratory employment.
- Perform two 120 hour Preceptorships

Career Opportunities:

Veterinary technicians provide professional technical support to veterinarians, biomedical researchers, and other animal care specialists. Technicians may work in:

- Clinical Practice
- · Animal Shelters
- Diagnostic Laboratories
- Educational Institutions
- · Pharmaceutical and Research Industry
- · Veterinary Supply and Equipment Sales

- Zoo/Wildlife Medicine
- · State and Federal Agencies
- Farms & Stables

Career Outlook:

- · Veterinary Technician has been listed as one of Money Magazine's "Top 10 Fastest Growing Career Fields.
- At the present time, there is a serious shortage of veterinary technicians throughout the country.

Transfer Opportunities:

- · Articulation agreement with Cornell College of Agriculture and Life Sciences undergraduate program in Animal Science for any student graduating with a 3.0 average and possessing the required prerequisite courses.
- · Articulation agreement with Mercy College.
- SUNY Canton (Veterinary Services Administration, BBA)

Time To Complete the Program:

Once enrolled in Fundamental Veterinary Nursing Skills I (VSCT 101), students must complete the Veterinary Science program within four years. For extraordinary situations, permission to complete the Veterinary Science program beyond four years may be granted by the Dean of the School of Science, Health and Criminal Justice in consultation with the Veterinary Science Program Director.

Accreditation:

• Full Accreditation-AVMA, 1931 N Meacham Rd., Suite 100, Schaumburg, IL 60173-4360. 847-925-8070

Admission Requirements:

Admission is selective and based on academic credentials. To be considered for admission, please refer to the requirements posted on our webpage at: www.canton.edu/sci_health/vet/description.html

The pre-exposure rabies vaccine is required in the program. This is administered in a series of three vaccinations and must be completed during or prior to the semester the student is enrolled in **VSCT 115**

Program Requirements:

(Curriculum 0521) Semester I Credits VSCT 101 Fundamental Vet. Nursing Skills I2 VSCT 103 Intro. to Animal Agriculture 2 BIOL 150 College Biology I.....4 CHEM 150 College Chemistry I4 ENGL 101 Expository Writing OR ENGL 101Composition & the Spoken FYEP 101 First Year Experience......1 16

Semester II

VSCT 104 Veterinary Office Practices .1

I	VSCT 112 Veterinary Clinical
	Pathology I3
	VSCT 114 Animal Anatomy &
	Physiology3
	VSCT 115 Fundamental Vet. Nursing
	Skills II2
	VSCT 212 Research Animal
	Techniques1
	VSCT 201 Veterinary Technology
	Preceptorship I1
	BIOL 209 Microbiology4
	Liberal Arts Elective
	(GER 1, 4, 5, 6, 7, 8, 9) <u>.3</u>
	18
	Semester III

emester III

VSCT 202 Veterinary Clinical	
Pathology II	.3
VSCT 203 Small Animal Medicine &	
Therapeutic Techniques	.3
VSCT 204 Large Animal Medicine &	
Therapeutic Techniques	. 2
VSCT 205 Radiographic Techniques	. 2
VSCT 206 Anesthetic Principles	.3
VSCT 207 Health & Disease of Farm	
Animals	.3
VSCT 209 Veterinary Technology	
Preceptorship II	. 1
	17
Semester IV	
VSCT 210 Veterinary Microbiology	.3
VSCT 211 Animal Hospital Practices	

and Procedures *.....3

VSCT 213 Practical Nutrition.....2 VSCT 214 Veterinary Pharmacology...2 PSYC 101 Introductory Psychology3

- * Fulfills writing intensive requirement. - Of the courses with the VSCT prefix, any
- course may only be repeated one time.
- all specified curriculum courses prefixed with VSCT in order to progress in the program.
- the Professions requires persons applying for licensure to answer questions related to a conviction of a crime or professional misconduct. Student Learning Outcomes can be found at

www.canton.edu/sci_health/vet_tech/. Residency Requirement: In order to

graduate from the Veterinary Science Technology program, students must successfully complete SUNY Canton's VSCT 211 and at least 9 other hours of graded course work with a VSCT prefix in order to fulfill the residency requirement.

Programs

Electrical Construction & Maintenance-Certificate

The Electrical Construction & Maintenance (EC & M) program prepares students to work in building trades with

the installation and testing of electrical power distribution and an emphasis placed on residential construction applications. Students are also introduced to commercial applications and building codes. At the successful completion of this one-year program, students will earn the EC&M certificate.

Students In This Certificate Program:

- · Install wiring systems and equipment in buildings.
- · Connect electrical devices in accordance with the NEC (National Electrical Code).
- · Perform routine maintenance on motors and transformers.
- Install motor control circuits.

Career Opportunities:

- · Electrical Apprentice
- Electrician • Plant Maintenance Technician
- Electrical Supply Counter Person
- and Sales Support Person • Electrical/Electronic Assembly
- Security Systems Sales and Service Representative
- Power Corporation Service Representative
- Entrepreneurship

Career Outlook:

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• The construction industry continues to exhibit a demand for skilled electrical technicians.

Recent Employers Of SUNY Canton Graduates:

- · International Brotherhood of Electrical Workers
- Niagara Mohawk Power Corporation • Novelis
- Smith Building Supply
- NYSEG
 - S & L Electric

Transfer Opportunities:

- Approximately 50% of EC&M graduates choose to pursue further education full time at:
- SUNY Canton-AAS degree programs and other certificate programs
- · Rochester Institute of Technology
- SUNY Utica/Rome, Oswego Students completing two one-year

Certificate programs in the Canino School of Engineering Technology can graduate with two Certificates and an Associate in Applied Science degree by completing the requirements of the Individual Studies (Eng) AAS program while pursuing the second technical certificate.

Admission Requirements:

· Students are expected to have demonstrated academic success in high school and/or prior college experience.

Program Requirements:

Credits
7
l i
3
3
e for
1
14
7
3
3
<u>.3</u>

*Mathematics levels depend on previous preparation. Students who are unprepared to enter MATH 101 will be required to first complete MATH 099 Foundation of Applied College Mathematics.

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Student Learning Outcomes can be found at www.canton.edu/csoet/ecm.html.

Those graduates who show sufficient interest and aptitude may qualify for entry into one of the associate degree programs.

Additional Graduation Requirements

While at SUNY Canton students must have completed course ELEC 172 and earn a minimum GPA of 1.75.

Gainful Employment information is available at: www.canton.edu/academics/ge/ecm.html

Practical Nursing-Certificate

Students In This Certificate Program:

- Demonstrate appropriate care to clients with stable and predictable conditions.
- Understand client disorders and nursing care utilizing current evidence based practice.
- Demonstrate developmentally appropriate, respectful and effective therapeutic communication skills.
- Identify clinical scenarios and situations that fall outside of the PN scope of practice.
- Demonstrate, proper technique with nursing skills, use of client care equipment and technology in a cost effective manner.
- · Comprehend client environmental factors, family support, and resources that may affect a client's health status.
- Demonstrate accountability for legal, ethical, and regulatory parameters within the scope of practice of the practical nurse.
- Operate effectively within multidisciplinary teams, fostering open communication, mutual respect, and shared decision-making to provide comprehensive client centered care.

CERTIFICATE

-Students are required to earn a C or better in -The NYS Education Department Office of

- Collect data and health histories for individuals using standardized tools in an organized pattern, thereby contributing to nursing care plan.
- Demonstrate caring behaviors toward clients and his/her significant others, thereby assisting coping with stressful events and changes in health status.
- Implement standardized teaching tools to promote and maintain health and to reduce risks for clients experiencing common altered health states in the hospital and extended care facilities.
- Observe, reflect, and participate in self-performance and peer-to-peer teaching.

Career Opportunities:

- Acute care
- Long-term care
- Clinic settings
- Physician Offices
- Hospice
- Community Health
- Mental Health

Transfer Opportunities:

• Graduates of the Practical Nursing program are able to transfer into an associates degree or baccalaureate degree nursing programs.

ACCREDITATIONS:

- Registered by the NYS Education Department, Office of the Professions State Education Building-2nd Floor, Albany NY 12234, and phone: 518-474-3817.
- Accredited by the Accreditation Commission for Education in Nursing, 3390 Peachtree Road, Suite 1400, Atlanta, Georgia 30326, and phone: 404-975-5000.

Admission Requirements:

Admission requirements can be found online at: www.canton.edu/sci_health/ practical-reqs.html

Program Requirements:

(Curriculum 0938)	
Semester I	Credits
LPNC 100 Drug Dosage Calc. &	
Pharm	3
LPNC 101 PN Fundamentals	8
BIOL 217 Human Anatomy &	
Physiology I	4
ENGL 101 Composition & Spoker	n
Word	3
	18
Semester II	

PSYC 101 Introduction to Psychology <u>.3</u> 18

-Students must complete all LPNC courses with a minimal grade of C+ in order to graduate and corequisite courses with a grade of C or better.

- -GPA of 2.0 or better is required to continue in the program.
- -Of the two clinical practical nursing courses (LPNC 101, LPNC 103), only one may be repeated one time.
- -Students will complete clinical experiences in hospitals, long-term care facilities, and community agencies throughout Northern New York. Clinical hours may include day, evening, and weekend hours. The college does not provide transportation to clinical sites.
- Residency Requirements: Students must complete SUNY Canton's LPNC 102 and LPNC 103 in order to complete the program residency requirements.
- -Enrolled students are required to purchase a standardized testing program. A tablet or laptop computer is required.
- -CPR certification (Health Provider Status) is required prior to admission and throughout the program.

Gainful Employment information is available at: www.canton.edu/academics/ge/pn.html

Academic Minors

A minor is a course sequence within an area of study providing a degree of specialization within that area, a specialty within a discipline, or a specialty integrating several disciplines. Minors will contain a balance of introductory and advanced coursework. Minors are designed to be completed within the same time frame allowed for the completion of the baccalaureate degree. A minor must be declared while the student has at least 45 credit hours left to enroll in before qualifying for graduation. After matriculating in a program, students wishing to obtain a minor shall contact the coordinator of the minor to initiate the process. A minor will consist of a minimum of 18 credit hours, at least 9 of which will be upper division courses; a minimum of 12 credit hours of a minor must be completed in courses offered at SUNY Canton. At least 9 credit hours must not be required courses in the student's major program. major, students may be permitted to postpone their graduation if they wish to take extra course(s) to earn their minor. IMPORTANT! Before making that decision however, it is strongly recommended that students consult with a Financial Aid and/or Student Accounts Counselor

ACADEMIC MINOR IN A BACCA-LAUREATE DEGREE

A minor must be declared while the student has at least 45 credit hours

left to enroll in before qualifying for graduation.

ACADEMIC MINOR IN AN ASSOCI-ATE DEGREE

A minor must be declared while the student has at least 15 credit hours left to enroll in before qualifying for graduation.

ACCOUNTING

The Accounting Minor adds to the skillset and marketability of students preparing the enter the worlds of business and management. Accounting Minors advance their foundational accounting acumen by completing three required accounting courses (ACCT 300, ACCT 302, & ACCT 306) and three accounting electives that reflect their respective areas of interest. The Minor is available to any matriculated SUNY Canton student. Many students choose to pair enrollment in the Accounting Minor with enrollment in the Management, Finance, Legal Studies, or Health Care Management Program.

MINOR REQUREMENTS:

inition ne gone interio.	
Credits	
ACCT 300Intermediate Accounting I3	
ACCT 302Intermediate Accounting II.3	
ACCT 306Cost Accounting3	
SELECT THREE COURSES	
ACCT 242 Accounting for	
Government and Nonprofit	
Organizations3	
ACCT 310Accounting Information	
Systems	
ACCT 335 Individual Taxation3	
ACCT 430 Auditing3	
ACCT 440 Advanced Financial	
Accounting3	
BSAD 305 Public Budgeting and Fiscal	
Mgmt3	
BSAD 365 Financial Statement	
Analysis3	

Aging in Society

People are living longer, and the number of older persons is increasing. These trends are evident in American society, as well as in many developed countries around the world. In the U.S., life expectancy has increased, from approximately 45 years of age in 1900 to more than 75 years now. At the beginning of the 21st century, one in eight people in the U.S. was over 65. And the age group growing fastest in our society and in many other countries is the "very old," people aged 85 and over.

This growth in our elderly population will continue into the future. By the middle of the 21st century, one in five Americans will be over 65, and there will be 15 to 18 million persons over the age of 85. These growth trends will result in a demand for both citizens and professionals with knowledge and expertise in the subject of aging. The area of Social Gerontology will offer expanded career opportunities for the disciplines and professions who will serve our older population (The Association for Gerontology in Higher Education, 2014).

MINOR REQUIREMENTS:

Credits
HLTH 104 Intro. to Gerontology3
SOCI 101 Introduction to Sociology
SELECT FOUR COURSES
Only one additional 100 level course
can be chosen; three must be upper
level- 300 or above
FSAD 307 Human Responses to
Death3
HEFI 202 Health and Wellness Across
the Lifespan3
HLTH 103 Health Current Perspectives
and Practical Applications 3
HLTH 212 Happiness, Health and
Wellbeing
GRST 201 Introduction to Gender
Studies
HUSV 201 Introduction to Human
Services
PSYC 225 Human Development3
SOCI 105 American Social Problems .3
SOCI 210 Sociology of the Family3
SOCI 313 Women and Ageing3
SOCI 320 Sociology of Health, Illness
and Health Care3
SOCI 330 Sociology of Gendered
Lives3
SSCI 315 Death, Dying and
Bereavement3

Applied Physics

Psychology is the science of behavior and mental processes, and its applications are relevant to many different fields of study. The Minor in Applied Psychology is designed to complement the training and education students receive in their respective academic majors, particularly in terms of describing, predicting, understanding, and explaining human behavior. The minor is organized so that students have a choice regarding the content that is most applicable to their own interests (and major). The requirements are 18 credit hours, from the following designations:

MINOR REQUIREMENTS:

Credits
PHYS 121 College Physics OR
PHYS 131 University Physics I4
PHYS 122 College Physics II OR
PHYS 132 University Physics II4
PHYS 202 Modern Physics
PHYS 301 Introduction to Photonics 3
SELECT TWO COURSES
PHYS 330 Intro to Classical
Mechanics3
PHYS 340 Electromagnetism3
PHYS 410 Solid State Science3
PHYS 420 Intro to Quantum
Mechanics3
AREA 320 Experimentation and
Measurement I3
MECH 342 Thermodynamics3

Applied **P**sychology

Psychology is the study of the mind and behavior. As a science and profession, psychology is relevant to any major that involves understanding, helping, communicating, and working with others, including (but not lim-ited to) Nursing, Criminal Justice, Health and Fitness Promotion, Homeland Security, Sports Management, Legal Studies, Management, and Health Care Management.

The purpose of the Minor in Applied Psychology is to provide students pursuing other academic majors with the opportunity to: (1) broaden their understanding of psychological principles, theories, and methods; and (2) apply this understanding to their future career path. In particular, the focus of this minor is on so-cio-developmental processes and applications to real life and career settings.

MINOR REQUIREMENTS

PSYC 101 Introduction to Psychology. Select two lower level courses:	3
PSYC 225 Human Development	2
PSYC 275 Abnormal Psychology	3
ABAP 245 Introduction to Applied	_
Behavior Analysis	3
HUSV 201 Introduction to Human	
Services	3
Select three upper level courses	
PSYC 300 Cultural Psychology	3
PSYC 308 Personality & Individual	
Differences	3
PSYC 315 Crisis Intervention	
PSYC 340 Social Psychology	
PSYC 406 Workplace Psychology	
PSYC 420 Counseling Skills &	
Procedures	2
HEFI/PSYC 320 Psychology of Health	
and Fitness	3
HUSV 305 Professional and Ethical	_
Responsibilities	
HUSV 315 Mental Health Practice	3
JUST 331 Profiling and Behavioral	
Criminology	3
SPMT 330 Sport Psychology	
SSCI 370 Research Methods in Social	
Sciences	

CORRECTIONS

The corrections minor provides an overview of interworking's of the corrections system, including challenges and opportunities present within both institutional corrections and community-based correctional environments. This minor is suited for students interested in preparing for career opportunities with the criminal justice system. Courses within this minor focus on understanding the care, custody and control aspects of working with offenders involved in the criminal justice system.

MINOR REQUIREMENTS

Credits JUST 105 Correctional Philosophy.....3 JUST 211 Intro to Probation & Parole 3 Select One course:

JUST 341	Corrections Management	
	and Administration	3
JUST 307 I	Penology	3
JUST 311	Alternatives to	
	Incarceration	3
JUST 313	Juvenile Justice	3
JUST 322	Gender and the CJ System 3	3
JUST 340	Legal Issues of the Penal	
	Syst	3
JUST 341	Corrections Manag &	
	Admin	3
JUST 349	Vulnerable Populations in	
	CJ	3
JUST 431	Culminating Exp in	
	Corrections	3

CRIMINOLOGY

Credits

This minor will provide students with an opportunity to further examine the relationship between victims, offenders and community members-at-large. An interdisciplinary approach is utilized to allow students the ability to examine this broad topic from the perspective of literature, psychology, and history while furthering theoretical studies in the field of criminal justice.

MINOR REQUIREMENTS
Credits
JUST 310 Causes of Crime3
JUST 202 Intro to For Criminology 3
SELECT FOUR COURSES
Students must choose three for a total
of nine credit hours.
JUST 316 Sex Offenders3
JUST 324 Serial Murderers and Their
Victims
JUST 331 Profiling and Behavioral
Criminology
ENGL 305Perpetrators and Their
Victims
PSYC 275 Abnormal Psychology3
JUST 307 Penology
JUST 349 Vulnerable Populations in CJ3
JUST 350 Victimization3
JUST 347 Research Methods in Crim &
CJ3

CRIMINAL JUSTICE Administration

The Criminal Justice Administration minor provides an opportunity for students to acquire a general knowledge of the administrative duties within the Criminal Justice System. This minor is a blend of foundational courses in the areas of business, math and criminal justice; along with supplementing with upper level program electives which will enhance the student's understanding and ability better prepare them for supervisory positions in the field of criminal justice.

MINOR REQUIREMENTS

~	Credits
MATH 141 Statistics	3
JUST 314 Ethics in CJ	3
SELECT THREE COURSES	
Students must choose three for a	total

of nine credit hours.

JUST 321	Managing Law Enforcement
	Training3
	Managing Patrol Functions 3
JUST 335	Criminal Justice Agency
	Mgmt3
JUST 344	Civil Liability for the CJ
	Administrator3
JUST 315	Constitutional Law3
JUST 341	Corrections Manag &
	Admin3
JUST 353	Criminal Justice Tech3
JUST 449	Current Issues in LE3

CYBERSECURITY

The Cybersecurity minor program will equip students with the necessary skills to pursue a career with additional Cybersecurity knowledge/ skills needed in various industries. For example, healthcare records represent an extremely attractive target for cyber criminals, containing as they do various bits of sensitive information like Social Security numbers all in one place. The challenge for professionals working in the healthcare industry is that they just improve data protection without impeding healthcare professionals' speedy access to potentially life-saving patient information.

MINOR REQUIREMENTS

Credits CYBR 165 Survey of Cybersecurity......3 CYBR 250 Information Security3 CYBR/CITA 352 Ethical Hacking and Knowledge......3 SELECT ONE COURSE Students must choose one for a total of three credit hours. MATH 351 Discrete Mathematics 3 CYBR 360 Cryptology in Theory and Practice3 CYBR 365 Digital Forensic Analysis 3 CYBR 455 Access Control, Authentication, and PKI....3 SELECT ONE COURSE Students must choose one for a total of three credit hours. CYBR 354 Incident Response and

CITA 440 Network Mgmt. AND......3 CITA 441 Network Mgmt. Lab1

EARLY CHILDHOOD STUDIES

The Minor in Early Childhood Studies offers a broad course of study in early childhood history, theory, child development, teaching, programming, and the importance of high quality early care and education experiences, with a focus on children from infancy to age five. Students can select specific courses based on their area of interest. Students will complete 18 credits. Nine credits must be upper level [300 or 400] courses.

MINOR REQUIREMENTS

Cicuit	s
ECHD 101 Introduction to Early	
Childhood	3
PSYC 101 Introductory Psychology	3

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SELECT FOUR COURSES

Student must complete 4 courses from those listed below; 3 courses must be 300 or 400-level courses.

ECHD 121 Wellness in Young
Children: Promoting
Health, Safety, and
Nutrition3
ECHD 131 Infants and Toddlers3
ECHD 250 Children with Special
Needs
ECHD 285 Issues and Policies in Early
Care and Education3
EDUC 210 Principles of Education3
PSYC 220 Child Development OR
PSYC 225 Human Development3
ECHD 301 Fostering Relationships in
Early Childhood Programs3
ECHD 340 Policies and Regulations in
Early Childhood Settings 3
ECHD 401 DAP Learning
Environments,
Infants - Age 53
ECHD 402 Early Literacy and
Language Development 3
ECHD 404 Positive Child Guidance 3
BSAD 340 Management
Communications
HIST 375 History of Childhood and
Youth in the United States.3
rount in the United States, 5

ECONOMICS

The Economics minor is applicable to all students who would like to broaden their knowledge of economics. It is a common minor for students majoring in business, management and finance. It provides students with analytical and problem-solving skills in applied economics fields such as economic development, economics of crime, environmental economics, financial economics, global economy, health economics, labor economics, managerial economics, public economics, and other areas. Six courses (18 credits) must include ECON 101, ECON 103, ECON 314, and ECON 315.

MINOR REQUREMENTS

Credits
ECON 101 Principles of
Macroeconomics
ECON 103 Principles of
Microeconomics
ECON 314 Managerial Economics3
ECON 315 Global Economy
SELECT TWO COURSES

Any course with an ECON (and FSMA/ECON 330) designation may be used as an optional course in the minor. For students not in Finance, Principles of Banking and/or Global Finance, may be used as optional course(s) in the minor. At least one optional course must be at the upper level.

ENVIRONMENTAL TECHNOLOGY

As global awareness of environmental issues increases, the environmental sector has emerged as a leading discipline in the science and engineering fields. As the environmental market continues to grow, so does the demand for trained environmental engineers, environmental engineering technicians, and environmental scientists. The Environmental Technology minor is designed for students in complimentary disciplines to diversify their background, providing them with knowledge and skills in areas related to air, water, and soil. A minor in Environmental Technology provides students with a more in-depth understanding of environmental related standards and regulations, resource management, water and soil resources, characterization and treatment of water and soil, and field/lab techniques. The Environmental Technology minor provides a way for students to formally demonstrate competency in these areas and will make them competitive and highly sought after in today's market.

MINOR REQUIREMENTS:

A minimum of 19 credit hours is needed
to complete the minor in Environmental
Technology as follows:
Core Requirements Credits
CONS 285 Engineering Geology OR
ESCI 107 Earth Science OR4
GEOL 103* Physical Geology3
ELECTIVE COURSES
CONS 101 Elementary Surveying4
CONS 314 Soil Mechanics
CONS 350 Intro to GIS OR3
GEOL 340* Geographic Information
Systems4
CONS 385 Hydrology and
Hydrogeology4
CONS 386 Water Quality4
CONS 387 Water and Wastewater
Treatment3
CONS 388 Environmental Law2
CONS 485 Solid Waste Management. 3
CONS 486 Soil and Groundwater
Remediation3
CONS 487 Water Resources,
Management, and Design 3
Future courses developed by SUNY Canton's
Civil and Environmental Technology
program or other related courses - will require
approval by minor coordinator at SUNY

*Course offered at SUNY Potsdam, through the Department of Geology

FINANCE

Canton

The Finance minor will complement the skills the student gains in his or her major discipline by providing a study of financial theory and practice associated with the allocation of financial resources in a business environment. This minor shall consist of a minor of 18 credit hours, at least half of which shall be upper division courses. A minimum of 12 credit hours of the minor must be completed in courses offered at SUNY Canton. At least 9 credit hours must not be required courses in the student's major program.

FSMA 422 Risk Management3

Forensic Science

The Forensic Science minor provides an opportunity for students to delve further into the field while still completing a degree in their primary area of interest. The Forensic Science minor is a blend of applied courses providing the student with an overview of the various disciplines, including forensic chemistry, fingerprints, questioned documents, taphonomy, and the autopsy process.

MINOR REQUIREMENTS

Credits	
JUST 210 Introduction to Forensic	
Investigations	
CHEM 100/101 Introduction to	
Chemistry OR	
CHEM107/108 Forensic Chemistry4	
SELECT FOUR COURSES	
JUST 300 Forensic Photography3	
JUST 301 Latent Prints and	1
Impressions3	1
JUST 320 Medicolegal Investigation of	
Death3	
JUST330 Questioned Documents 3	
JUST 353 Criminal Justice	
Technology3	
CYBR 365 Digital Forensics3	
JUST370 Forensic Taphonomy3	
JUST410 Clandestine Graves3	
JUST 411 Forensic Drug Analysis	
& ID3	
JUST 412 Firearms & Toolmark ID3	1
JUST 426 Ethics in Forensic Science3	

Fraud Examination

The Fraud Examination Minor is attractive to students who wish to pursue a career in civil or criminal fraud investigation and white-collar crime investigations in the public or private sector. This minor provides students, particularly those in baccalaureate degree programs in Management, Finance, Legal Studies, Criminal Investigations and Criminal Justice: Law Enforcement Leadership, an opportunity to develop a degree concentration in fraud examination. A minimum of 12 credit hours of the minor must be completed in courses offered at SUNY Canton. At least 9 credit hours must not be required courses in the student's major program.

MINOR REQUIREMENTS:

Credits
ACCT 245Forensic Accounting3
JUST 110 Criminal Law3
JUST 485 Fraud Exam. and
Investigation3
SELECT THREE COURSES:
ACCT 430Auditing 3
BSAD 319 Professional Ethics OR
JUST 314 Ethics in Criminal Justice 3
ECON 305 Economics of Crime 3
FSMA 312 Financial Management 3
FSMA 325 Financial Compliance and
Reg3

0 1

JUST 303 Investigative Interviews 3

Gender Studies

The Gender Studies Minor is committed to broadening women's and men's knowledge and awareness of issues concerning or related to gender. From an interdisciplinary approach, the minor provides a variety of courses that emphasize the gender experience from both national and global perspectives.

MINOR REQUIREMENTS:

Credits GRST 201 Intro to Gender Studies.....3 Select five courses (Three must be Upper Level -300 or higher) ENGL 267Masculinity Studies in American Literature & Culture.....3 ENGL 304LGBTQ Lives and Literature3 ENGL 340American Women Writers..3 HIST 204 U.S. Immigration History: Race, Class and Gender .. 3 HIST 304 U.S. Women's History3 SOCI 210 Sociology of the Family.....3 SOCI 300 Race and Ethnic Relations..3 SOCI 305 Gender in the Media3 SOCI 313 Women and Aging3 SOCI 330 Sociology of Gendered Lives 3

Graphic and Multimedia Design

Students looking to enter the fields of news reporting, journalism and engineering can obtain additional skills in design, photo, and video that will enhance their marketability to prospective employers. Graphic and Multimedia Design minor students will have the opportunity to learn design and layout in the Adobe Suite of software including Photoshop, Illustrator and InDesign, as well as video production and web design and development.

MINOR REQUIREMENTS

Credits GMMD 102 Intro to Design.......3 GMMD 201 Digital Photography......3 GMMD 302 Professional Photography3

Healthcare Management

The Health Care Management minor is available to any SUNY Canton student interested a learning more about managing healthcare organizations. The minor allows students to explore the current financial, legal, and management issues modern healthcare organizations face.

MINOR REQUIREMENTS:

Credits
BSAD 310 Human Resource
Management3
HSMB 101 Intro to Health Services
Mgmt3
HSMB 301 Public Health Issues3
HSMB 307 Health Care Facility
Administration3
SELECT TWO COURSES
HSMB 302 Legal & Ethical Issues in
Health Care3
HSMB 305 Managed Care3
HSMB 307 Health Care Financing 3

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HISTORY

The Minor in History offers a broad course of study in Europe, American, and World History. Students can select specific course based on their area of interest. Students will complete a minimum of 18 credits, with at least one course from each of the three areas and at minimum, two upper level [300 or 400] courses from those listed below. * 9 credits of minor coursework must be at the upper-division level

- HIST 307 American Thought since
- HIST 375 History of Childhood and
 - Youth in the United States.3

HOMELAND SECURITY

The Homeland Security Minor is most appropriate for students in public safety disciplines wishing to enhance their credentials in this important and growing area of study. Students in health, engineering tech-nologies, legal studies, or business may also benefit from this minor. The course of study provides a survey of the issues in Homeland Security through the lens of the history of terrorism with applied courses supporting theoretical study in the discipline. While the focus of study is the responsibility of law enforcement in Homeland Security, other disciplines will find the topics interesting and timely.

MINOR REQUIREMENTS:

Credits JUST 230 Fundamentals of HS......3 JUST 326 Threats to Homeland Sec...3

Select Four Electives

JUST 355 Public Safety Critical Incident
Response
JUST 375 Methods of Terrorism
Through the Ages
JUST 380 Civil Liberties & Homeland
Sec3
JUST 402 Crime Mapping3
JUST 415 Emerging Issues in HS3
JUST 420 Corporate Role in HS3
JUST 425 LE Intelligence Systems
in HS3
LEST 375 Law of Immigration &
Border Control3

Hospitality Management

The U.S. Bureau of Labor Statistics (BLS, 2013) considers the travel and tourism industry as a "top 10 industry in the U.S." With the hospitality industry growth rate on the upswing, the importance of recruiting and retaining trained employees is a high priority. This minor allows students to build a secondary area of expertise in support of or in addition to their major discipline. This minor is also a pertinent supplement for students who wish to pursue a career in the hospitality industry. * 9 credits of minor coursework must

be at the upper-division level

MINOR REQUIREMENTS (18 credits) Cradite

Credits	
BSAD 201 Business Law I OR	
BSAD 202 Business Law II3	
BSAD 206 Introduction to Hospitality	
Management3	
BSAD 302 Customer Service and	
the Guest Experience in	
Hospitality3	
BSAD 303 Global Tourism -	
Perspectives and Practices.3	
BSAD 306 Food and Beverage	
Management3	
BSAD 407 The Meeting, Expositions,	
Events, and Conventions	
Industry3	

LEGAL STUDIES

A minor in Legal Studies will help students to reap the benefits and avoid the pitfalls of the law as it may apply to their chosen major.

MINOR REQUIREMENTS:

	Credits
LEST 101	The American Legal System3
	Business Law I3
	Constitutional Law3
SELECT TH	HREE ELECTIVES
(Two must	be Upper Level -300 or
N.	higher)
BSAD 202	Business Law II3
LEST 221	Criminal Practice3
LEST 320	Negligence and Intentional
	Torts3
LEST 350	Civil Litigation3
LEST 360	Family Law3
LEST 370	Real Property3
LEST 375	Immigration Law and Border
	Control3
LEST 380	Wills, Estates and Trusts3
LEST 388	Environmental Law3
LEST 410	American Indian Law and
	Fed. Policy3

MANAGEMENT INFORMATION SYSTEMS

The Management Information Systems Minor offers students the opportunity to broaden their disciplinary program with material and skills widely useful in the business world. Information technology has been the driving force behind the new economy. It has enabled companies to make tremendous strides in productivity, opened new markets and channels, and created new products and services. While one part of the information revolution has been advances in hardware and software, another major advance has been in how information is organized and used to make effective decisions. This program helps students to broaden their exposure to information technology and its use in business and industry.

MINOR REQUIREMENTS:

Credits
MINS 300 Management Information
Systems3
MINS 305 Customer Relationship
Management3
MINS 315 Decision Support Systems3
MINS 425 Enterprise Resource
Planning3
MINS 430 Data and Knowledge
Management3
SELECT ONE COURSE
BSAD 345 Technological Innovations
and Entrepreneurship3
BSAD 372 E-Commerce
BSAD 373 International Business
Management3
BSAD 375 Leadership and Change 3
CITA 330 Emerging Information
Technology Applications3
CITA 400 Quantitative Approaches to
Management3
CITA 460 Information Technology and
Networked Economy3

MARKETING MANAGEMENT

The Marketing Management Minor provides a path for students who wish to expand and enhance their marketing skillset. The areas of focus include: advertising and promotion, consumer behavior, retail management, and sales. Students have the opportunity to customize their minor by selecting two elective courses. The Marketing Management Minor may be paired with any bachelor degree program offered at SUNY Canton, though it is best suited for business and sports management majors. Students are encouraged to enroll in the minor as early as possible to ensure efficient pairing of the Marketing Management Minor with their respective major.

MINOR REQUIREMENTS:

BSAD 203 Marketing 3 BSAD 220 Principles of Retailing OR BSAD 222 Principles of Selling 3 BSAD 322 Advertising and Promotion. 3 BSAD 325 Consumer Behavior 3 BSAD 220 Principles of Selling 3 ELECTIVE COURSES (select two courses) *BSAD 220 Principles of Retailing 0R *BSAD 220 Principles of Selling 3 BSAD 30 Sales Force Management 3 BSAD 372 E-Commerce 3 BSAD 411 Marketing Research 3 BSAD 425 New Product Marketing 3 BSAD 372 E-Commerce 3 BSAD 425 New Product Marketing 3 BSAD 425 New Product Marketing 3 BSAD 411 Marketing Research 3 BSAD 425 New Product Marketing 3 BSAD 411 Marketing Research 3 BSAD 412 Sports Marketing 3 SPMT 307 Sports Marketing 3 SPMT 312 Sports Entrepreneurship 3 SPMT 412 Sports Sales and 3 SPMT 430 Advanced Sports Marketing 3 SPMT 430 Advanced Sports Marketing 3 SPMT 430 Advanced Sports Marketing </th <th></th> <th>Credits</th>		Credits
*BSAD 220 Principles of Retailing OR *BSAD 222 Principles of Selling	BSAD 220 Principles of Retailing BSAD 222 Principles of Selling BSAD 322 Advertising and Promo	OR 3 otion.3
and Sales3	*BSAD 220 Principles of Retailing *BSAD 222 Principles of Selling BSAD 330 Sales Force Managem BSAD 372 E-Commerce BSAD 411 Marketing Research BSAD 425 New Product Marketin SPMT 307 Sports Marketing BSAD 425 New Product Marketin SPMT 307 Sports Marketing SPMT 307 Sports Marketing SPMT 312 Sports Entrepreneursh SPMT 412 Sports Sales and Sponsorships SPMT 430 Advanced Sports Market	OR

* A given course may be used as either a

required or elective course, but not both

MATHEMATICS

The study of mathematics develops the logic and reasoning skills that provide the tools for making decisions, interpreting observations, explaining natural phenomena, and solving problems. The Mathematics Minor provides a way for students to formally demonstrate competency in using mathematics. The minor is important for prospective employers and for use when students consider a transfer to other educational institutions. The Mathematics Minor is an important tool for the growing number of technology and business 4-year programs.

MINOR REQUIREMENTS: A minimum of 20 credit hours is needed to complete the minor in Mathematics as follows:

CORE REQUIREMENTS	Credits
MATH 141 Statistics I	3
MATH 161 Calculus I	4
MATH 162 Calculus II	4
Select Three Courses	
(at least 2 must be MATH designed	1)

(at least 2 must be MATH designated)

MATH 263 Calculus III4
MATH 341 Statistics II3
MATH 351 Discrete Mathematics3
MATH 361 Linear Algebra3
MATH 364 Differential Equations4
MATH 371 Graph Theory3
MATH 461 Advanced Calculus4
*Business, computer, engineering, phys-
ics courses in which mathematics plays a
significant role may be selected with approval

ic SI by the mathematics department

SOCIOLOGY

This minor focuses on the systematic study of human social institutions and social relationships. Includes instruction in social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.

Students will take a minimum of 18 credit hours from the categories below.

Carlin

MINOR REQUIREMENTS

Credits
SOCI 101 Introduction to Sociology3
SSCI 370: Research Methods in Social
Sciences3
Select 1 Lower Level Elective
SOCI 105: American Social Problems 3
SSCI 181: Alcohol, Drugs & Society 3
SSCI 271: Contemporary Global
Issues
SPMT 202: Sports in Society3
Select 3 Upper Level Electives
PSYC 300: Cultural Psychology3
SSCI 315: Death, Dying and
Bereavement3
SOCI 300: Race & Ethnic Relations 3
SOCI 305: Gender in the Media3
SOCI 313: Women & Aging3
SOCI 320: Sociology of Health, Illness,
Healthcare3
SOCI 3/4@ Special Topics Courses:
391-395; 491-4953

SUSTAINABILITY

Environmental Sustainability, the effort towards continuing economic, professional and national growth in a generational and environmentally responsible manner, is increasingly entwined with all professional fields and industries. Resource limitations, national/international demand and population growth will continue to assert its resulting implications on contemporary lifestyles and economy. Graduates who are well versed in sustainability concerns will be more competitive in the job market.

MINOR REQUIREMENTS

Credits ESCI 101 Intro. to Envir. Science3 ESCI 102 Intro. to Environmental Science Lab1 GMMD 421 Sustainability Design3 SELECT FOUR ELECTIVES (Two must be Upper Level - 300 or higher)

ANTH 102 Introduction to Cultural
Anthropology3
AREA 110 Intro To Alternative Energy.3
AREA 110 Inito to Alternative Energy.3
EADM 205 Risk & Hazard Impact
Studies
ECON 201 Economics and Social
lssues3
GMMD 101 Introduction to Media
Studies3
HIST 101 History of Western Heritage3
POLS 101 Introduction to Political
Science3
SOCI 105 American Social Problems .3
SOCI 250 Sociology of a Mass Media 3
SSCI 271 Contemporary Global
lssues
BSAD 319 Professional Ethics
BSAD 325 Consumer Behavior3
BSAD 375 Leadership and Change 3
ECON 320 Environmental Economics. 3
ESCI 320 Weather, Climate and
Climate Change3
GMMD 302 Digital Photojournalism3

VETERINARY SERVICE Administration

The Veterinary Service Administration Minor provides students with an interest in Business and/or Veterinary Technology with a background in Business and Accounting, then turns the focus to Veterinary Management specifically. This Minor allows students with the desire to manage a veterinary clinic or other animal care facility to prepare themselves to undertake a position in this area of management.

MINOR REQUIREMENTS:

Credits
ACCT 101Foundation of Financial
Accounting4
BSAD 201 Business Law I3
BSAD 310 Human Resource
Management3
VSAD301 Veterinary Practice
Management3
VSAD 302 Animal Care Institution
Management3
VSAD 402 Veterinary Business &
Financial Management3
-

Credits

WELLNESS

18 credits total, 9 credits must be Upper Level

Required Credits WÉLL 380 Foundations in Mind-Body Health and Wellness OR WELL 382 The Limitless Mind 3**

Optional

Any course listed below to get to 18 credits (9 credits U/L)

* Up to three credits total

** Both can be taken for credit (only one is **REQUIRED**)

Courses:

- WELL 101 Yoga1 WELL 102 Personal Fitness1 WELL 103 Practicing Mindful Living
- and Mindfulness1

 WELL 380 Foundations in Mind-Body Health and Wellness	WELL 104 Alternative Approaches to Mental and Physical Wellness1
on Dedication, Resilience and Mental Fortitude3 Any additional WELL course devel- oped can count towards minor PSYC 101 Introductory Psychology SPMT 202 Sport in Society HLTH 103 Health Current Perspectives (no enrollments) HLTH 104 Intro to Gerontology HLTH 175 Basic Nutrition HLTH 212 Happiness, Health, & Wellbeing HLTH 242 Botanical Medicine BIOL 117 Human Reproduction HEFI 201 Health and Wellness Promotion HEFI 202 Health and Wellness romotion HEFI 203 Motor Development SSCI 181 Alcohol, Drugs, and Society HEFI 375 Fitness and Sports Nutrition (with permission of instructor) HEFI 408 Community Wellness SOCI 320 Sociology of Health, Illness, and Health Care PSYC 320 Psychology	Health and Wellness3
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Writing and Communication

Safety

The Minor in Writing and Communication trains students in the written communication skills sought by employers and necessary for responsible citizenship. The coordinator will work with you to tailor a minor appropriate to your degree program, career plans, and personal interests.

Students will take a minimum of six of the courses designated below, with at least one course from each of the three areas:

MINOR REQUIREMENTS:

Credits
<u>Humanities</u>
ENGL 202Creative Non-Fiction3
ENGL 216Children's Literature3
ENGL 221 Creative Writing
ENGL 315Short Fiction: The Art of the
Tale3
ENGL 350Flash Fiction3
ENGL 351 Advanced Fiction
Workshop3
HUMA189 Acting and Improvisation .3
SPCH 104 Introduction to Speech3

Visual Communication/New Media TCOM 200 Narrative in Video Games 3 TCOM 290 Mobile Media Stories and Games.....3

TCOM 310 Identity in the Digital Age.3 TCOM 350 Electronic Literature: From Cybertext to Video Games 3

TCOM 360 Online Media and Popular
Culture3
Professional and
Intercultural Communication
AMSL 101 Introduction to American
Sign Language3
ENGL 301 Professional Writing and
Communication3
ENGL 302Global Englishes3
ENGL 309 Journalism
ENGL 380 Intercultural
Communication3
FREN 101 Contemporary French I3
LEST 330 Legal Writing
SPAN 101 Contemporary Spanish I3
SPAN 102 Contemporary Spanish II3

MICROCREDENTIALS

DEATH INVESTIGATION MICROCREDENTIAL

The Death Investigation microcredential provides knowledge needed in the employment field for crime scene and medical examinations involving a death. This microcredential is great for students enrolled in 4-year programs at SUNY Canton and/or individuals employed by military police and sworn law enforcement. Students must complete 6 credits to complete the credential. Students should enroll in the 3-credit required JUST 320, Medico-Legal Investigation of Death class and then select one of the two optional 3-credit classes based on career interest.

Credits **Required Courses** JUST 320 Medico-Legal Investigation of Death.....3

Select One JUST 422 Violent Crime Analysis......3 JUST 424 Cold Case Investigation.....3

DRONE SURVEILLANCE MICROCREDENTIAL

The Drone Surveillance microcredential provides knowledge needed in job duties where drone usage is required. This microcredential is great for students enrolled in 4-year programs at SUNY Canton and/or individuals employed by military police and sworn law enforcement. The credential can be earned by completing the 1 required course and 24 hours of non-credit drone and forensic map training.

- The non-credit training addresses specific skills associated with drone operation and 2D/3D crime mapping prior to enrollment in JUST 402 where specific skills aligned with the SLOs addressing crime mapping using multiple software systems, including tactical surveillance, and orthomosaic mapping are covered.
- Non-credit Training will include FAA regulations (Part 107), sectional charts, weather basics, TAF, flying basics, preprogrammed flights for 2D and 3D mock crime scenes, and Precision mapping to include CAD import.

Required Courses Credits JUST 402 GIS: Crime Mapping......3

EMERGENCY MANAGEMENT MICROCREDENTIAL

The Emergency Management microcredential is open to students enrolled in 4-year programs at SUNY Canton and/ or individuals employed in emergency management or emergency responder organizations, or anyone else interested. This microcredential is completed by enrolling in four, 3-credit required classes. This combination of courses gives students valuable knowledge in distinct phases of emergency management and are meaningful for extending a specific knowledge required in the employment field. Required Courses Credits

EADM 205 Hazard Assessment and Mitigation.....3 EADM 220 Emergency Planning3 EADM 222 Emergency Management

and Response.....3 EADM 320 Recovery and Resilience ... 3

FORENSIC ANTHROPOLOGY **MICROCREDENTIAL**

The Forensic Anthropology microcredential provides knowledge needed in the area of locating, excavating, collecting, and analyzing human remains. This microcredential is great for students enrolled in 4-year programs at SUNY Canton and/or individuals employed by military police and sworn law enforcement. The credential can be earned by completing the 3 required courses for a total of nine credit hours.

Required Courses

JUST 370	Forensic Taphonomy	3
	Clandestine Graves	
JUST 413	Human Identification	
	Methods	3

INVESTIGATIVE ANALYSIS **MICROCREDENTIAL**

The Investigative Analysis microcredential is targeted to students enrolled in the Bachelor of Technology in Criminal Investigation degree to recognize the completion of the five core block classes and hands-on labs. During Forensic Photography, Latent Prints & Impressions, Investigative Interviews, and Crime Scene Investigation the student is exposed to 60 hours of intensive, hands-on work per class and during Investigation of Death the student is exposed to 75 hours of course specific, hands-on work.

Required Courses

JUST 300	Forensic Photography3
JUST 301	Latent Prints and
	Impressions3
JUST 303	Investigative Interviews3
JUST 406	Crime Scene Investigations 3
JUST 408	Investigation of Death3

OTHER **P**ROGRAMS

ENVIRONMENTAL SCIENCE AND FORESTRY-2+2 COOPERATIVE **PROGRAM WITH SUNY-ESF, S**YRACUSE

SUNY Canton participates in a cooperative program with the SUNY College of Environmental Science and Forestry (ESF). By providing most of the required courses needed at ESF, this effort insures an easy transition into a student's junior (3rd) year at the College. SUNY Canton graduates attending ESF compete extremely well with students from other colleges.

Students enrolled in this program receive an AA degree in Liberal Arts and Sciences: General Studies. A student attending SUNY Canton is able to obtain all the necessary required courses for the various pre-environmental programs during two years1.

The ESF programs are: Aquatic and Fisheries Science, Conservation Biology, Environmental Biology, Environmental Science, Environmental Studies, Forest Ecosystems Science, Forest Resource Management, Landscape Architecture, Natural Resource Management, and Wildlife Science.

Students interested in this program need to apply for the Liberal Arts and Sciences: General Studies (Curriculum 0250) program. Call the Office of Admissions 315-386-7123/800-388-7123 for further details.

1Some curricula may require cross-registration to complete requirements.

FOREST TECHNOLOGY-1+1 **COOPERATIVE PROGRAM WITH** SUNY ESF, WANAKENA

SUNY Canton participates in a cooperative one-plus-one program with the Ranger School at the SUNY College of Environmental Science and Forestry (SUNY-ESF). Students who select this career goal complete one year at SUNY Canton and one year at the Ranger School in Wanakena, where they will choose between three academic concentrations: Forest Technology, Land Surveying Technology, or Environmental and Natural Resources Conservation. The degree of Associate in Applied Science is awarded upon graduation from SUNY-ESF . Graduates are prepared to seek positions as forest technicians, land surveyors, or field/ laboratory technicians, or to transfer to a four-year program at SUNY-ESF.

Students pursuing this program are admitted to SUNY Canton for the first year of enrollment and application must be made to SUNY-ESF for the second year. To learn more about the programs offered at Wanakena, visit www.esf. edu/rangerschool/programs.

Admissions Requirements:

• Prepared to take College Biology I -NYS Regents Biology score \geq 75; or

-Already passed Intro. to Biology

• Prepared to take at least Intermediate Algebra

· Prepared to take Expository Writing The following is the recommended first-year course of study for transfer to SUNY College of Environmental

Science and Forestry at Wanakena. (Curriculum 0620)

(Curraum 0020)	
Semester I	Credits
BIOL 150 College Biology	I4
ECON 101 Principles of	

Semester II

BIOL 155 College Biology II OR CHEM 155 College Chemistry II OR PHYS 121/125 College Physics I***....4 ENGL 202Creative Non-Fiction OR Writing Intensive English 3 MATH 121 College Algebra OR MATH 123 Pre-Calculus Algebra OR

General Elective General Elective (GER 3,4,5,6,7)****3 16-17 * Students interested in Environmental & Natural Resources Conservation take POLS 101 or POLS 105 In place of ECON 101. ** Students interested In the Land Surveying option must take MATH 123 in Semester I or II

*** Students interested in the Land Surveying Option must take PHYS 121/125 in Semester I or II.

**** HIST 103 or HIST 105 recommended as a GER elective.

Students planning to continue in the B.S. degree program in Forest Resources Management (SUNY-ESF) after earning an A.A.S degree in Forest Technology take BIOL 150, CHEM 150, ENGL 101, MATH 121, and PHYS 121 & PHYS 125 and MATH 121 in semester I; BIOL 155, ECON 101, ENGL 221, HIST 105, and MATH 161 in semester II.

POLICE ACADEMY PROGRAM

Ways in Which One May Enter the Academy:

- · Become a full-time student at SUNY Canton and enroll in the Criminal Justice curriculum with the Police Academy curriculum coordinator. The Academy is currently offered in the spring semester only. The Academy is worth up to 12 college credits toward the associate degree in Criminal Justice and 15 college credits toward the bachelor degree in Criminal Investigation or Law Enforcement Leadership for all fulltime tuition-paying cadets.
- Be hired and sworn as a full-time police officer of a law enforcement agency.
- Be sworn in as a part-time police officer and carried on the Workmen's Compensation of the employing police agency.
- Enroll as a non-degree student in Pre-Employment for Basic Course for Police Officers.
- * Attending SUNY Canton is not a guarantee that you may attend the Police Academy. Entry is competitive, space is limited, and applicants must meet all entry requirements.

Academics:

Student cadets must meet admissions requirements for full-time students and must have the approval of the Academy Director.

Application:

The application and all forms (available at www.canton.edu/academy) must be completed and returned to the Director of the Police Academy at SUNY Canton. A statement of physical fitness, signed by a physician, must accompany the application. Application for spring enrollment in the Academy should be submitted by October 1. Any deception on the application is grounds for rejection. A thorough background investigation may be conducted on the applicant after completing an oral interview by the Academy Board of Directors. An applicant may not be admitted to the

Academy if the investigation discloses unsuitability for a law enforcement career due to criminal behavior, alcohol or controlled substance abuse, poor driving record, lack of integrity, inappropriate financial problems, or other evidence of a bad attitude. Applying to the Academy is no guarantee of acceptance. If you realize you are not acceptable for hiring as a police officer, do not apply to the Academy. In case of doubt as to your suitability, ask your local police chief.

Interview:

The applicant will undergo at least one interview conducted by the law enforcement executives of the county. This interview will be conducted prior to completion of the background investigation and determines whether or not the applicant is accepted into the Academy.

Physical Fitness:

Physical fitness should be a lifelong goal of a law enforcement officer and is stressed in the Academy. In order to be admitted to the Academy, the cadet must pass the current Cooper testing standards for police officers. If you know you are out of shape, do not wait until the Academy starts to begin to correct the condition.

Costs:

Cost depends on your status upon entry. Veterans benefits and financial aid may apply. Check with the Financial Aid Office of the College.

• You pay the usual tuition rates as a full-time student including all fees. Costs of books and anticipated lab fees for student manuals totals approximately \$500.00 and uniforms (including boots) approximately \$200.00.

Age:

Please inquire with the Director of the Police Academy.

Medical Fitness:

You must be medically fit to be a police officer. Individual police departments determine what is acceptable in regard to eyesight and injuries, such as trick knees and shoulders. It is your responsibility to obtain medical certification that you are fit to perform the physical training in the Academy. It is your responsibility to determine if your eyesight and any disabilities disqualify you from being hired as a police officer. In case of doubt, ask your local police chief.

- Graduation from the Academy is not a guarantee of a job in law enforcement. You must still meet all the criteria of the hiring law enforcement agency (i.e. score well in the civil service exam and be medically and morally fit).
- If you are not hired within two years, you may have to take the refresher course. The Academy will not substitute for the State Police, Environmental Conservation, or Park Police academies, or the academies of larger municipalities such as New

York City, however your chances of employment are increased by successfully completing the Police Academy. The Academy curriculum and instructors are approved by the New York State Department of Criminal Justice Services.

 If you fail in the Academy either academically, physically, or through insufficient attendance, college policies regarding refunds apply. Preemployment Phase 1 Cadets will not be certified as Police Officers by the State and/or College. If you are in the Academy for college credit and fail, the Criminal Justice curriculum coordinator will evaluate the work completed for credit on a case by case basis.

The Academy information along with the application form can be obtained from the college website: www.canton. edu/academy.

SUNY CANTON CORRECTIONS ACADEMY

The SUNY Canton Corrections Academy is offered every summer in conjunction with the St. Lawrence County Sheriff's Office and follows the New York State Division of Criminal Justice Services (DCJS) approved guidelines. The SUNY Canton Corrections Academy is open to individuals who have been hired by the St. Lawrence County Sheriff's Office and other surrounding county agencies, as well as all SUNY students who meet the eligibility guidelines. Completion of the academy as a student will provide you with 2 years of pre-certification eligibility for employment with county corrections within the state of New York. In order to become fully employed as a county corrections officer one must successfully complete and pass the NYS civil service exam.

Eligibility Guidelines

- Enrollment at a SUNY school (first priority provided to SUNY Canton students)
- GPA of 3.0 or higher

• At least 18 years of age

Academy Location

The academy is held on the SUNY Canton campus and all coursework will be completed in Wicks Halls in the classroom associated with University Police. Sign up early because space is limited.

Dress Code

Black BDU pants

Black dress shoes or boots

Minimum (2) Corrections Academy tshirts must be purchased prior to the first day (orders will begin in April and each shirt will cost \$11.00) In order to attend the summer SUNY Content Corrections Academy aca

Canton Corrections Academy as a student, enrollment in JUST 431 -

Culminating Experience in Corrections (4 credits) must be completed prior to the first day of the academy. During the summer academy two additional upper level corrections related courses (6 credits) will also be offered online for a total of 10 credits (academy 4 credits + 2 upper division courses) that can be achieved and transferred back to your home institution. Enrollment in the two additional online corrections courses is optional and not required to participate in the academy.

SUNY Canton Living Accommodations

Housing is available in Kennedy Hall at a cost of \$900 per person for the duration of the summer academy. This rate includes a single bedroom in an apartment-style suite with a shared full kitchen, living room and bathroom. The suites are furnished but do not include linens or kitchen items (dishes, pots, pans, etc.). The living room in each suite has air conditioning but the bedrooms are not air conditioned (a fan is recommended). If you would like to arrange housing please contact the Residence Life Office at 315-386-7513 or via email at reslife@canton.edu at least two weeks prior to the program.

SUNY Canton Fitness Center

The fitness center will be offering a pro-rated 5-week membership during the academy at a reduced rate of \$25.00. Membership can be obtained during the first day of coursework by visiting the fitness center located in the SUNY Canton Convocation, Athletic, and Recreation Center.

Financial Aid for Summer Study

There is financial aid available for the summer sessions. In order to receive aid for summer, the following must be taken into consideration:

You must admitted into a degree program. New students will not be eligible for summer financial aid (includes students admitted for Fall 2018).

All summer courses MUST be applicable to your current degree program in order to receive aid. Your academic advisor will assign you a summer registration code for scheduling access on UCanWeb.

Financial aid you receive in the summer may reduce your eligibility for aid during the academic year or in a subsequent year.

Taking courses at another college? To receive aid to help pay for them you must complete and submit a Consortium Agreement. To be aid eligible the course must transfer back into your degree program. Be prepared to pay for your course upfront and be reimbursed by aid later, not all schools participate in this process especially during summer. Be sure to check with the other school for their policy when signing up for the courses.

For academy related questions please contact Dr. Liz Brown, Chair

of the Criminal Justice Department at (315)386-7504 or ericksone@canton. edu OR Cpl. Rodney Votra, Programs Director / Training Coordinator, St. Lawrence County Sheriff's Office at (315)379-2414 or rvotra@stlawco.org

Send completed applications to: Dr. Elizabeth Brown SUNY Canton 34 Cornell Drive, Payson 117B Canton, NY 13617

UB SCHOOL OF LAW DEGREE (3+3) - B.S. + J.D.

With our new 3+3 program, you can save one full year of tuition by earning your bachelor's degree at SUNY Canton and your law degree at University at Buffalo School of Law, in just six years (instead of seven). It's one of the most affordable paths to a law degree in the country!

About This Major:

The program is open to a SUNY Canton student who has maintained a 3.5 GPA and completed three years of under-graduate work in Legal Studies or Applied Psychology. To become eligible, students must have an LSAT score at or above the median LSAT for the School of Law's previous year's enrolled class (currently 153), complete the University at Buffalo School of Law application, and complete all required coursework toward the B.S. degree.

Career Opportunities:

Holders of Juris Doctor degrees go on to careers including, but not limited to: Professional Litigators Corporate Counsel Wills, Estates, and Trusts Attorneys Judges Public Defenders Criminal Prosecutor Entrepreneurs Politicians

Upstate Medical University Early Admission Program— Joint Admission with SUNY Upstate Medical University at Syracuse

Upstate Medical University Early Admissions Program is an early admission program for high school seniors who excel in math and science and are committed to careers in the health professions. Students accepted into the program are guaranteed admission into an upper division bachelor/master's degree program at the SUNY Upstate Medical University at Syracuse after attending their first two years at SUNY Canton and completing all admission requirements.

The Upstate Medical University Early Admissions programs are:

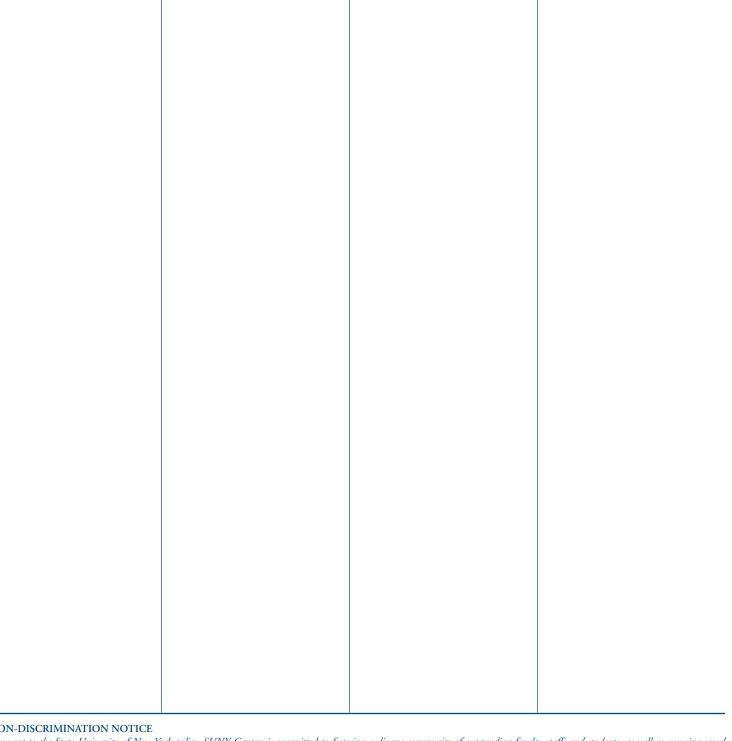
- Cardiovascular Perfusion, BS
- Medical Biotechnology, BS
- Medical Technology, BS
- Medical Imaging Sciences, BS or BPS
- Physical Therapy, DPT
- Respiratory Care, BS
- Radiation Therapy, BS or BPS

Interested students need to apply for Liberal Arts and Sciences: General Studies (Curriculum 0250) program. Call the Office of Admissions 315-386-7123 or 800-388-7123 for further details.

NOTES:

—All science courses must include laboratories.
—Upstate Medical University Early Admissions Program students are required to complete the associate degree and all requirements outlined in the program acceptance letter.

—Accepted students must demonstrate leadership qualities by getting involved in extracurricular activities at SUNY Canton.



NON-DISCRIMINATION NOTICE

Pursuant to the State University of New York policy, SUNY Canton is committed to fostering a diverse community of outstanding faculty, staff, and students, as well as ensuring equal educational opportunity, employment, and access to services, programs, and activities, without regard to an individual's race, color, national origin, religion, creed, age, disability, sex, gender identity, gender expression, sexual orientation, familial status, pregnancy, predisposing genetic characteristics, military status, domestic violence victim status, or criminal conviction. Employees, students, applicants, or other members of the campus community (including, but not limited to, vendors, visitors, and guests) may not be subjected to harassment that is prohibited by law or treated adversely or retaliated against based upon a protected characteristic.

The University's policy is in accordance with federal and state laws and regulations prohibiting discrimination and harassment. These laws include the Americans with Disabilities Act (ADA), Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, Title VII of the Civil Rights Act of 1964 as Amended by the Equal Employment Opportunity Act of 1972, and the New York State Human Rights Law. These laws prohibit discrimination and harassment, including sexual harassment and sexual violence.

Inquiries regarding the application of laws, regulations, policies prohibiting discrimination, and the application of Title IX may be directed to Amanda Deckert, Director of Human Resources /Title IX Coordinator, at (315) 386-7325/wood121@canton.edu. Inquiries may also be directed to the United States Department of Education's Office for Civil Rights, 32 Old Slip 26th Floor, New York, NY 10005-2500; Tel. (646) 428-3800; email OCR.NewYork@ed.gov.



