STATE UNIVERSITY OF NEW YORK
1906
COLLEGE OF TECHNOLOGY
CANTON

2024-2025
Academic Programs

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Requirements for Admissions

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.

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, trans-fer 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 transfer@canton.edu 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 Introduction to Agribusiness ... 3
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 3-4
17-18

Semester II
ACCT 101 Foundations of Financial Accounting 4
ECON 101 Macroeconomics (GER 3) . 3
ECON 105 Survey of American Economic History 3
MATH 141 Statistics 3
Natural Science (GER 2) 3-4
16-17

Semester III
ACCT 102 Foundations of Managerial Accounting 3
ECON 103 Microeconomics 3
BSAD 203 Marketing 3
BSAD 215 Small Business Mgmt 3
Other World Civilization (GER 6) 3
15

Semester IV
BSAD 201 Business Law I 3
FSMA 210 Introduction to Finance 3
Humanities (GER 7) 3
Foreign Language (GER 9) (Spanish recommended) .. 3
General Elective 3
15

Semester V
AGMT 305 Agricultural Policy 3
AGMT 320 Agricultural Markets and Price Analysis.......................... 3
BSAD 301 Principles of Management . 3
BSAD 310 Human Resource Management 3
ECON 314 Managerial Economics..... 3
15

Semester VI
AGMT 310 Agribusiness Management 3
AGMT 330 Farm Business Management.................. 3
AGMT 385 Agriculture Law 3
BSAD 322 Advertising and Promotion . 3
LEST 388 Environmental Law 3
15

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

Semester VIII
AGMT 410 Internship AND/OR U/L Program Elective(s) 3-12
AGMT 450 Capstone in Agribusiness Management 3
15

* 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 Applied Psychology B.S. degree program trains students in the knowledge and skills needed 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;
- Application to graduate level education in Social Work, Mental Health Counseling, Psychology, Applied Behavior Analysis, and Law, among other disciplines.

Disclaimer

As with other baccalaureate programs in Psychology, the completion of this baccalaureate degree will not qualify the holder to apply for, be hired for, or perform the duties related, to employment involving the provision of services that may only be provided by licensed psychologists or other licensed mental health professionals with advanced training. Please refer to relevant statutes in the states you may be interested in practicing in.

Program Options:

Our unique approach includes the traditional focus on psychological research and theory in a liberal arts context, but includes a strong, real-world applied focus. The Applied

Psychology program at SUNY Canton currently offers:
- B.S. degree
- Double Major option
- Minor option
- Addiction Treatment Training Certificate
- Online, in-person, or combined format

Career Ready at Graduation:

Our mission is to provide students with the skills needed to help people of diverse backgrounds and with varied life issues.

Students in the Applied Psychology program work with children and families, individuals with developmental disabilities, older adults, and those seeking drug and alcohol services, among others.

Graduates will be prepared to work in a variety of entry-level human service positions - interviewing, problem-solving with other professionals, and providing intervention services under professional supervision.

Career Opportunities:

According to the U.S. Department of Labor, Bureau of Labor Statistics, employment in entry-level human services jobs requiring a Bachelor's degree is projected to grow faster or much faster than the average for all occupations, with a 10-percent anticipated increase through 2031.

For students who want to go further, we can also prepare you for advanced study in Psychology, Counseling, Human Services, Habilitation and Rehabilitation, and Social Work.

Admission Requirements:
- High school prerequisites may be found at www.canton.edu/academics/prerequisites.html
- Transfer students must have a minimum GPA of 2.0 OR a two-year degree.

Program Requirements:

Curriculum (1965)
PLEASE CONTACT US FOR MOST CURRENT INFORMATION

Required Courses	Credits
Semester I	
FYEP 101 First Year Experience Program	1
ENGL 101+ Composition & the Spoken Word (GER 1& 2)	3
PSYC 101+ . Introduction to Psychology (GER 7)	3
General Elective or MATH pre-req**	3-4
HUSV 201+ Intro. to Human Services	3
General Elective (GER 6, 8 9, 10, 11)	3
	16-17
Semester II	
ABAP 245+ Introduction to Applied Behavior Analysis	3
SOCI 101+ Intro to Sociology (GER 7)	3
PSYC 225+ Human Development	3
BIOL 101, 117, 150 &Lab+ Science Elective (GER 5)	3-4
General Elective	3
	15-16

Semester III	
PSYC 275+ Abnormal Psychology. (GER 7)	3
SSCI 181+ Alcohol Drugs & Society (GER 7)	3
MATH 141+ Statistics* (GER 4)	3
General. Elective	3
General. Elective (GER 6, 8, 9, 10, 11)	3
	15-16
Semester IV	
PSYC 308 Personality and Individual Differences	3
General Elective	3
HUSV 310+ Working in Human Service Agencies	3
+ Program Elective	3
+ Program Elective	3
	15-16

AS or AA GRAD .... Total Credits: 62-64

Semester V	
SSCI 370 Research Methods ** (WI)	3
HUSV 305 Professional & Ethical Responsibilities	3
PSYC 300 Cultural Psychology (GER 3)	3
HUSV 315 Mental Health Practice	3
Program Electives	3
	15
Semester VI	
PSYC 410 Counseling Skills & Process	3
PYSC 320 Health Psychology	3
PSYC 315 Crisis Intervention.	3
PSYC 340 Social Psychology	3
Program Elective	3
	15
Semester VII	
HUSV 420 Orientation to Human Services Practicum	1
Program Elective	3
U/L Program Elective	3
HUSV 421*** Practicum in Human Services	3
General Elective	3
	15
Semester VIII	
HUSV 421*** Practicum in Human Services	3
U/L Program Elective	3
General Elective	3
General Elective	3
General Elective	3
	15

BS GRAD   Total Credits for Degree 122-124

L/L Program electives include: ABAP, ECHD, EDUC, HUSV, PSYC, SOCI, and designated ECHD, SSCI, and JUST courses.

*MATH 141 is a prerequisite for SSCI 370; may use first semester General Elective for MATH 141 pre-requisite if necessary

**Writing Intensive course

***Applied learning course

+Courses to be used to meet Liberal Arts Associate's Degree. Student must take Science with a lab. for the Associate's degree.

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, transportation, pavements, geotechnology, construction and project management, surveying, and AutoCADD/REVIT drafting and BIM. Graduates have the opportunity to pursue graduate study and work towards licensure.

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, 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, GHD, Atlantic Testing Laboratories, Cives Steel Company, NYS Department of Transportation, and NYS Department of Conservation. Graduates have also gone on to graduate school for Master of Science/Engineering degrees in both Civil Engineering and Environmental Engineering and Doctor of Philosophy degree in Civil 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.

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

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 Engineering	2
SOET 116 Intro to Computer Drafting	2
CONS 101 Elementary Surveying	4
MATH 123 Pre-Calculus1	4
PHYS 121/131 College/Univ. Physics I.	3
PHYS 125/135 College/Univ. Physics I Lab	1
	16
Semester II	
ENGS 201 Statics	3
GER (6, 7, 8, 9, 10, 11)3	3
MATH 161 Calculus1	4
PHYS 122/132 College/Univ. Physics II	3
PHYS 126/136 College/Univ. Physics II Lab.	1
ENGL 101 Composition and the Spoken Word	3
	17
Semester III	
CONS 203 Advanced Surveying	3
ENGS 203 Strength of Materials	3
CONS 275 Strength of Materials Lab	1
CONS 280 Civil Engin. Materials	3
MATH 162 Calculus II1	4
CHEM 150 College Chemistry and Lab	4
	18
Semester IV	
CONS 216 Soils In Construction2	4
CONS 322 Hydraulics	4
MATH 364 Differential Equations1	3
Diversity GER (3)3	3
	15
Semester V	
CONS 336 Structural Analysis	3
SOET 250 Intro to 3D CADD and BIM	2
GER (6, 7, 8, 9, 10, 11)3	3
CONS Course4 (CONS 386 or CONS 385)	4
Program Elec.6	3
	15
Semester VI	
ECON 370 Engineering Economics	3
CONS 274 Construction Mgmt.	3
CONS Course 4 (CONS 387 or CIVL 384)..	3
CIVL 339 Structural Analysis Lab	1
Program Elec.6	3
Design Elective5	3
	16
Semester VII	
SOET 377 Engineering Ethics	1
CONS Course4 (CONS 386	

or CONS 385) 4
CONS 476 Pre-Capstone 1
            Program Elec.6 6
            GER(6, 7, 8, 9, 10, 11)3 .3
                                        ——
                                        14

Semester VIII
CONS 477 Capstone Project 3
SOET 348 Engineering Safety 1
            CONS Course4 (CONS
            387 or CIVL 384) 4
            Program Elec.6 6
                                        ——
                                        14

Total Required Program Credits = 125

1 Students starting with Calculus I, will take Calculus I, Calculus II, Differential Equations, and a fourth math class of their choosing and with advisement.

2 Writing Intensive

3 GER = General Education Elective. Students must accomplish 7 separate GER categories: GER 9 6, 7, 8, 9, 10, or 11. One of which must be the Diversity GER (GER 3). 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, CIVL 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 125 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 Analyst
- Public 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:

(Curriculum 3006)

Semester I   **Credits**
JUST 233 Crime Analysis 3
ENGL 101 Composition & Spoken
            Word 3
            MATH Elective (GER 4).......3
            Liberal Arts Elective
            (Any GER)......................3
            Liberal Arts Elective
            (GER 6,7,8,9,10,11) 3
                                             ——
                                             15

Semester II
JUST 232 Intelligence Analysis 3
CITA 110 Introduction to Info
            Technology 3
MATH 141 Statistics (GER 4)..............3
            Natural Science (GER 5) .3-4
            Liberal Arts Elective
            (Any GER)......................3
                                             ——
                                             15-16

Semester III
JUST204   Crime and Media..............3
            Liberal Arts Elective 3
            Liberal Arts Elective 3
            DEISJ Elective(GER 3) 3
            Liberal Arts Elective 3
                                             ——
                                             15

Semester IV
            Liberal Arts Elective 3
            Liberal Arts Elective 3
            Liberal Arts Elective. 3
            General Elective................3
            General Elective................3
                                             ——
                                             15

Semester V
JUST 421 Cyber Criminology............3
JUST 380 Civil Liberties & Homeland
            Sec. 3
            Liberal Arts Elective 3
            Liberal Arts Elective 3
            General Elective................3
                                             ——
                                             15

Semester VI
JUST 347 Res Methods in Criminology
            & CJ 3
JUST 314 Ethics in CJ* 3
JUST 423 Intelligence Led Policing.....3
            U/L Liberal Arts Elective 3
            U/L Liberal Arts Elective 3
                                             ——
                                             15

Semester VII
JUST 402 GIS: Crime Mapping.........3
CYBR 365 Digital Forensic Analysis 3
JUST 425 Law Enforce. Intell. Systems 3
            Liberal Arts Elective 3
            Liberal Arts Elective 3
JUST 429 Intro to Culm. Exp.............1
                                             ——
                                             16

Semester VIII
JUST 450 or Forensic Evidence on
            Trial 3
LEST340   Constitutional Law
JUST 430 Culminating Experience in
            CJ OR
            (4) U/L Prog. Electives...3-12
                                             ——
                                             15

Students in the Criminal Investigation, B.Tech. program are required to earn a "C" or better in JUST 430.

* Fulfills writing intensive requirement.

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

GER = General Education Requirement

NOTE: Crime Analysis students must meet seven of the ten General Education Requirements and have 30 total GER credits.

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

Criminal Investigation–B.Tech.

The Bachelor of Technology in Criminal Investigation provides a unique alternative to traditional criminal justice programs. This degree focuses on developing the necessary knowledge and skills required in criminal investigations. Students can opt to complete an internship with an agency in the Criminal Justice field or complete 5 Upper Level JUST courses

Students In This Major:

- Receive advanced training in criminal investigation.
- Learn to analyze forensic evidence, preserve crime scenes, collect and process evidence.
- Complete classes toward a minor, including Forensic Science or Criminology.

Career Opportunities:

- Police Officer
- Federal law enforcement agencies
- Autopsy Technician/Medical Investigator
- Military police
- Crime Scene Technicians
- Forensic Scientist

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 101 Introduction to Criminal
            Justice
JUST 110 Criminal Law
JUST 111 Criminal Procedure
JUST 203 Criminal Investigations
JUST 209 Law Enforcement
            Communications
JUST 210 Introduction to Forensic
            Investigation
MATH 111 Survey of Mathematics OR
MATH 121 College Algebra

Program Requirements:

(Curriculum 1359)

Semester I   **Credits**
JUST 101 Intro. to Criminal Justice ...3
ENGL 101 Composition & Spoken
            Word 3
            MATH Elective (GER)* 3
PSYC 101 Introductory Psychology 3

Liberal Arts Course (Any GER)............3
15-16

Semester II
JUST 112 Criminal Law & Procedure . 3
SOCI 101 Introduction to Sociology ...3
Lower Level Program
Elective1.........................3
Natural Science w/Lab
(GER) 4
Humanities Elective (GER) ..3
16

Semester III
JUST 201 Critical Issues in Crim.
Justice* 3
JUST 209 Law Enforc.
Communications 3
PSYC 275 Abnormal PSYC OR
JUST 202 Intro to Forensic
Criminology 3
DEISJ Elective (GER 3) 3
American History Elective
(GER 4) 3
15

Semester IV
JUST 203 Criminal Investigations 3
JUST 210 Intro. to Forensic Invest......3
Lib. Arts Elective (any GER) 3
General Elective...............3
General Elective...............3
18

Semester V
JUST 300 Forensic Photography........3
JUST 303 Investigative Interviews 3
Upper Level General Elec. .3
General Elective...............3
General Elective...............3
15

Semester VI
JUST 301 Latent Prints and
Impressions 3
JUST 314 Ethics in Criminal Justice3
OR
JUST 426 Ethics in Forensic Science3 .3
Forensic Science Cluster4 ..3
General Elective...............3
General Elective...............3
15

Semester VII
JUST 406 Crime Scene Investigation . 3
JUST 408 The Investigation of Death . 4
JUST 429 Intro. to Culminating
Experience5.....................1
U/L General Elective 3
General Electives 6
16

Semester VIII
JUST 430 Culminating Experience in
CJ OR
(5) U/L Prog. Electives...3-15
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

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)

Semester I   **Credits**
JUST 101 Introduction to Criminal
Justice.............................3
BSAD 100 Intro. to Business..............3
ENGL 101 Composition & Spoken
Word 3
MATH 111 Survey of Math or Higher . 3
PSYC 101 Introduction to Psychology . 3
15

Semester II
JUST 112 Criminal Law and
Procedure.......................3
SOCI 101 Introduction to Sociology ...3
Amer. History Elective
(GER 9) 3
Humanities Elec. (GER 6)...3
General Elective...............3
15

Semester III
CITA 110 Intro. to Info. Technology ...3
MATH 141 Statistics 3
Natural Sci. w/Lab Elect.
(GER 5) 4
DEISJ Elective (GER 3) 3
General Elective...............3
16

Semester IV
JUST 201 Critical Issues in Criminal
Justice ** 3
JUST 207 Police Services...................3
JUST 209 Law Enforcement
Communication OR
BSAD 200 Business Communications . 3
Liberal Arts Elective [GER] ..3
General Elective...............3
15

Semester V
JUST 321 Managing Law Enforce.
Training..........................3
JUST 344 Civil Liability Issues for CJ
Admin............................3
BSAD 301 Principles of Management . 3
U/L Program Elective2.......3
U/L Program Elective2.......3
15

Semester VI
JUST 314 Ethics in Criminal Justice
OR
BSAD 319 Professional Ethics.............3
JUST 333 Managing Patrol Functions 3
U/L Program Elective2.......3
U/L Program Elective2.......3
General Elective...............3
15

Semester VII
JUST 429 Intro to Culminating
Experience * 1
JUST 449 Current Issues in Law
Enforce. 3
JUST 335 CJ Agency Management....3
BSAD 375 Leadership & Decision
Making 3
General Elective...............3
General Elective 3
16

Semester VIII
JUST 430 Culminating Exper. in CJ
AND/OR
U/L Program Electives ..3-15
15

*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.

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. The Program of Study (PoS) has been validated by the National Security Agency (NSA) for the National Centers of Academic Excellence in Cybersecurity Defense (CAE-CD) designation.

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.

• Are encouraged to pursue Cybersecurity internships during their senior year.

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 who do not meet the requirements to enroll in Math 106 or English 101 will need to take an additional course(s) that will prepare them for sub-sequent enrollment in those two courses.
- 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: *
(Curriculum 2698)

Semester I	Credits
CYBR 152 Computer Logic	3
CYBR 165 Survey of Cybersecurity	3
ENGL 101 Composition & Spoken Word	3
Mathematics Elective1	3
LA Course (GER 6,7,8,9,10,11)	3
	15

Semester II	
CYBR 170 Comp. Concepts & Oper. Sys.	3
CYBR 171 Oper. Sys. Use & Administration	3
MATH 141 Statistics	3
Diversity Elective (GER 3)	3
Natural Science Elective (GER 5)	3
	15

Semester III	
CYBR 180 Introduction to Programming	4
CYBR 215 Database Apps & Concepts	3
CYBR 220 Data Comm & Network Tech	3
LA Course (GER 6,7,8,9,10,11)	3
LA Course (GER 6,7,8,9,10,11)	3
	16

Semester IV	
CYBR 204 Systems Analysis and Design2	3
CYBR 250 Information Security	3
GER/LA Course	3
GER/LA Course	3
LA Course	3
Program Elective3	3
	15

Semester V	
Network Security Cluster	3
Data Security Cluster	3
MATH 351 Discrete Mathematics	3
LA Course	3
General Elective	3
	15

Semester VI	
CYBR 352 Ethical Hacking & Pen Testing.	3
Network Security Cluster	3
Data Security Cluster	3
LA Course	3
General Elective	3
	15

Semester VII	
CYBR 450 Cyber Security Body of Knowledge	3
LA Course	3
UL LA Course	3
UL LA Course	3
UL LA Course	3
	15

Semester VIII	
CYBR 485 Cybersecurity Practice OR UL Program Elective	
UL Program Elective	6
UL LA Course	3
UL LA Course	3
UL General Elective	3
	15

Program Elective-CYBR, CITA, DATA, JUST
Seven of ten SUNY GER academic areas 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, CYBR 440
Data Security Cluster-CYBR 360, CYBR 365, CYBR 455
1 Minimum mathematics requirement is MATH 121 College Algebra.
2 Fulfills writing intensive requirement.
3 On-campus students are encouraged to take CITA 175, CITA 221, and CITA 441 to fulfill this program elective requirement.

Additional Graduation Requirements
To meet graduation requirements, CYBR 450 must have a grade of C or higher. 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.

The Bachelor of Business Administration in Early Childhood Care and Management program is accredited by the International Accreditation Council for Business Education.

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. Students can begin enrollment in fall, summer, or spring and attend part or full-time.

Students In This Major:
- Participate in field-based experiences and internships in various child-care 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. *Employment statistics from Bureau of Labor Statistics 2019-2029, May 2020
- Certification requirements are increasing for Early Care and Education providers. Bachelor's 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: Mandated Reporter Identification of Child Abuse & Neglect and Building on the 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 field 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 near their residence and attend seminars virtually.

(Curriculum 2699)

Semester I	Credits
FYEP 101 First Year Experience	1
ECHD 101 Introduction to Early Childhood (GER 7)	3
ENGL 101 Composition & the Spoken Word (GER 1-2)	3
PSYC 101 Introduction to Psychology	3
Science Elec. (GER 5)	3-4
Diversity: EI & SJ (GER 3)	3
	16-17

Semester II	
BSAD 100 Introduction to Business	3
ECHD 121 Wellness in Young Children	3
PSYC 220 Child Development	3
Math Elective (GER 4)	3-4
ECHD 131 Infants and Toddlers	3
	15-16

Semester III	
ECHD 105 Orientation EC Field Experience	1
ECHD 125 Curriculum Development	3
ACCT 101 Foundations of Fin. Accounting	4
ECHD 250 Children with Special Needs	3

GER (6,8,9,10,11) 3
General Elective..............3
17-18

Semester IV
ECHD 201 Early Childhood Field Experiences 4
ECHD 204 Early Childhood Observation 3
ECHD 285 Issues & Policies in Early EC & ED* - WI 3
BSAD 203 Marketing......................3
GER (6,8,9,10,11) 3
16

Semester V
ECON 101 Principles of Macroeconomics 3
BSAD 215 Small Business Mgmt.........3
ECHD 340 Policies & Regulations in EC Settings.......................3
ECHD 404 Positive Child Guidance ...3
General Elective...............3
15

Semester VI
BSAD 319 Professional Ethics.............3
BSAD 310 Human Resource Management......................3
ECHD 401 DAP: Learning Environments Infants-Age 5 3
ECHD 301 Fostering Relationships in EC Programs 3
U/L Program Elective 3
15

Semester VII
ECHD 409 Orientation to Culminating Experience.......................1
ECHD 420 EC Program Development & Management.................3
BSAD 340 Management Communications 3
U/L Program Elective 3
U/L Elective 3
U/L Elective 3
16

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 broadly-defined 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 broadly-defined 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 Technologist 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) as a minimum mathematics course if not already completed.. 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 course-work 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 Spoken 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
Elec 141   Industrial Controls.............2
ELEC 102 Electric Circuits II...............3
ELEC 129 Electric Circuits II Lab. 1
MATH 161 Calculus I........................4
ELEC 165 Digi Fundamentals & Systems...........................3
ELEC 166 Digi Fundamentals & Systems Lab....................1
14

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.............4
MATH 162 Calculus II......................4
17

Semester IV
ELEC 243 Computer Automated Control Systems 2
ELEC 215 Elec.Energy Conversion 4
ELEC 225 Telecommunications 3
PHYS 122 College Physics II OR
PHYS 132 University Physics II............3
PHYS 126/136 Physics II Lab 1
MATH 263 Calculus III 4
17

Semester V
ELEC 332 Industrial Power Electronics 3
ELEC 343 Advanced Circuit Analysis..3
SOET 377 Engineering Ethics.............1
MATH 141 Statistics 1 3
MATH 364 Differential Equations.......4
Diversity Elective Course (GER 3) 3
17

Semester VI
ELEC 380 LAN/WAN Technology.......3
ELEC 383 Power Transmission and Distribution......................3
ELEC 385 Electronic Communications I 3
SOET 348 Engineering Safety 1
Program Elective 3
Elective (GER 3, 4, 5, 6, 8, 9) 3
16

Semester VII
ELEC 386 Electronic Comm. II...........3
ELEC 416 Microelectronics Circuit Design 3
SOET 361 Project Management 3
Program Elective 3
Elective (GER 3, 4, 5, 6, 7, 8, 9) ...3
15

Semester VIII
ELEC 477 Capstone Project* 3
ELEC 436 Biomedical Electronics OR
ELEC 488 Electrical Power Systems 3
ECON 370 Engineering Economics 3
Program Elective 3
Elective (GER 3,4,5,6,7,8,9) 3
15

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
ELEC 355 Embedded Electronics
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 approved list of program electives for the Electrical Technology program or permission of program coordinator.
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 rule-making 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 Word	3
SOCI 101 Introduction to Sociology	3
EADM 201 Fundamentals of Emergency Mgmt.	3
Liberal Arts Elective (Any GER)	3
Liberal Arts Elective (Any GER)	3
FYEP 101 First Year Experience	1
	16

Semester II
EADM 205 Hazard Assessment and Mitigation	
MATH Math Elective(GER 4)*	3
Science and Lab(GER 5)	3
Liberal Arts Elective (GER 6, 8, 9, 10, 11)	3
Liberal Arts Elective	3
	15

Semester III
EADM 220 Emergency Mgmt. & Response	3
EADM 222 Emergency Planning	3
Science Elective(GER 5)	3
Liberal Arts Elective (GER 3)	3
Liberal Arts Elective (GER 6, 8, 9, 10, 11)	3
	15

Semester IV
EADM 320 Recovery and Resilience	3
JUST 230 Fundamentals of Homeland Security	3
Liberal Arts Elective	3
Liberal Arts Elective	3
General Elective	3
	15

Semester V
BSAD 301 Principles of Management	3
EADM/BSAD 305 Public Budgeting & Fiscal Mgmt.	3
EADM 314 Professional Ethics OR BSAD 319 Professional Ethics	3
Liberal Arts Electives	3
Liberal Arts Elective	3
	15

Semester VI
EADM 307 Legal Issues in E&D	3
SOCI 325 Sociology of Disaster	3
General Elective	3
Liberal Arts Elective	3
U/L Liberal Arts Elective	3
	15

Semester VII
EADM 400 Incident Mgmt. Systems	3
EADM 430 Sim.Disaster Training	3
JUST 429** Introduction to Culminating Experience	1
U/L Liberal Arts Electives	3
U/L Liberal Arts Elective	3
General Elective	3
	16

Semester VIII
EADM 435 Disaster Simulation	3
EADM 485 Emergency Management Case Study	3
EADM 480 Internship EADM OR	3-9
UL Program Elective	3
UL General Elective	3
General Elective	3
	15

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 estimate the value of the US Esports Industry to be $2.06 billion as of 2024. 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

Broadcast production

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:
(Curriculum 2991)

Semester I	Credits
CITA 110 Introduction to Information Technology	3
ESPT 100 Intro. to eSports Mgmt.	3
ENGL 101 Composition and the Spoken Word (GER 1,2)	3
FYEP 101 First Year Experience	1
MATH 111, 121, or 141 (GER 4)	3-4
Natural Sciences Elective (GER 5)	3-4
	17-19

Semester II
BSAD 100 Introduction to Business	3
BSAD 203 Marketing	3
ACCT 101 Foundations of Financial Accounting	4
ECON 101 Macroeconomics (GER 7)	3
GMMD 101 GMMD 101 Introduction to Media Studies (GER 6)	3
	16

Semester III
ACCT 102 Foundations of Managerial Accounting	3

BSAD 201 Business Law I	3
ECON 103 Microeconomics (GER 7)	3
ESPT 200 Fundamentals of Esports Tech.	3
DEISJ Elective (GER 3)	3
	15

Semester IV
FSMA 210 Introduction to Finance	3
GER (8,9,10, or 11)	3
GER (8,9,10, or 11)	3
General Elective	3
ESPT 210 Esports Governance	3
	15

Semester V
GER 8,9,10, or 11	3
BSAD 301 Principles of Management	3
U/L Program Elective	3
General Elective	3
Program Elective	3
	15

Semester VI
BSAD 372 Electronic Commerce	3
BSAD 373 International Business Management	3
ESPT 301 Esports Marketing	3
U/L Program Elective	3
U/L General Elective	3
	15

Semester VII
BSAD 340 Management Communications	3
ESPT 308 Esports Event Management	3
U/L General Elective	3
U/L General Elective	3
Liberal Arts Elective	3
	15

Semester VIII
ESPT 450 Esports Internship OR U/L Program Electives	3-12
ESPT 404 Advanced Esports Management	3
	15

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

(Curriculum 0282)

Semester I		Credits
ACCT 101	Foundations of Financial Accounting	4
ECON 101	Macroeconomics (GER7)	3
ENGL 101	Composition & the Spoken Word (GER 1,2)	3
CITA 110	Intro. to Info. Technology	3
FYEP 101	First Year Experience	3
	Mathematics Elec. (GER 4)	3-4
		17-18

Semester II		
ACCT 102	Foundations of Managerial Accounting	3
ECON 103	Microeconomics	3
MATH 141	Statistics	3
BSAD 200	Business Communications	3
	Natural Sciences Elective (GER 5)	3-4
		15

Semester III		
BSAD 201	Business Law I	3
FSMA 210	Introduction to Finance	3
	DEISJ Elective	3
	General Elective (GER Recommended)	3
	Program1 Elective	3
		15

Semester IV		
FSMA 220	Introduction to Investments	3
BSAD 301	Principles of Management	3
FSMA 312	Financial Management	3
	GER (6,8,9, or 11)	3
	GER (6,8,9, or 11)	3
		15

Semester V		
FSMA/ECON 330	Financial Institution & Market	3
ECON 315	Global Economy (GER 10)	3
FSMA 315	Global Investments	3
	Program Elective1	3
	Program Elective1	3
		15

Semester VI		
BSAD 319	Professional Ethics	3
BSAD 203	Marketing	3
FSMA 415	Global Finance	3
FSMA 420	Financial Derivatives	3
	Program Elective1	3
		15

Semester VII		
FSMA 325	Financial Compliance & Regulation	3
FSMA 422	Risk Management	3
	Program Elective 1	3
	Program Elective 1	3
	U/L Program Elective 2	3
FSMA 429	Orientation to Culminating Exp.	1
		15-16

Semester VIII		
FSMA 480	Finance Internship**	6-15
	OR	
FSMA 460	Senior Project OR U/L Program Electives1	3-15
		15

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 evidence-based 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 employment and graduate-school opportunities, including: law enforcement, corrections, victim services, juvenile justice, forensic science, 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 criminological 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 analyst

Victim 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 Survey of Math (MATH 111).

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
JUST 202	Intro to Forensic Criminology	3
ENGL 101	Composition and the Spoken Word (GER 1/2)	3
PSYC 101	Introduction to Psychology (GER 7)	3
SOCI 101	Intro to Sociology (GER 7)	3
	Liberal Arts Elective (GER 6, 8, 9, 10 or 11)	3
		15

Semester II		
	Natural Science (GER 5)	3
	Liberal Arts Elective (Any GER)	3
SOCI 105	American Social Problems	3
	MATH Elective i	3
	Liberal Arts Elective (GER 6, 8, 9, 10 or 11)	3
		15

Semester III		
	General Elective	3
SSCI181	Alcohol, Drugs & Society	3
JUST 204	Crime and Media	3
	Liberal Arts Elective (Any GER)	3
	General Elective	3
		15

Semester IV		
PSYC 275	Abnormal Psychology	3
MATH 141	Statistics	3
	DEISJ Elective (GER 3)	3
	Liberal Arts Elective	3
	General Elective	3
		15

Semester V		
JUST 310	Causes of Crime	3
	U/L Liberal Arts Elective	3
	Criminology Cluster Elective ii	3
	Forensics Clusteriii	3
	U/L Liberal Arts Elective	3
		15

Semester VI		
JUST 426	Ethics in Forensic Science & Administration of Justice	3
	Forensics Cluster iii	3
	U/L Liberal Arts Elective	3
	U/L Liberal Arts Elective	3
	General Elective	3
		15

Semester VII		
JUST 349	Vulnerable Populations in Criminal Justice	3
JUST 347	Research Methods Criminology	3
JUST 302	Information Management in Criminal Justice	1
	Criminology Cluster Electiveii	3
	U/L Liberal Arts Elective	3
	General Elective	3
JUST 429	Intro To Culminating Experience	1
		16

Semester VIII		
JUST 432	Senior Seminar (Capstone)iv	3
JUST 430	Culminating Experience in CJ OR	
	U/L Program Elective	3
	Program Elective	3
	Program Elective	3
	Program Elective	3
		15

i Must be MATH 111 or higher

ii Criminology Cluster: Select from JUST 307, JUST 311, JUST 313, JUST 316, JUST 322, JUST 323, JUST 324, JUST 327, JUST 331, JUST 339, JUST 340, JUST 345, JUST 350, JUST 351, JUST 404, JUST 421, or JUST 441

iii Forensics Cluster: Select from JUST 300, JUST 301, JUST 303, JUST 320, JUST 330, JUST 346, JUST 370, JUST 402, JUST 410, JUST 411, JUST 412, JUST 423, JUST 422, JUST 424 or JUST 485

iv Writing Intensive Course

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 Bachelor's Degree program at State University of New York - Canton is accredited by the American Board of Funeral Service Education (ABFSE), 992 Mantua Pike, Suite 108, Woodbury Heights, NJ 08097 (816) 233-3747. Web: www.abfse.org.

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 penependd@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 pre-need companies
- Funeral Service After Care Specialist
- Educator in Funeral Services /Mortuary Science
- 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

(Curriculum 0152)

Semester I
BIOL 101 Intro to Biology 4
BSAD 100 Intro to Business................3
ENGL 101 Composition & Spoken Word 3
FSAD 111 Study of Funerals: Past & Present............................3
PSYC 101 Intro to Psychology 3
FSAD 101 Introduction to Funeral Services + ...1
_____
17

Semester II
BSAD 201 Business Law I 3
CITA 110 Intro to Information Technology......................3
MATH 106 OR
MATH 141 Statistics (Any GER 4) 3
English/Humanities Elect (GER 6) 3
Social Science Elec. (GER 7) 3
_____
15

Semester III
FSAD 245 Accounting and Technology for Funeral Services * 3
SSCI 315 Death, Dying & Bereavement 3
FSAD 115 Thanotochemistry * 2
FSAD 308 Introduction to the Clinical Exp 1
Liberal Arts Elective (GER 8, 9, 10, 11)...........3
General Elective (GER).......3
_____
15

Semester IV
BIOL 207 Human Anatomy* 4
FSAD 121 Analytical Embalming Tech.*+...........................3
FSAD 129 Clinical Practicum 2
FSAD 225 Professional Funeral Practice*........................3
Liberal Arts Elective (GER 8, 9, 10, 11)...........3
_____
15

Semester V
FSAD 205 Mortuary Hygiene *..........3
FSAD 211 Embalming & Asep. Tech*+. 4
FSAD 214 Funeral Home Mgmt. I*.....3
General Elective................3
U/L Liberal Arts Elective (GER 8, 9 ,10, 11)...........3
_____
16

Semester VI
FSAD 307 Human Response to Death* 4
DEISJ Elective (GER 3) 3
FSAD 322 Funeral Home Mgmt. II* 3

HLTH 303 Occupational Health & Safety.............................3
UL Management, Social Science or Health Elective .3
_____
16

Semester VII
FSAD 321 Advanced Embalming* 3
FSAD 420 Current Issues in Funeral Service*# 3
FSAD 440 Internship 7
UL General Elective...........3
_____
16

Semester VIII
FSAD 406 Bereavement Counseling* .3
FSAD 323 Restorative Art* 4
FSAD 401 Funeral Service Law* 3
FSAD 445 Mortuary Compliance**.....2
_____
12

Fulfills Writing Intensive Requirement.

* *A final course grade of C or better is needed to meet FSAD graduation requirements*

** *A final course grade of 85% or better is required in order to pass this course*

+ *This course can only be repeated once*

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

GER = General Education Requirement

—"C" or better is required in all FSAD courses and core courses. Students who have taken Mortuary Compliance (FSAD 445) more than 1 year prior to completing requirements in the major, will be required to repeat this course and earn a C or better to be eligible for the NBEs. Once enrolled in the FSAD program, students must complete the program within sex years. For extraordinary situations, permission to complete beyond 6 years must be granted by the FSAD Director.

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:

(Curriculum 2638)

Semester I	Credits
CITA 152 Computer Logic	3
ENGL 101 Composition and the Spoken Word (GER 10)	3
GAME 110 Fundamentals of Game Design	3

GMMD 101 Intro to Media Studies 3
MATH   Elective............................3
FYEP 101 First Year Experience.........1
               16

Semester II   **Credits**
CITA 180 Intro to Programming........4
ENGL 202 Creative Non-Fiction 3
GAME 230 3D Character Modeling ...3
SOCI 101 Intro to Sociology 3
     MATH Elective
     - Min. MATH 121.............4
               16

Semester III   **Credits**
CITA 215 Database Apps and
     Concepts.........................3
ENGL 221 Creative Writing 3
GAME 130 Game Design and
     Prototyping.....................3
     GER - Natural Science.......3
     GER Elective - Any.............3
               15

Semester IV   **Credits**
GAME 210 Object-Oriented Design for
     Game Development.........3
GAME 240 3D Environments for
     Games...........................3
     GER Elective - Any.............3
     GER - DEISJ.....................3
     Elective Liberal Arts 3
               15

Semester V   **Credits**
CITA 342 Visual Programming..........3
ENGL 301 Professional Writing...........3
GAME 250 Game Mechanics and
     Dynamics 3
     Liberal Arts Elective 3
     U/L Elective - GAME/
     GMMD/TCOM 3
               15

Semester VI   **Credits**
CITA 204 System Analysis Design......3
ENGL 315 Short Fiction: The Art of the
     Tale................................3
GMMD 432 Virtual Worlds 3
     Liberal Arts Elective 3
     U/L Elective - GAME/
     GMMD/TCOM 3
               15

Semester VII Credits
GAME 330 Web Design &
     Development...................3
GAME 390 GAME Capstone I............1
GAME 450 Mobile Game
     Development...................3
GMMD 420 Animation Techniques 3
U/L Liberal Arts Elective....................3
U/L Liberal Arts Elective....................3
               16

Semester VIII Credits
GAME 470 Emerging Gaming Apps...3
GAME 490 GAME Capstone II...........3
GMMD 317 Culture and Comm. 3
     U/L Liberal Arts Elective.....3
     U/L Liberal Arts Elective.....3
               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 four-year 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 multi-media 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   **Credits**
GMMD 101 Intro to Media Studies 3
ARTS 101 Intro to Drawing OR
GMMD 102 Intro to Design..............3
ENGL 101 Composition & The Spoken
     Word 3
CITA 152 Computer Logic 3
     GER - Social Science 3
               15

Semester II
ARTS 101 or GMMD 102 3
GMMD 112 Intro. to Time-Based
     Media 3

     ENGL/TCOM Elective........3
     HUMA189/SPCH104/
     GAME110/BSAD100/
     CITA180 3
     MATH 111/121 3
               15

Semester III
GMMD 200 Digital Photography 3
ARTS 201 Art History BCE to 16th
     Century ** 3
GMMD 240 Professional Practices 3
     GER - Natural Science and
     Scientific Reasoning 3
     ENGL/TCOM Elective.....3-4
              15-16

Semester IV
GMMD 211 Film Analysis.................3
GMMD 317 Culture and Comm. 3
ARTS 202 Art History 16th-20th
     Centuries 3
     GMMD Elective 3
     General Elective................3
               15

Semester V
GMMD 313 Studies in Genre Film 3
     GER - Diversity: Equity, Inclusion, and
     Social Justice 3
     ENGL/TCOM Elective........3
     UL GMMD/ARTS Elective ...3
     GMMD/CITA Elective.........3
     GMMD Elective 3
               18

Semester VI
ENGL 301 Professional Writing...........3
     Upper Level Elective 3
     Upper Level Elective 3
     GMMD Elective 3
     GMMD Elective 3
               15

Semester VII
GMMD 401 Multimedia Product
     Design 3
GMMD 408. Portfolio Development and
     Media Strategies.............3
     GMMD Elective 3
     GMMD Elective 3
GMMD 440 Senior Project Proposal/
     Internship Orientation 1
     Upper Level Liberal Arts
     Elective 3
               16

Semester VIII
GMMD 444 Multimedia Product
     Design 2 4
Upper Level Elective 3
GMMD Elective.................................3
     Arts Management Internship
     or Upper Level Electives ...3
               13

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

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
- Master of Science in Athletic Training
- 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 Human Performance

Admission Requirements:

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

Program Requirements:

(Curriculum 2254)

Semester I
HEFI/HLTH/PHTA/BSAD Program Elective....................3
BIOL 217 Anatomy & Physiology I 4
ENGL 101 Composition & Spoken Word 3
PSYCH 101 Intro. to Psychology.........3
GER/Liberal Arts Elective (6, 8, 9, 10, 11) 3
16

Semester II
HEFI/HLTH/PHTA/BSAD Program Elective....................3
BIOL 218 Anatomy & Physiology II 4
GER Math* 3-4
DEISJ Elective....................3
GER/Liberal Arts Elective (6, 8, 9, 10, 11) 3
16-17

Semester III
HEFI/HLTH/PHTA/BSAD Program Elective....................3
PSYC 225 Human Development 3
ACCT 101 Founds. of Financial Accounting OR
PHYS 121 & 125 Or College Physics I & Lab..............................4
General Elective................3
General Elective................3
16

Semester IV
HEFI/HLTH/PHTA/BSAD Program Elective..............3
HEFI 203 Motor Development OR
PHTA 103 Neuromuscular Pathologies 3-4
PHTA 102 Kinesiology OR
HEFI 300 Biomechanics 3
BSAD 201 Business Law I OR
PHYS 122 & 126 College Physics II & Lab 3-4
General Elective................3
15-17

Semester V
HEFI 303 Exercise Physiology............3
CHEM 150 College Chemistry I OR
BSAD 301 Principles of Mgmt. 3-4
MATH 141 Statistics 3
General Elective................3
General Elective U/L if needed 3
15-16

Semester VI
CHEM 155 College Chemistry II OR
SPMT 306 Sports Operations &

Facilities Management ..3-4
HEFI 401 Fitness Assessment and Exercise Prescription.........4
HEFI 375 Fitness and Sports Nutrition3
HEFI 405 Current Issues in Health & Fitness (WI)**..................3
General Elective U/L if needed 3
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: BIOL 310, The Genome, BIOL 325 Biology and Society, BIOL 335 Pathophysiology, 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, SOCI 320 Sociology of Health, Illness & Healthcare, SPMT 306 Sports Operations and Facilities Management, SPMT 330 Psychology of Sport and Exercise, SSCI 315 Death, Dying and Bereavement

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 sector health care jobs with theoretical and practical skills necessary for a challenging life-long 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
- Medical practice management
- 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 120 credits, maintaining a GPA of 2.0.
- 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.

(Curriculum 0253)

Semester I	Credits
HSMB 101 Intro. to Health Care Mgmt.	3
ENGL 101 Basic Comm. (GER 1,2)	3
Liberal Arts and Science Elective	3
GER (6,8,9,10, or 11)	3
PSYC 101 Intro. to Psychology (GER 7)	3
FYEP 101 First Year Experience	1
	16

Semester II
ECON 101 Macroeconomics 3
HSMB 316 Equity, Diversity, and Cultural Competence in Healthcare 3
SOCI 101 Introduction to Sociology ...3
GER (6,8,9,10, or 11) 3
MATH 141* Statistics (GER 4).............3
15

Semester III
ACCT 101 Foundations of Fin. Acct. ...4
Science Elective (GER 5)..3-4
HLTH 200 Medical Terminology of Disease OR
HSMB 200 Terminology and Coding..3
Liberal Arts and Sciences Elective 3
13-14

Semester IV
HSMB 304 U.S. Health Care System ..3
General Elective................3
U/L Liberal Arts & Sci. Elective............................3
GER (6,8,9,10, or 11) 3-4
General Elective................3
15-16

Semester V
HSMB 301 Public Health Issues 3
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 3
15

Semester VI
HSMB 305 Managed Care................3
ECON 310 Economics of Healthcare..3
HSMB 307 Health Care Facility Admin.3
Liberal Arts and Sciences Elective............................3
Liberal Arts and Sciences Elective............................3
15

Semester VII
HSMB 308** HSM Internship Orientation 1
BSAD 340*** Management Communications*............3
Liberal Arts and Sciences Electives 3
HSMB 302*** Legal and Ethical Issues in Health. 3
HSMB 310 Quality and Patient Safety 3
U/L Liberal Arts and Sciences Elective 3
16

Semester VIII
HSMB 410 Senior Seminar................3
HSMB 408 Internship.................(3-12)
AND/OR Up to 4 program electives for total of 12 credits
U/L program elective.........3
General Elective................3
General Elective 3
General Elective 3
15

Total Credits: 120-122

Program Electives: ACCT, BIOL, BSAD, CHEM, CITA, CYBR, select PSYC courses, DHYG, EADM, ECON, FSAD, FSMA, HEFI, HLTH, HSMB, LEST, MINS, NURS, PHTA, VSCT, VSAD. Program must meet 7 of 10 General Education Requirements and 30 total GER credits.

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

**This course is only required for students intending to enroll in HSMB 408, Internship in the 8th semester.

***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 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	Introduction to Criminal Justice	
JUST 105	Correctional Philosophy	
JUST 110	Criminal Law	
JUST 111	Criminal Procedure	
JUST 209	Law Enforcement Communications OR BSAD 200, Business Communications	
MATH 111	Survey of Mathematics OR	
MATH 121	College Algebra	

Program Requirements

(Curriculum 2335):

Semester I — Credits
JUST 101	Introduction to Criminal Justice	3
ENGL 101	Composition and the Spoken Word	3
	MATH 111 or Higher	3
PSYC 101	Introduction to Psychology	3
CITA 110	Intro to Info. Technology	3
		15

Semester II
JUST 230	Fundamentals of Homeland Security	3
JUST 112	Criminal Law and Procedure	3
SOCI 101	Introduction to Sociology	3

	Natural Science w/ Lab (GER 5)	4
	Humanities Elec. (GER 6)	3
		16

Semester III
JUST 201	Critical Issues in Criminal Justice **	3
JUST 232	Intelligence Analysis	3
	DEISJ Elective (GER 3)	3
	American History Elective (GER 9)	3
	General Elective	3
		15

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

Semester V
JUST 326	Threats to Homeland Security	3
JUST 375	Global Terrorism: 20th Century to Present	3
JUST 380	Civil Liberties & Homeland Security	3
	General Elective	3
	General Elective	3
		15

Semester VI
JUST 314	Ethics in Criminal Justice	3
LEST 375	Immigration Law & Border Control	3
JUST 355	Public Safety Incident Response	3
	U/L Program Elective	3
	General Elective	3
		15

Semester VII
JUST 415	Emerging Issues in Homeland Security	3
JUST 425	Intelligence Research & Analysis	3
JUST 429	Intro. to Culminating Experience	1
	UL Program Elective	3
	General Elective	3
	General Elective	3
		16

Semester VIII
JUST 430	Culminating Experience in Criminal Justice OR (5) U/L Program Electives	15
		15

* 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)

Semester I — Credits
ENGL 101	Comp. and Spoken Word	3
	Physics, Chemistry OR Mathematics Elective[4,5]	4
CITA 110	Intro. to Info. Technology	3
	Program Elective[1]	3
	Program Elective[1]	3
		16

Semester II
ACCT 101	Foundations of Financial Accounting OR	
ACCT 104	Survey of Accounting	4
	Physics, Chemistry OR Mathematics Elective[4,5]	4
	Program Elective[1]	3
	Program Elective[1]	3
	Program Elective[1]	3
		17

Semester III
ECON 103	Microeconomics OR	
ECON 101	Macroeconomics	3

MATH 141	Statistics	3
	Program Elective[1]	3
	Program Elective[1]	3
	GER[2]	3
		15

Semester IV
BSAD 201	Business Law I	3
	Physics, Chemistry OR Mathematics Elective[4,5]	4
	Program Elective[1]	3
	GER2	3
	Diversity Elective	3
		16

Semester V
BSAD 340	Mgmt. Communications*	3
SOET 361	Project Management	3
	Program Elective[1] (U/D)	3
	Program Elective[1]	3
	Program Elective[1]	3
		15

Semester VI
BSAD 301	Principles of Management	3
ECON 370	Engineering Economics	3
	Program Elective[1]	3
	Program Elective[1]	3
	Liberal Arts/Science (U/D)	3
		15

Semester VII
BSAD 449	Strategic Policies & Issues	3
SOET 377	Engineering Ethics	1
SOET 430	Systems Analysis	3
CITA 371	Working with Data Visualization Tools	3
	Program Elective[1] (U/D)	3
	Liberal Arts/Science (U/D)	3
		16

Semester VIII
SOET 348	Engineering Safety	1
SOET 477	Engineering Capstone Project	3
	Business Elective[3] (U/D)	3
	Program Elective[1] (U/D)	3
	Program Elective[1] (U/D)	3
		13

* Fulfills writing intensive requirement.

L/L = Upper Level Courses (100/200).

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

GER = General Education Requirement.

Notes:

1. *Program electives selected from ACHP, AREA, BSAD, ENGS, CITA, CONS, CYBR, ELEC, GMMD, MATH, MECH, MKTX, PHYS, SOET designators. A track is required and are as follows:*

Logistics Track Required: BSAD 400 Operations/ Production Management, SOET/ BSAD 421 Six Sigma and Lean Manufacturing, GMMD 337 Design Thinking, CITA 325 or 371 Intelligence Business Software or Working With Data Visualization Tools

Quality Control Track Required: MECH 350 Quality Improvement, MATH 341 Statistics II, SOET/BSAD 421 Six Sigma and Lean Manufacturing, MECH 351 Design of Experiments

2. *General Education Requirements are GER 1, 2, 3, 4, 5 & 7*

3. *A business elective (U/D) 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 PHYS 121&125, PHYS 122&126, PHYS 131&135, PHYS 132&136, CHEM 150, CHEM155, or equivalent.*

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: *
(Curriculum 2045)

Semester I		Credits
BSAD 100	Introduction to Business	3
CITA 163	Survey of Information Tech.	3
CITA 152	Computer Logic	3
ENGL 101	Comp. & Spoken Word	3
	Mathematics Elective[1]	3
		15

Semester II		
CITA 170	Comp. Concepts & Oper. Sys.	3
CITA 175	Comp. Concepts & Oper. Sys Lab	1
CITA 171	Oper. Sys. Use & Administration	3
MATH 141	Statistics	3
	GER - DEISJ	3
	GER - Natural Science	3
		16

Semester III		
CITA 180	Intro. to Programming	4
CITA 215	Database Apps & Concepts	3
CITA 220	Data Comm & Network Tech.	3
CITA 221	Data Comm & Network Tech Lab	1
ECON 101	Macroeconomics OR	
ECON 103	Microeconomics	3
	GER Elective (7,8,9,10,11)	3
		17

Semester IV		
CITA 204	Systems Analysis and Design[2]	3
CITA 250	Information Security	3
	GER Elective (7,8,9,10,11)	3
	GER Elective	3
	GER Elective	3
		15

Semester V		
BSAD 301	Principles of Management	3
CITA 300	Management Information Sys	3
CITA 310	Web Server Administration	3
SOET 361	Project Management	3
ACCT 101	Foundations of Financial Acct.	3
		16

Semester VI		
SOET 370	Engineering Economics	3
	Program Elective - CITA/CYBR/GAME	3
	Program Elective - CITA/CYBR/GAME	3
	Program Elective - CITA/CYBR/GAME	3
	UL Program Elective - CITA/CYBR/GAME	3
		18

Semester VII		
CITA 440	Network Management	3
CITA 441	Network Management Lab	1
	UL Program Elective - CITA/CYBR/GAME	3
	UL Liberal Arts Elective	3
	UL Elective	3
	Elective	3
		16

Semester VIII		
CITA 330	Emerging Information Technology Applications	3
CITA 460	IT & Networked Economy	3
SOET 477	Capstone Project	3
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 semester-long 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
(Curriculum 0818)

Semester I		Credits
LEST 101	American Legal System	3
	MATH Elective (GER 4)	3
	American History Elective (GER 9)	3
ENGL 101	Composition & Spoken Word (GER 1, 2)	3
	Social Science Elec. (GER 7)	3
FYEP 101	First Year Experience	1
		16

Semester II		
ACCT 101	Foundations of Financial Accounting	4
BSAD 201	Business Law I	3
	Arts Elective (GER 8 - Must be Liberal Arts)	3
	Liberal Arts & Sciences Electives	6
CITA 101	Library/Info Literacy	1
		17

Semester III		
BSAD 202	Business Law II	3
LEST 221	Criminal Practice	3
	Natural Science Elective (GER 5)	3-4
	DEISJ Elective (GER 3)	3
	World Language (GER 11)	4
		16-17

Semester IV		
LEST 310	Legal Research	3
ENGL 301	Prof. Writing & Com.	3
	World History & Global Awareness Elec. (GER 10)	3
	Humanities Elec. (GER 6)	3
	Upper Level Legal Studies Elective	3
		15

Semester V		
LEST 340	Constitutional Law	3
LEST 330	Legal Writing**	3
LEST 350	Civil Litigation	3

Liberal Arts & Sciences
Electives 6
                            15

Semester VI
BSAD 319 Professional Ethics 3
LEST 449 Advanced Legal Writing ** . 3
Liberal Arts & Sciences
Electives
(U/L Recommended) 9
                            15

Semester VII
LEST 429 Internship Orientation
(If taking LEST 480 in 8th
semester) 1
Upper Level Legal Studies
Electives 6
Upper Level Liberal Arts &
Sciences Electives.............9
                         15-16

Semester VIII
LEST 480 Legal Studies Internship 3-15
OR
LEST 485 Senior Project...............3-15
AND/OR
U/L Program Electives ..3-15
                            15

Total Credits for Degree 124-127
*** Writing Intensive Course*
U/L = Upper Level Courses (300/400)
GER = General Education Requirement
U/L Legal Studies Electives: LEST 320,
LEST 360, LEST 370, LEST 375, LEST
380, LEST 388, LEST 410, and LEST
450.
U/L Program Electives: LEST 320, LEST
360, LEST 370, LEST 375, LEST 380,
LEST 388, LEST 410, LEST 450,
BSAD 301, BSAD 305, BSAD 310,
EADM 307, HSMB/NURS 302, JUST
345, and JUST 350.
NOTE: Legal Studies students must meet
all ten General Education Requirements.
Student Learning Outcomes can be found at
www.canton.edu/business/lest/.

Management-BBA

The Bachelor of Business Adminis-
tration in Management provides a solid
foundation in current management
theory and practice. Students are intro-
duced 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 govern-
ment 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 cumu-
  lative GPA of 2.0 to be admitted into
  the program.

Program Requirements:

(Curriculum 1645)

Semester I	Credits
FYEP 101 First Year Experience..........1
BSAD 100 Intro. to Business 3
CITA 110 Intro. to Information
Technology 3
ENGL 101 Composition & the Spoken
Word (GER 1,2) 3
MATH 111 or Higher
(GER 4) 3-4
Diversity: Equity Inclusion
and
SJ (GER 3) 3
                         16-17

Semester II
ACCT 101 Foundations of Financial
Accounting 4
BSAD 203 Marketing........................3
ECON 101 Macroeconomics (GER 7) . 3
American History (GER 9) ..3
Humanities (GER 6) 3
                            16

Semester III
BSAD 201 Business Law I...................3
ACCT 102 Foundations of Managerial
Accounting 3
ECON 103 Microeconomics 3
Natural Sciences Elective
(GER 5) 3
L/L Elective (BSAD/ECON/
ACCT)............................3
                            15

Semester IV
BSAD 202 Business Law II.................3
FSMA 210 Introduction to Finance......3
MATH 141 Statistics 3
World Language (GER 11)
OR
World History &
Global Awareness
(GER 10) 3
Business Elective (LL) 3
                            15

Semester V
BSAD 301 Principles of Management . 3
BSAD 310 Human Resource Mgmt. 3
BSAD 373 International Business Mgmt 3
U/L Elective
(BSAD/ECON/ACCT) 3
Business Elective (Upper
Level) 3
                            15

Semester VI
BSAD 304 Business Analytics..............3
BSAD 319 Professional Ethics* 3
BSAD 340 Mgmt. Communications ...3
General Elective................3
Business Elective
(Upper Level)..................3
                            15

Semester VII
BSAD 400 Operations Management ..3
BSAD 449 Strategic Policies and Issues 3
General Elective................3
U/L General Elective 3

U/L Elective
(BSAD/ECON/ACCT).......3
                            15

Semester VIII
BSAD 406 Cumulative Evaluation-BBA
in Management 3
BSAD 450** Business Internship AND/
OR.......................... 6-12
BSAD 410 Senior Project AND/OR 6-12
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, HSMB, SPMT, ESPT, 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 Mechan-
ical Engineering Technology (B. Tech)
program have knowledge on the applied
aspects of science and engineering
technology that demonstrate skills in
analysis, design, development, imple-
mentation, and oversight of mechanical
systems. Graduates will exhibit skills
necessary to be successful in industrial
manufacturing processes, experimental
tech-niques and procedures, machin-
ery, thermal/fluid/energy systems,
instrumentation and control systems,
heating, ventilation and air condition-
ing (HVAC) systems, and Alternative
Energy Systems dependent upon elec-
tive choices. Graduates will be success-
ful tech-nologists, field technologists,
technical managers, process and sales
engineers and will be prepared academ-
ically 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 re-
  port results for process improvement.
- Apply computer skills to design,
  interpret and analyze data, solve
  problems and prepare reports/presen-
  tations for professional communica-
  tions.
- Develop team skills through hands
  projects that require a commitment
  to quality, timeliness, and continu-

ous improvement while maintain-
ing 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, Electron-
  ics Manufacturing, Construction and
  Fabrication, Machining & Metal-
  working, Manufacturing (electronics,
  mechanical, defense, energy, Medical
  Products Packaging, Plant Engineer-
  ing & Maintenance, Plastics Molding
  & Manufacturing, Product Design &
  Development, and Rapid Prototyp-
  ing, Quality Assurance, Robotics,
  Supply Chain Management, and
  Graduate School.

Accreditation

Accredited by the Engineering Technol-
ogy Accreditation Commission (ETAC)
of ABET, 415 N. Charles Street Bal-
timore, 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 institu-
  tions of higher learning with some
  coursework completed will be evalu-
  ated on case-by-case bases.
- Refer to the table of high school
  course prerequisites for admission.

Program Requirements:

(Curriculum 0235

Semester I	Credits
MATH 123 Pre-Calculus (GER 1) 4
MECH 121 Manufacturing Processes I 3
ENGS 101 Intro. to Engineering 2
PHYS 121/131 College/University
Physics I (GER 2) 3
PHY 125/135 Physics Lab 1 GER 2) ...1
MECH 101 Drawing for Engineers 1
                            14

Semester II
MATH 161 Calculus I (GER 1)............4
ENGL 101 Composition & 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
MECH 122 Introduction to 3D Printing 1

Elective [1] 2

$\overline{16}$

Semester III
MATH 162 Calculus II (GER 1)...........4
ENGS 201 Statics 3
ELEC 261 MET Electricity...................4
MECH 241/ENGS 314 Fluid
      Mechanics I.....................3
MECH 242 Fluid Power lab................1
      GER (6,7, 8,9,10,11)[2] 3

$\overline{18}$

Semester IV
ENGS 203 Engineering Strength of
      Materials.........................3
ENGS 205 Material Science 3
MECH 221 MET Lab3.......................1
MECH 301/ ENGS 202 Technical
      Dynamics/Dynamics 3
MECH 303 GD&T (Geometric
      Dimensioning and
      Tolerancing) 2
      Diversity Elective..............3

$\overline{15}$

Semester V
      Elective (300 or 400 level)[4] 3
ENGS 350 Mechanics of Machine
      Elements 4
MECH 342 Thermodynamics 3
MATH 364 Differential Equations.......4
ENGS 102 Programming for
      Engineers 2

$\overline{16}$

Semester VI
MECH 343 Heat Transfer...................3
MECH 312 Engineering Design..........3
SOET 400 Technical Communication..3
MATH 141 Statistics 3
      Elective (300 or 400 level)[4] 3

$\overline{15}$

Semester VII
MECH 377 Capstone Research &
      Proposal...........................2
      Elective (300 or 400 level)[4] 3
      Elective (300 or 400 level)[4] 3
      GER Elective
      (6, 7, 8, 9, 10, 11)[2] 3
      GER Elective (
      6, 7, 8, 9, 10, 11)[2] 3
MKTX 310 Instrumentation and
      Controls 3

$\overline{17}$

Semester VIII
MECH 477 Capstone Project 3
ECON 370 Engineering Economics 3
SOET 377 Engineering Ethics[6]............1
Elective (300 or 400 level)[4,5] 3
 Elective (300 or 400 level)[4,5] 3

$\overline{13}$

1 Program electives selected from ACHP, AREA, ENGS, CITA, CONS, ELEC, MATH, MECH, SOET designators and AUTO 104.
2 Must complete 7 of 11 GERS and 30 total credits. Required GERs: (1/2), 3, 4, and 5. Need to pick 3 others.
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. BSAD 421 can also be used.
5 MECH 480 Co-Op can be equivalent up to 6 credit hours.
6 Can substitute SOET 378 or BSAD 319 if desired.
  Student Learning Outcomes can be found at www.canton.edu/csoet/mech/.

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 life-world, 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:

- 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 nursing 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 communities.

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:

(Curriculum 0291)

Semester I	Credits
NURS 300 Conceptual Frameworks in Nursing............................	3
NURS 303 Health Assessment In Nursing............................	4
MATH 111 Survey of Math OR	
MATH 121 College Algebra*..........3-4	
Liberal Arts Elec. (GER 4,5,6,7,8, 9)	3
BIOL 335 Pathophysiology................	3
	16-17

Semester II	
NURS 302 Legal & Ethical Iss. in Healthcare	3
NURS 304 Health Promotion & Restoration	3
BIOL 310 The Genome	3
MATH 141 Statistics	3
SOCI 101 Intro to Sociology	3
Lib. Arts Elective (GER 4,5,6,7,8, 9)	3
	18

Semester III	
NURS 370 Research Methods in Health Sci.	3
NURS 400 Nursing Mgmt & Leadership **	3
Lib. Arts Elective (GER 4,5,6,7,8, 9)	3
U/L Lib. Arts Elec. (GER)	3
U/L Lib. Arts Elec. (GER)	3
	15

Semester IV	
NURS 402 Community Health Nursing	4
NURS 403 Transcultural 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

—Students must pass all courses with a

grade of "C" or better prior to 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 baccalaureate 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 decision-making.
- 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 the skills laboratory to build competencies
- Participate in clinical practicums, including clinical assignments locally and at SUNY Upstate Medical

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 2373)

Semester I	Credits
BIOL 217 Anatomy and Physiology I	4
ENGL 101 Composition and the Spoken Word	3
PSYC 101 Introduction to Psychology	3
MATH111 Survey of Math OR MATH 121 College Algebra	3
SOCI 101: Introduction to Sociology	3
	16

Semester II	
BIOL 218 Anatomy and Physiology II	4
PSYC 225 Human Development or PSYC 220 Child Development	3
MATH 141 Statistics	3
Liberal Arts Elective (GER 6,8,9,10, or 11))	3
Liberal Arts Elective (GER 6,8,9,10, or 11))	3
	16

Semester III	
BIOL 209 Microbiology	4
NURS 101 Nursing Fundamentals	6
NURS 103 Pharmacology	1
NURS 105 Nursing Seminar	1
Liberal Arts Elective (GER 3: DEISJ)	3
	15

Semester IV	
NURS 106 Maternal Newborn Nursing	4.5
NURS 107 Mental Health Nursing	4.5
NURS 104 Pharmacology	1
BIOL 310 The Genome	3
U/L Liberal Arts Elective (GER if needed)	3
	16

Semester V	
BIOL 335 Pathophysiology	3
NURS 200 Pharmacology	1
NURS 201 Medical Surgical Nursing I	10
BIOL 310 The Genome	3
U/L Liberal Arts Elective (GER if needed)	3
	17

Semester VI	
NURS 202 Medical Surgical Nursing II	10
NURS 203 Professional Issues & Trends in Nursing	1
NURS 204 Pharmacology	1
U/L Liberal Arts Elective (GER if needed)	3
	15

Semester VII	
NURS 300 Conceptual Frameworks	3
NURS 302 Ethical and Legal Issues	3
NURS 303 Health Assessment	4
NURS 304 Health Promotion and Restoration	3
Upper Liberal Arts Elective	3
	16

Semester VIII	
NURS 370 Research Methods in the Health Sciences	3
NURS 400 Nursing Mgmt. and Leadership	3
NURS 402 Community Health Nursing	4
NURS 403 Transcultural Nursing	2
Upper Liberal Arts Elective	3
	15

#Writing Intensive
* A grade of "C+" or better is required for successful completion of all 100/200 level Nursing courses and a "C" or better in all 300/400 level Nursing and co-requisite courses.
† GER 4 Mathematics is infused within this course.
1. Students who have not met the prerequisite for MATH 141 Statistics must take MATH 111 Survey of Math or MATH 121 College Algebra; students who have already taken Statistics or have met the pre-requisite for Statistics can take an alternate Liberal Arts course.
2. Once enrolled in NURS 101, students must complete the program within four years.
NOTE: Successful completion of all co-requisite courses in a semester and a semester GPA of 2.0 or better is required to con-tinue in the program.

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 who do not meet the Requirements to enroll in Math 106 or English 101 will need to take an additional course(s) that will prepare them for subsequent enrollment in those two courses.

Program Requirements
(Curriculum 0182)

Semester I	Credits
SPMT 100 Major Prep	1
SPMT 101 Foundations of Sports Management	3
BSAD 100 Introduction to Business	3
ENGL 101 Composition & the Spoken Word	3
Math (GER 4)*	3-4
GER (6, 8, 9, 10, 11)	3
	15-16

Semester II	
SPMT 240 Sport Governance	3
ACCT 101 Foundations of Financial Accounting	4
GER 7 (Intro to Soc. recommended)	3
GER (6, 8, 9, 10, 11)	3
GER (6, 8, 9, 10, 11)	3
	16-17

Semester III	
SPMT 202 Sport in Society	3
ECON 103 Microeconomics (GER 7)	3
BSAD 201 Business Law I	3
Natural Science (GER 5)	3-4
Diversity (GER 3)	3
	15

Semester IV	
SPMT 241 Legal Issues in Sport	3
SPMT 242 Sports Finance	3
BSAD 203 Marketing	3
SPMT 311 Sports Information	3
GER (1-11)	3
	15

Semester V	
SPMT 203 Leadership for Sports Professionals	3
SPMT 307 Sports Marketing	3
SPMT 411 Sports Public Relations*	3
BSAD 301 Principles of Management	3
SPMT 308 Sports Event Management	3
	15

Semester VI	
SPMT 306 Sports Operations & Facilities Mgt	3

BSAD 310 Human Resource
    Management....................3
SPMT 320 Global Sports Perspectives .3
    U/L Program Elective.........3
    General Elective** 3
                         15

Semester VII
SPMT 410 Orienta. to Culminating
    Experience.......................1
SPMT 415 Sports Media &
    Broadcasting 3
    U/L Program Elective.........3
    U/L Program Elective.........3
    General Elective...............3
    General Elective...............3
                         16

Semester VIII
Sport Management Internship (421)
    OR Senior Project (422) OR
    U/L Program Electives or
    Combination of:
    Internship OR Senior Project
    OR:
    U/L Program Electives .3-15
                         15

Students may also combine an intern-
    ship with Upper Level elective. Intern-
    ship 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 intern-
    ship.

Upper Level Program Electives:
SPMT 300 SPMT Practicum 1-3
SPMT 312 Sport Entrepreneurship......3
SPMT 313 Economics of Sport 3
SPMT 412 Sport Sales and
    Sponsorships...................3
SPMT 413 Contemporary Issues in
    College Sport
    Administration 3
SPMT 414 Labor Relations in Sport.....3
SPMT 430 Advanced Sports Marketing
    & Sales 3
SPMT 431 Applied Sports Media and
    Broadcasting 3
SPMT 432 Applied Sports Event
    Management...................3

(Upper level BSAD, ECON, FSMA,
    HEFI, PSYC, ESPT, courses also ac-
    cepted as Program 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 culti-vating expertise in the latest technology for building community and sharing ideas. The program offers an oppor-tunity to explore writing for multime-dia, database applications, presentation tools, application design, and digital mapping, all while considering audi-ence, context, and the literary, architec-tural, interactive, and design elements of media.

Students learn vital workplace skills including professional and media writ-ing, a variety of communications meth-ods designed to reach general and specialized audiences, and learn best practices in the field of Technologi-cal Communications to craft innova-tive projects as part of guided internship experiences. Graduates are well-qualified for entry-level professional opportunities in fields such as public relations, advertising, and cultural heri-tage, as well as businesses and nonprofit organizations looking for trained writ-ers 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 map-ping content to create powerful narratives designed for a variety of media channels.

• Work closely with expert faculty mentors to learn to effectively pres-ent, organize, and articulate thoughts, ideas, viewpoints, and conclusions both orally and/or in writing.

• Gain significant practical experience with internships focusing on devel-opment 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 oppor-tunities in:

• Advertising
• Public Relations
• Web/Social Media Content Manage-ment
• 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-regis-tration requirements to be considered for admission.

Program Requirements

(Curriculum 2673)

Semester I	Credits
TCOM 100 Intro. to Technological Communications 3	
Math Elective (GER 4) 3-4	
American History Elective (GER 9) 3	
ENGL 101 Composition and the Spoken Word (GER 10) 3	
Social Science Elec. (GER 7) 3	
FYEP 101 First Year Experience...........1	
	17-18

Semester II
DEISJ (GER 3) 3
Arts Elective (GER 8) 3
ENGL/TCOM 200 Narrative Form in
    Video Games 3
Humanities Elec. (GER 6)...3
General Elective 3
                16-17

Semester III
ENGL 270 Media Writing*.................3
ENGL/TCOM 314 Digital Graphic
    Storytelling 3
Science Elective (GER 5)..3-4
World Language (GER 11) .4
General Elective 3
                15

Semester IV
ENGL 380 Intercultural
    Communications 3
ENGL/TCOM 322 Mobile Media
    Stories & Games..............3
ENGL 370 Artificial Intelligence and
    Communications 3
World History and Global
    Awareness (GER 10) 3
Program Elective 3
                15

Semester V
TCOM 310 Identity in the Digital Age .3
ENGL 301 Professional Writing...........3
ENGL 302 Global Englishes...............3
Program Elective 3
General Elective 3
                15

Semester VI
TCOM 330 Digital Narratives
    Workshop.......................3
TCOM/ENGL 345 Electronic Lit. 3
Program Elective
    (U/L Recommended) 3
Program or Liberal Arts
    Elective (U/L Recomm.) 6
                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) 6
                15

Semester VIII
TCOM 410 Internship II 3
TCOM 420 Senior Seminar.................3
Program Elective
    (U/L Recommended) 3
Program or Liberal Arts
    Elective (U/L) 6
                15

Fulfills writing intensive requirement.
U/L = Upper Level Courses (300/400)
GER = General Education Requirement
Program Electives: ENGL and GRST

Veterinary Service Administration–BBA

A 2-year (minimum) degree from any AVMA-accredited program in Veteri-nary Science Technology or Veterinary Technology fulfills the first two years of SUNY Canton's Bachelor of Busi-ness Administration (BBA) program in Veterinary Service Administration In years 3 and 4, a foundation is estab-lished in basic business and account-ing principles, which are then applied to the management of specific types of veterinary businesses and institutions. Students are thereby provided with the knowledge and skills necessary to manage a business or organization that provides veterinary care to animals. Students will finish the program with an internship concentrating on manage-ment and administration within a veteri-nary 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 manage-ment positions in veterinary hospitals or other veterinary industries or orga-nizations.

• Will complete the course work required for Certified Veterinary Practice Manager (CVPM) certifica-tion.

Career Opportunities:

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

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.

REQUIREMENTS FOR ADMISSION INTO JUNIOR YEAR OF PROGRAM:

- Graduation from an AVMA-accredited Veterinary Technology or Veterinary Science Technology program.
- Either Veterinary Technician licensure/registration/certification, as applicable in for state of residency, OR eligibility thereof.

Program Requirements:

(Curriculum 2535)
Semester V
ACCT 101 Foundations of Financial Accounting 4
BSAD 201 Business Law I 3
BSAD 340 Management Communications* 3
MATH 111 Survey of Mathematics or Higher 3
Liberal Arts Elective (GER if needed) ...3
16-17

Semester VI
BSAD 215 Small Business Mgmt. 3
VSAD 301 Veterinary Practice Management 3
BSAD 310 Human Resource Management 3
HLTH 303 Occupational Health and Safety 3
U/L Liberal Arts Elective (GER if needed) 3
15

Semester VII
HSMB 301 Public Health Issues 3
BSAD 301 Principles of Management . 3
VSAD 302 Animal Care Institution Management 3
VSAD 308 Veterinary Service Admin. Internship Orientation 1
VSAD 402 Veterinary Business & Financial Management 3
U/L Liberal Arts Elective (GER if needed) 3
16

Semester VIII
VSAD 408 Internship for Veterinary Service Administration....12
Upper-Level General Elective............................3
15

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:

- 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 Two vaccinations

and must be completed during or prior to the semester student is enrolled in VSCT 101.

Program Requirements:

(Curriculum 2278)

Semester I	Credits
VSCT 101 Fundamental Vet. Nursing Skills I	2
VSCT 103 Intro. to Animal Agriculture	2
BIOL 150 College Biology I	4
CHEM 150 College Chemistry I	4
ENGL 101 Expository Writing OR ENGL 101 Composition & Spoken Word	3
	15

Semester II
VSCT 104 Veterinary Office Practices . 1
VSCT 114 Animal Anatomy & Physiology 3
VSCT 115 Fundamental Vet. Nursing Skills II 2
BIOL 155 College Biology II 4
CHEM 155 College Chemistry II 4
DEISJ (GER 5) 3
17

Semester III
VSCT 206 Anesthetic Principles 3
VSCT 207 Health & Disease of Farm Animals 3
BIOL 209 Microbiology 4
Math Elective (GER 1) † ..3-4
Lib.Arts Elec. (GER 4, 5, 6, 7,8, 9) 3
16-17

Semester IV
VSCT 112 Vet. Clinical Pathology I 3
VSCT 201 Veterinary Technology Preceptorship I 1
VSCT 212 Research Animal Techniques 1
VSCT 213 Practical Nutrition 2
PSYC 101 Introductory to Psychology . 3
Lib.Arts Elec. (GER 4, 5, 6, 7,8, 9) 3
U/L Program Elective 3
16

Semester V
VSCT 202 Vet. 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 209 Veterinary Technology Preceptorship II 1
U/L Program Elective 3
U/L Liberal Arts Elective 3
17

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 CHEM 3
U/L Program Electives 9
U/L Liberal Arts Elective 3
15

Semester VIII
U/L Program Electives 9
U/L Liberal Arts Elective 6
15

† 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/.

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:

- 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
$\overline{30\text{-}32}$

* 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 Technician
- 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
MATH 101 Applied College Mathematics [1]	4
AUTO 112 Automotive Electrical Systems	3
AUTO 122 Automotive Electrical Systems Lab	1
AUTO 101 Automotive Service	2
AUTO 111 Automotive Service Lab	1
AUTO 104 Basic Welding	2
ENGL 101 Composition & The Spoken Word (GER 10)	3
	16

Semester II	
AUTO 113 Engine Performance I	3
AUTO 114 Engine Performance I Lab.	1
AUTO 141 Automotive Brake Systems	3
AUTO 144 Automotive Brake Systems Lab	1
AUTO102/103 Diesel Engines or Automotive Air Conditioning [3]	2
Social Science Elective (GER 3)	3
GER 5, DEISJ Elective	3
	16

Semester III	
AUTO 213 Engine Performance II	4
AUTO 218 Auto. Engine Repair [4]	3
AUTO 241 Suspension Design and Services	2
AUTO 225 Drivelines and Manual Transmissions	3
AUTO 282 Suspension Design and Services Lab	1
PHYS 115 Basic Physics 2 (GER 2)	4
	17

Semester IV	
AUTO 212 Automotive Electrical Systems II	4
AUTO 214 Automotive Computer Systems	3
AUTO 230 Service Mgt. and Operations	1
AUTO 240 Hybrids and Electric Vehicles	3
Humanities Elective (GER 7, 8, 9)	3
	14

1 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 GER's can be taken in a different order than suggested if desired GER cannot fit into schedule.

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 positions
- Tax 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
- Loan Specialist
- Account Clerk
- 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 College
- LeMoyne College
- Rochester Institute of Technology
- Syracuse University
- University of Vermont
  Students wishing to transfer into a four-year 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:

(Curriculum 0630)

Semester I	Credits
FYEP 101 First Year Experience	1

Semester I	
ACCT 101 Foundations of Financial Accounting[1]	4
ECON 101 Macroeconomics	3
ENGL 101 Composition & the Spoken Word (GER 1,2)	3
CITA 110 Intro. to Information Technology	3
Mathematics*[2] (GER 4)	3-4
	17-18

Semester II	
ACCT 102 Foundations of Managerial Accounting[1]	3
ECON 103 Microeconomics	3
Mathematics (GER 4)[2]	3-4
BSAD 200 Business Comm.**	3
Natural Sciences Elective (GER 5)	3
	15-16

Semester III	
ACCT 300 Intermediate Accounting	3
ACCT 306 Cost Accounting	3
BSAD 201 Business Law I	3
DEISJ Elective (GER 3)	3
Program Elective	3
	15

Semester IV	
Accounting Electives (2)	6
FSMA 210 Introduction to Finance	3
Program Elective or GER (6,8,9,10,11)[3]***	3
General Elective or GER (6,8,9,10,11)[3]***	3
	15

*** Fulfills writing intensive requirement.*

GER = General Education Requirement

[1] Lowest acceptable grade 2.0.

[2] Lowest acceptable level: Intermediate Algebra (MATH 106). Math courses recommended: College Algebra and Statistics.

[3] Management 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.

[3] GER = 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 I	Credits
FYEP 101 First Year Experience***	1
ACCT 101 Foundations of Financial Accounting	4
BSAD 100 Introduction to Business	3
ECON 101 Macroeconomics (GER 7)	3
ENGL 101 Composition & the Spoken Word (GER 1,2)	3
Mathematics* (GER 4)	3-4
	17-18

Semester II	
ACCT 102 Foundations of Managerial Accounting	3
CITA 110 Intro. to Information Technology	3
ECON 103 Microeconomics	3
GER(6,8,9,10)	3
MATH 141 Statistics	3
	15

Semester III	
BSAD 200 Business Comm.**	3
BSAD 201 Business Law I	3
Program Elective	3
DEISJ (GER 3)	3
Natural Sciences (GER 5)	3
	15

Semester IV	
FSMA 210 Introduction to Finance	3
Program Elective	3
Program Elective	3
GER (6,8,9,10)	3
GER 11	4
	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
ACCT 101 Foundations of Financial Accounting	4
BSAD 100 Intro. to Business	3
ECON 101 Macroeconomics (GER 7)	3
ENGL 101 Composition & the Spoken Word (GER 1,2)	3
Mathematics*	3-4
	17-18

Semester II	
ACCT 102 Foundations of Managerial Accounting	3
CITA 110 Intro. to Information Technology	3
ECON 103 Microeconomics	3
Natural Sciences Elective (GER 5)	3-4
Mathematics* (GER 4)	3-4
	15-17

Semester III	
BSAD 200 Business Comm.**	3
BSAD 201 Business Law I	3
Program Elective	3
GER (6,8,9,10,11) OR Liberal Arts & Sciences Electives	3
DEISJ Elective (GER 3)	3
	15

Semester IV	
FSMA 210 Introduction to Finance	3
Program Elective	3
Program Elective	3
General Elective	3
GER (6,8,9,10,11) OR General Elective	3
	15

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:

Graduates have gone to work at the following companies, as a few example: NYS Department of Transportation, Atlantic Testing Laboratories, CIVES Steel Corp. C&S Cos. General Contracting, Northeast Construction Services, Inc., Bette and Bring Construction Group, Advanced Testing Labs, Barrett Paving, Northland Construction, Stebbins Engineering, and Army Corps of Engineers.

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 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 0517)

Semester I	Credits
ENGS 101 Intro to Engineering	2
SOET 116 Intro. to Computer Drawing	2
CONS 101 Elementary Surveying	4
MATH 123 Pre-Calculus1	4
PHYS 121/131 College/Univ. Physics I	3
PHYS 125/135 College/Univ. Physics I Lab	1
	16

Semester II	
ENGS 201 Statics	3
SOET 250 Intro 3D CADD and BIM	2
MATH 161 Calculus I1	4
PHYS 122/132 College/Univ. Physics II	3
PHYS 126/136 College/Univ.Physics II Lab	1
ENGL 101 Composition and the Spoken Word	3
	16

Semester III	
CONS 203 Advanced Surveying	3
ENGS 203 Strength of Materials for Tech.	3
CONS 275 Strength of Materials Lab	1
CONS 280 Civil Engin. Materials	3
CONS 222 Construction Estimating	2
Diversity GER (3)	3
	15

Semester IV	
Technical Program Elective3	3
CONS 216 Soils In Construction2	4
CONS 322 Hydraulics	4
CONS 274 Construction Mgmt.	3
Humanities GER (6,7,8, 9, 10 or 11).	3
	17

Total Required Program Credits = 64

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

2 Writing Intensive

3 Must be approved technical program elective with CONS or CIVL course designator, or approved by advisor/ department chair.

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:
(Curriculum 0581-01)

Semester I	Credits
BSAD 100 Introduction to Business	3
CITA 163 Survey of Info. Technology1	3
CITA 152 Computer Logic1	3
ENGL 101 Comp. & Spoken Word	3
Mathematics Elective2	3
	15

Semester II	
CITA 170 Comp. Concepts & Oper. Sys1	3
CITA 175 Comp. Concepts & Oper. Sys Lab1	1
CITA 171 Oper. Sys. Use & Admin.1	3
CITA 202 Computer User Support*1	3
SPCH 104 Introduction to Speech	3
Math or Science Elective 2	3
	16

Semester III	
ACCT 104 Survey of Accounting6	4
CITA 220 Data Comm and Network Tech1	3
CITA 221 Data Comm and Net. Tech Lab1	1
ECON 101 Macroeconomics OR	
ECON 103 Microeconomics	3
2–CIS Program Electives: SOET, Business School, CYBR, GAME, and GMMD	6
	17

Semester IV	
CITA 250 Information Security1	3
Social Science Elective7	3
CIS Program Electives: SOET, Business School, CYBR, GAME, and GMMD	3
Elective Liberal Arts	3
GER - Diversity: Equity, Inclusion, and Social Justice	3
	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 well-equipped computer labs on campus, it is expected each student has a personal computer.

1 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:

Graduates have gone to work at the following companies, as a few example: Atlantic Testing Laboratories, CIVES Steel Corp. C&S Cos. General Contracting, Northeast Construction Services, Inc., Advanced Testing Labs, Barrett Paving, Northland Construction, Tuscarora Construction, and Jeffords Steel Inc.

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
CITA 108 Intro to Spreadsheets.........1
FYEP 101 First Year Experience.........1
CONS 112 Wood Structures 3
SOET 116 Intro. to Comp. Drawing ...2
BSAD 100 Intro to Business................3
ENGL 101 Composition and the
    Spoken Word 3
MATH 106 Intermediate Algebra 3
            15

Semester II
CONS 111 Commercial Structures 3
CONS 132 Construction Drafting.......3
CITA 109 Intermediate Spreadsheets.1
PHYS 115 Basic Physics 4
MATH 123 Pre-Calculus[1]...............3-4
            14

Semester III
CONS 101 Elementary Surveying.......4
CONS 222 Construction Estimating... 2
CONS 280 Civil Engin. Materials 3
BSAD 201 Business Law I...................3
ACCT 104 Survey of Accounting 4
            16

Semester IV
CONS 274 Construction Mgmt. 3
CONS 216 Soils in Construction[2] 4
    Diversity GenEd Elective
    (GER 3) 3
    GenEd Elective
    (GER 6, 7, 8, 9, 10, or 11).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, 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 Word 3
CITA 110 Intro. to Info.Technology 3
MATH 106 Intermediate Algebra** 3
PSYC 101 Introductory Psychology 3
            15

Semester II
JUST 105 Correctional Philosophy.....3
JUST 112 Criminal Law and Procedure3
SOCI 101 Introduction to Sociology ...3
    Humanities Elective (GER)..3
    Natural Science w/Lab
    (GER) 3-4
           15-16

Emphasis A: Law Enforcement
Semester III
JUST 201 Critical Issues in Crim.
    Justice * 3
JUST 209 Law Enforce.
    Communications 3
    American History Elective
    (GER) 3
    Lib. Arts Elective (any GER) 3
    General Elective................3
            15

Semester IV
JUST 203 Criminal Investigation 3
JUST 207 Police Services...................3
JUST 210 Intro to Forensic
    Investigations 3
    Lib. Arts Elective
    (GER 5, 6, 8, 9) 3
    Lib. Arts Elective (any GER) 3
            15
OR

Emphasis B: Corrections Professions
Semester III
JUST 201 Critical Issues in Crim.
    Justice * 3
JUST 211 Diagnostic Eval of Offender 3
    American History Elec. (GER) 3
    Lib. Arts Elective
    (GER 5, 6, 8, 9) 3
    General Elective................3
            15

Semester IV
JUST 215 Community Based
    Corrections 3
    Program Electives.............6
PSYC 275 Abnormal Psychology........3
SSCI 181 Alcohol Drugs & Society 3
            15
OR

Emphasis C: Criminal Justice Generalist
Semester III
JUST 201 Critical Issues in Crim.
    Justice * 3
JUST 209 Law Enforce.
    Communications OR
JUST 211 Diagnostic Eval of Offender 3
    American History Elective
    (GER) 3
    Lib. Arts Elective (any GER) 3

General Elective...............3
_____
15

SEMESTER IV
Program Electives..............9
Lib. Arts Elective
  (GER 5, 6, 8, 9)..............3
Lib. Arts Elective (any GER) 3
_____
15

Fulfills writing intensive requirement.
GER = General Education Requirement

** 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 early childhood 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, and Children's Programming [museums/libraries].

- 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. Students can begin enrollment in fall, summer, 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 Home-Based 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's 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 Cortland, 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: Mandated Reporter Identification of Child Abuse & Neglect and Building on the 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 field 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 field experiences in centers and programs near their residence and attend seminars virtually.

(Curriculum 1327)

Semester I	Credits
FYEP 101 First Year Experience	1
ECHD 101 Intro. to Early Childhood (GER 7)	3
ENGL 101 Composition & the Spoken Word	3
PSYC 101 Introduction to Psychology	3
Science Elec. (GER 5)	3-4
DEISJ Elective (GER 3)	3
	16-17

Semester II	
ECHD 121 Wellness in Young Child	3
ECHD 131 Infants and Toddlers	3
PSYC 220 Child Development	3
Math Elective (GER 1)	3
GER (6,8,9,10,11)	3
	15

Semester III	
ECHD 105 Orientation to EC Field Experience	1
ECHD 125 Curriculum Development	3
ECHD 250 Children with Special Needs	3
ECHD 285* Iss. & Policies in Early Care & Ed.*	3
GER (6,8,9,10,11)	3
General Elective	3
	16-17

Semester IV	
ECHD 201 Early Childhood Field Experiences w/Seminar	4
ECHD 204 Early Childhood Observation	3
ECHD 200 Planning Programs for Young Children	3
General Elective	3
General Elective	3
	16

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

(1) 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 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; 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 Engineer-

ing 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 Authority
- TRC
- C & S Engineers, Inc.
- NYSEG
- Verizon

Bachelor's Degree in Electrical Engineering Technology 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 I 3
ELEC 109 Electric Circuits I Lab. 1
ELEC 161 Electronic Fabrication 2
SOET 116 Intro to CAD and Design ...2
ENGL 101 Composition & the Spoken Word 3
MATH 123 Pre-Calculus Algebra 4
FYEP 101 First Year Experience 1
                                                        16

Semester II
ELEC 102 Electric Circuits II...............3
ELEC 129 Electric Circuits II Lab. 1
ELEC 141 Industrial Controls.............2
ELEC 165 Digital Fund & Systems......3
ELEC 166 Digital Fund & Systems Lab 1
Diversity Elective Course (GER 3) 3

MATH 161 Calculus I.......................4
                                                        17

Semester III
ELEC 213 Microprocessors * 3
ELEC 215 Electrical Energy Con. 4
ELEC 231 Electronic Circuits.............4
ENGS 102 Program. for Engineers 2
PHYS 121/131 College Physics I OR University Physics I 3
PHYS 125/135 Physics Lab I.............1
                                                        17

Semester IV
ELEC 203 Engineering Technology Project............................1
ELEC 225/383 Telecommunications OR Power Trans. & Distribution 3
ELEC 332 Industrial Electronics..........3
ELEC 243 Computer Auto Control Systems..........................2
PHYS 122/132 College Physics II OR University Physics II 3
PHYS 126/136 Physics Lab II............1
SOET 377 *Engineering Ethics 1
                                                        14

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.

Semester I   **Credits**
ENGS 101 Intro. to Engineering 2
CHEM 150 College Chemistry I 4
ENGL 101 Composition & the Spoken Word 3
MATH 161 Calculus I.......................4
PHYS 131 University Physics I 3
PHYS 135 University Physics Lab I 1
                                                        17

Semester II
ENGS 102 Program. For Engineers....2
CHEM 155 College Chemistry II 4

Diversity Elective (GER 3) ...3
MATH 162 Calculus II 4
PHYS 132 University Physics II............3
PHYS 136 University Physics Lab II 1
                                                        17

Semester III
ENGS 201 Statics 3
ENGS 205 Nature & Properties of Materials.......................3
MATH 263 Calculus III 4
ECON 103 Principle of Microeconomics 3
Program Elective * 3
                                                        16

Semester IV
ENGS 202 Dynamics 3
ENGS 263 Electric Circuits 3
ENGS 264 Electric Circuits Lab..........1
Program Elective ** 3
MATH 364 Differential Equations 4
                                                        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:

(Curriculum 2208)

Semester I	Credits
ENGS 101 Intro. to Engineering	2
Technical Design OR Drafting	2-3
ENGL 101 Composition and the Spoken Word	3
MATH 123 Pre-Calculus Algebra	4
PHYS 121 College Physics I	3
PHYS 125 Physics I Lab	1
	15-16

Semester II	
ENGS 102 Program. for Engineers	2
MECH 128 Electromechanical Tech.	3
GER 3 - Diversity Elective	3
Math Elective**	4
Science Elective w/lab	4
	16

Semester III	
Program Elective***	9
Math Elective **	3
Humanities Elective ..	3
	15

Semester IV	
Program Electives***	12
General Elective	3
	15

* 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 condi-

tioning 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 Tech-

nology 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 Comp. & Spoken Word	3
MATH 123 Pre-Calculus Algebra	4
SOET 116 Computer Drafting	2
PHYS 121/131 College or University Physics I	3
PHYS 125/135 College or Univ. Physics Lab I	1
	15

Semester II	
GER 6 Huminanities Elective GER 6	3
MATH 161 Calculus 1	4
HVAC 101 Refrigeration I Lab	2
HVAC 102 Refrigeration I Lab	2
SOET 250 Intro to 3D CAD and BIM	2
CITA 220 Data Comm. and Networking	3
CITA 221 Data Comm. and Networking Lab	1
	17

Semester III	
ACHP 243 Air Conditioning I	3
ACHP 253 Domestic and Comm. Heating I	4
HVAC 201 HVAC Electrical and Motor Controls	2
HVAC 202 HVAC Electrical and Motor Controls Lab	2
MECH 241/ENGS 314 Fluid Mechanics	3
HVAC 110 Plumbing	3
	17

Semester IV	
ACHP 254 Domestic and Comm. Heating II	4
ACHP 264 Air Conditioning System Design	1
PHYS 122/133 College or University Physics II	3
PHYS 126/136 College or Univ. Physics Lab II	1
ACHP 201 Building Controls	3
GER 3 GER Elective Diversity	3
	15

* 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 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
MATH 106 Intermediate Algebra	3
ENGL 101 Composition and the Spoken Word (GER 1&2)	3
HVAC 103 Hydronics	3
HVAC 104 Hydronics Lab	2
CITA 110 Intro to Info. Technology	1
CONS 151 Building Trades – Blueprint Reading & Drafting	2
	16

Semester II	
HVAC 101 Refrigeration I	2
HVAC 102 Refrigeration I Lab	3
HVAC 105 Forced Air Systems	3
HVAC 106 Forced Air Systems Lab	2
HVAC 110 Plumbing	2
Liberal Arts Elective	3
	15

Semester III	
HVAC 201 HVAC Elec. and Motor Control	2
HVAC 202 HVAC Elec. Motor Controls Lab	2
HVAC 205 HVAC Service and Repair Coordination	3
General Elective	3
General Elective	3
GER Elective [6]	3
	16

Semester IV	
HVAC 203 Commercial Refrigeration	2
HVAC 204 Commercial Refrig. Lab II	3
ACHP 105 Refrigeration SYSTEM Design	2
AREA 210 Sustainable Building	3
GER Elective	3
	13

1 Mathematics level depends on previous preparation. Applied College Mathematics (MATH 101) is the minimum requirement. Math 106 Intermediately Graduation Requirements: Total Semester Credit Hours – G.P.A. 2.0 min.

Student Learning Outcomes can be found at www.canton.edu/csoet/hvac-aos/.

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 (ENGL 101).
- Transfer students must meet re-registration requirements.

Transfer Opportunities:

- SUNY Canton
- 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/Humanities	6
Social Science	6
Natural Sciences and/or Mathematics	6
Applied Electives *	21
Liberal Arts Elective	3
General Electives	18
First Year Experience	1
	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.

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 Comp. & the Spoken Word	3
FYEP 101 First Year Experience	1
Literature OR Humanities GER 6	3
Humanities Elective	3
The Arts OR World Language (GER 8, 9 11)	3
US History OR World History (GER 9,10)	3
Diversity: Equity, Inclusion & Social Justice (GER 3)	3
Social Science (GER 7)	3
GER Elective	3
Mathematics (GER 4) [1]	3
Natural Science (GER 5) [2]	4
Liberal Arts Electives	15
General Electives	15

The AA Degree requires minimum, 45 semester hours In Liberal Arts

60-624

AS DEGREE	
ENGL 101 Composition & Spoken Word	3
FYEP 101 First Year Experience	1
Literature OR Humanities GER 6	3
The Arts or World Language (GER 8, 9 11)	3
US History OR World History (GER 9,10)	3
Diversity: Equity, Inclusion & SJ (GER 3)	3
Social Science (GER 7)	3
Mathematics (GER 4) [1]	3
Lab Science (GER 5) [2]	4
Liberal Arts Electives	6
General Electives	30

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 genera-tion, employment opportuni-ties exist in CAD Design, product/system testing, quality improvement, and techni-cal services support. The MET program is appro-priate for individuals who like hands-on experience, enjoy technology, and aspire to the challenge of experi-mentation 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 Math-ematics to commence their career immediately upon graduation or to continue with the pursuit of a bac-calaureate degree.
- Apply computer skills to design, interpret and analyze data, solve problems and prepare reports/presen-tations for professional communica-tions.
- Apply the scientific and techni-cal 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 recommended 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 Engineering	2
PHYS 121/131 College/University Physics I (GER 2)	3
PHY 125/135 Physics Lab 1 (GER 2)	1
MECH 101 Drawing for Engineers	1
	14

Semester II	
MATH 161 Calculus I	4
ENGL 101 Composition & The Spoken Word	3
PHYS 122/132 College/University Physics II	3
PHYS 126/136 Physics Lab 2	1
MECH 102 Parametric Modeling	2
MECH 122 Introduction to 3D Printing	1
Elective[1]	2
	16

Semester III	
Elective[1]	3
ENGS 201 Statics	3
MECH 261 MET Electricity	4
MECH 241 / ENGS 314 Fluid Mechanics / Fluid Mechanics I	3
MECH 242 Fluid Power Lab	1
GER (6, 7, 8, 9, 10, 11)[3]	3
	17

Semester IV	
ENGS 203 Engineering Strength of Materials	3
ENGS 205 Material Science	3
MECH 221 MET Lab[2]	1
Elective[1]	3
MECH 303 GD&T (Geometric Dimensioning and Tolerancing)	2
Diversity Elective	3
	15

1 *Program electives selected from ACHP, AREA, ENGS, CITA, CONS, ELEC, MATH, MECH, SOET designators and AUTO 104. If going into the 4-yr MET, take MATH 162 (Calculus II) and MECH 301/ENGS 202.*

2 *Writing intensive course.*

3 *GER elective – Must have GER (1/2, 3, 4, 5) and 20 total credits. Select one more from 6-11:*

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

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 decision-making.
- 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.
- Participate in clinical practicums, including clinical assignments locally and at SUNY Upstate Medical

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 103 Pharmacology I	1
NURS 105 Nursing Seminar	1
BIOL 217 Human Anatomy & Physiology I	4
ENGL 101 Composition & the Spoken Word	3
	15

Semester II	
NURS 104 Pharmacology II	1
NURS 106 Maternal/Newborn Nursing	4.5
NURS 107 Mental Health Nursing	4.5
BIOL 218 Human Anatomy & Physiology II	4
PSYC 101 Introduction to Psychology	3
	17

Semester III	
NURS 200 Pharmacology III	1
NURS 201 Med.-Surgical Nursing I	10
BIOL 209 Microbiology	4
SOCI 101 Introduction to Sociology	3
	18

Semester IV	
NURS 202 Med. Surgical Nursing IV	10
NURS 203 Profes. Issues & Trends in Nursing*	1
NURS 204 Pharmacology IV	1
	12

Graduation Requirements: Total Semester Credit Hours – 62

GPA – 2.0 minimum

Writing Intensive

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.

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 2024 Occupational Outlook Handbook, employment for PTA's is projected to grow 19% between 2022-2032.

- PTA ranked in the top 10 of jobs in high demand that don't require a bachelor's degree. (Smith 2021, cnbc.com)

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 health-related 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 & Physiology I	4
ENGL 101 Comp. & the Spoken Word	3
PSYC 101 Introductory Psychology	3
	16

Semester II	
PHTA 102 Clinical Kinesiology	3
PHTA 103 Musculoskeletal Pathologies	4
PHTA 105 Musculoskeletal Assessment Techniques	1
BIOL 218 Human Anatomy & Physiology II	4
PSYC 225 Human Development	3
PHTA 104 **Clinical I (summer)	4
	19

Semester III	
PHTA 203 PTA Seminar I *3	2
PHTA 204 Cardiopulmonary & Integumentary Pathologies	4
PHTA 205 Neuromuscular Pathologies	4
PHTA 206 Advanced PT Modalities	2
MATH Math 111 or higher	3
	15

Semester IV	
PHTA 207 ** Clinical II	6
PHTA 209 ** Clinical III3	6
PHTA 210 PTA Seminar II3	2
	14

* 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.

3 – DEISJ (GER 3) satisfied through completion of these 3 courses, in which DEISJ content is infused

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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

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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 two vaccinations and must be completed during or prior to the semester the student is enrolled in VSCT 101

Program Requirements:

(Curriculum 0521)

Semester I	Credits
VSCT 101 Fundamental Vet. Nursing Skills I	2
VSCT 103 Intro. to Animal Agriculture	2
BIOL 150 College Biology I	4
CHEM 150 College Chemistry I	4
ENGL 101 Expository Writing OR ENGL 101 Comp. & the Spoken Word	3
MATH Mathematics (GER 4)	3
	18

Semester II	
VSCT 104 Veterinary Office Practices	1
VSCT 112 Vet. Clinical Pathology I	3
VSCT 114 Animal Anatomy & Physiology	3
VSCT 115 Fundamental Vet. Nursing Skills II	2
VSCT 212 Research Animal Techniques	1
VSCT 206 Anesthetic Principles	3
DEISJ Elective (GER 3)	3
	16

Semester III	
VSCT 202 Veterinary Clinical Pathology II	3

VSCT 203 Small Animal Medicine & Therapeutic Techniques	3
VSCT 204 Large Animal Medicine & Therapeutic Techniques	3
VSCT 205 Radiographic Techniques	2
VSCT 214 Veterinary Pharmacology	2
VSCT 201 Veterinary Technology Preceptorship I	1
	14

Semester IV	
VSCT 210 Veterinary Microbiology	1
VSCT 211 Animal Hospital Practices and Procedures *	3
VSCT 213 Practical Nutrition	2
VSCT 214 Veterinary Pharmacology	2
PSYC 101 Introductory Psychology	3
VSCT 209 Veterinary Technology Preceptorship II	1
VSCT 207 Health & Disease of Farm Animals	2
BIOL 209 Microbiology	4
	16

* Fulfills writing intensive requirement.

– 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.

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.

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:

- 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:

(Curriculum 0955)

Semester I	Credits
CONS 112 Wood Structures	3
ECMR 101 Electricity for Trades	3
ECMR 103 Electricity for Trades Lab	4
MATH 101 *Applied College Mathematics or higher	4
ECMR 175 Photovoltaic Solar Installers	3
	17

Semester II	
ECMR 102 Electricity for Trades II	3
ECMR 104 Electricity for Trades II Lab	4
ENGL ___ English (Writing)	3
ECMR 173 Intro to National Electrical Code	3
___ ___ Math/Science/Technical Elective**	3
	16

*Mathematics levels depend on previous preparation. (MATH 101) is the minimum requirement, (MATH 106 Intermediate Algebra may be substituted). Those graduates who show sufficient interest and aptitude may qualify for entry into one of the associate degree programs.

**Approved by advisor, prerequisites must be satisfied, selected from any of the following designators: ACHP, AREA, BIOL, CHEM, CITA, CONS, ELEC, ENGS, ESCI, MATH, MECH, MFGT, MINS, PHSC, PHYS, SOET, or TMMA.

Graduation Requirements: Total Semester Credit Hours - 33. Graduates must complete all courses listed above and earn a cumulative index of at least 1.75.

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.

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 multi-disciplinary teams, fostering open communication, mutual respect, and shared decision-making to provide comprehensive client centered care.
- 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

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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 Comp. & Spoken Word	3
	18

Semester II	
LPNC 102 PN Specialty Populations	3
LPNC 103 PN Medical-Surgical	8
BIOL 218 Human Anatomy & Physiology II	4
PSYC 101 Introduction to Psychology	3
	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

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 REQUIREMENTS	Credits
ACCT 300 Intermediate Accounting I..	3
ACCT 302 Intermediate Accounting II.	3
ACCT 306 Cost Accounting...............	3
SELECT THREE COURSES	
ACCT 242 Acct. for Government and Nonprofit Organizations ..	3
ACCT 310 Accounting Information Systems...........................	3
ACCT 335 Individual Taxation..........	3
ACCT 430 Auditing	3
ACCT 440 Advanced Financial Accounting	3
BSAD 305 Public Budgeting and Fiscal Mgmt............................	3
BSAD 365 Financial Statement Analysis..........................	3

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 Gerontology.........	3
SOCI 101 Introduction to Sociology ...	3

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 Death	3
HEFI 202 Health and Wellness Across the Lifespan.....................	3
HLTH 103 Health Current Perspectives and Practical Applications .	3
HLTH 212 Happiness, Health and Wellbeing.......................	3
GRST 201 Introduction to Gender Studies............................	3
HUSV 201 Introduction to Human Services........................	3
PSYC 225 Human Development	3
SOCI 105 American Social Problems .	3
SOCI 210 Sociology of the Family	3
SOCI 313 Women and Ageing	3
SOCI 320 Sociology of Health, Illness and Health Care	3
SOCI 330 Soc. of Gendered Lives	3
SSCI 315 Death, Dying and Bereavement	3

APPLIED PHYSICS

The Applied Physics Minor is an excellent way for students to broaden their knowledge of physics and the world around them. Students build a secondary area of expertise in support of their major discipline. This minor is applicable to all students; it is of particular interest to students majoring in science and engineering technology programs. The minor provides courses that emphasize applications of physics with hand on projects.
* 9 credits of minor coursework must be at the upper-division level

MINOR REQUIREMENTS	Credits
PHYS 121 College Physics I OR	
PHYS 131 University Physics I	4
PHYS 122 College Physics II OR	
PHYS 132 University Physics II............	4
PHYS 202 Modern Physics	3
PHYS 301 Introduction to Photonics ...	3

SELECT TWO COURSES	
PHYS 330 Intro to Classical Mech.	3
PHYS 340 Electromagnetism..............	3
PHYS 410 Solid State Science	3
PHYS 420 Intro to Quantum Mech.	3
AREA 320 Experimentation and Measurement I	3
MECH 342 Thermodynamics	3

APPLIED PSYCHOLOGY

The Minor in Applied Psychology largely focuses on Psychology (PSYC) designated courses as opposed to Human Services (HUSV) or Applied Behavior Analysis (ABAP). As such, a Minor in Applied Psychology is attractive to a wide range of students from various SUNY Canton programs.
*9 credits of minor coursework must be at the upper-division level (300 or 400 level courses).

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

Other courses may be counted with the approval of the Minor Coordinator.

CHEMISTRY

A minor in chemistry offers students a chance to enhance their knowledge of the key principles of chemistry, such as inorganic, organic, and biological chemistry. This minor offers a strong complement to disciplines such as Veterinary Technology BS and Health and Fitness Promotion B.Tech., and is suited to students who are interested in pursuing graduate programs in science, engineering, medicine, or pharmacology.

MINOR REQUIREMENTS	Credits
CHEM 150 College Chemistry I	4
CHEM 155 College Chemistry II	4
CHEM 301 Organic Chemistry I.........	4
CHEM 302 Organic Chemistry II........	4
CHEM 430 Biochemistry....................	3

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 Penology	3
JUST 311 Alt. to Incarceration..........	3
JUST 313 Juvenile Justice	3
JUST 322 Gender and the CJ System	3
JUST 340 Legal Issues of the Penal Syst.................................	3
JUST 341 Corrections Manag & Admin	3
JUST 349 Vulnerable Pop. in CJ	3
JUST 431 Culminating Exp in Corrections	3

CRIMINOLOGY

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 Crime...............	3

SELECT FIVE COURSES	
JUST 202 Intro to Forensic Criminology	3
JUST 307 Penology	3
JUST 316 Sex Offenders	3
JUST 324 Serial Murderers and Their Victims	3
JUST 331 Profiling and Behavioral Criminology	3
JUST 347 Research Methods in Criminology and CJ.........	3
JUST 349 Vulnerable Populations in CJ	3
JUST 350 Victimization	3
ENGL 305 Perpetrators and Their Victims	3
PSYC 275 Abnormal Psychology........	3

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 Training...........................3
JUST 333 Managing Patrol Functions 3
JUST 335 Criminal Justice Agency Mgmt. 3
JUST 344 Civil Liability for the CJ Administrator....................3
JUST 315 Constitutional Law.............3
JUST 341 Corrections Manag & Admin 3
JUST 353 Criminal Justice Technology 3
JUST 449 Current Issues in LE 3

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 Security 3
CYBR/CITA 352 Ethical Hacking and Penetration Testing............3
CYBR 450 Cybersecurity Body of Knowledge 3

SELECT ONE COURSE
Students must choose one for a total of three credit hours.

MATH 351 Discrete Mathematics 3
CYBR 360 Cryptography in Theory and Practice 3
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 Disaster Recovery.............3
CYBR 356 Cryptology in Theory and Practice 3
CITA 440 Network Mgmt. AND.........3
CITA 441 Network Management Lab 1

Data Science

The Data Science minor program will provide foundational and applied knowledge about data science and its uses. First, you'll learn the concept of data mining and the methods of knowing, preprocessing, processing and warehousing data. Then, by examining ethical considerations, you'll assess collection, storage, use and analysis of data. This minor is intended for game design, IT, cybersecurity, healthcare,

CJ, or engineering majors who want to incorporate data science into their college experience.

* 9 credits of minor coursework must be at the upper-division level

MINOR REQUIREMENTS
Course Name   Credits
DATA 155 Survey of Data Science 3
DATA 230 Applied Data Science - R Prog. 3
DATA 315 Data Mining & Machine Learning 3
DATA 321 Big Data Fundamentals 3
DATA 415 Ethics in Data Science........3
SELECT ONE COURSE
Students must choose one for a total of three credit hours.
DATA 320 Data Security and Privacy ..3
DATA 421 Deep Learning 3

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.
Nine credit hours must not be required courses in the student's major program.

REQUIRED COURSES   CREDITS
ECHD 101 Introduction to Early Childhood.......................3
PSYC 101 Introductory Psychology 3
SELECT ONE LOWER-LEVEL COURSE
ECHD 121 Wellness in Young Childre 3
ECHD 131 Infants and Toddlers.........3
ECHD 250 Children with Special Needs.............................3
ECHD 285 Issues and Policies in Early Care and Education.........3
EDUC 210 Principles of Education 3
PSYC 220 Child Development OR
PSYC 225 Human Development 3

SELECT THREE UPPER-LEVEL COURSES
Any ECHD 300-400 Upper-Level Designated Program Course(s)
BSAD 340 Mgmt. Communications 3
HIST 375 History of Childhood and Youth in the United States .3

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 REQUIREMENTS   Credits
ECON 101 Principles of Macroeconomics 3
ECON 103 Principles of Microeconomics 3
ECON 314 Managerial Economics.....3
ECON 315 Global Economy.............3
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 OR 4
GEOL 103* Physical Geology............3
ELECTIVE COURSES
CONS 101 Elementary Surveying.......4
CONS 314 Soil Mechanics.................3
CONS 350 Intro to GIS OR 3
GEOL 340* Geographic Information Systems 4
CONS 385 Hydrology and Hydrogeology..................4
CONS 386 Water Quality 4
CONS 387 Water and Wastewater Treatment........................3
CONS 388 Environmental Law 2
CONS 485 Solid Waste Management. 3
CONS 486 Soil and Groundwater Remediation 3
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 Canton
*Course offered at SUNY Potsdam, through the Department of Geology

Finance

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.

MINOR REQUIREMENTS   Credits
ACCT 101 Foundations of Fin. Acct. ...3
FSMA 210 Introduction to Finance 3
FSMA 312 Financial Management......3
FSMA 315 Global Investment.............3

SELECT TWO ELECTIVES
(one elective must be a 400 upper level course)
BSAD 120 Principles of Banking 3
ECON 314 Managerial Economics.......3
BSAD 315 Fin. Statement Analysis 3
ECON 315 Global Economy.............3
FSMA 325 Financial Compliance and Regulations 3
FSMA 415 Global Finance 3
FSMA 420 Financial Derivatives 3
FSMA 422 Risk Management 3

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 3
CHEM 100/101 Introduction to Chemistry OR
CHEM107/108 Forensic Chemistry....4

SELECT FOUR COURSES
JUST 300 Forensic Photography 3
JUST 301 Latent Prints and Impressions 3
JUST 320 Medicolegal Investigation of Death 3
JUST330 Questioned Documents 3
JUST 353 Criminal Justice Tech. 3
CYBR 365 Digital Forensics................3
JUST370 Forensic Taphonomy 3
JUST410 Clandestine Graves............3
JUST 411 Forensic Drug Analysis & ID...............................3
JUST 412 Firearms & Toolmark ID.....3
JUST 426 Ethics in Forensic Science...3

FORENSIC VICTIMOLOGY

The Forensic Victimology minor provides an opportunity for forensic criminology students to delve further into the field to develop areas of specialization/interest in victimology and victimization. The minor may also appeal to students in Criminal Investigation, Law Enforcement Leadership or Homeland Security.

* 9 credits of minor coursework must be at the upper-division level

MINOR REQUIREMENTS

Course Name	Credits
JUST 202 Intro. to Forensic Crim.	3
JUST 346 Forensic Victimology	3
JUST 350 Victimization	3

SELECT THREE COURSES

Course Name	Credits
JUST 316 Sex Offenders	3
JUST 331 Profiling and Behavioral Criminology	3
JUST 349 Vulnerable Pop. in CJ	3
JUST 422 Violent Crime Analysis	3
ENGL 305 Perpetrators and Their Victims	3
PSYC 275 Abnormal Psychology	3
PSYC 308 Personality and Individual Differences	3

FOUNDATIONS IN MIND-BODY WELLNESS

The Foundations in Mind-Body Wellness minor is dedicated to the integration of theory and practice of mind-body wellness and health. The minor serves to encourage students to think critically about health, wellness, and recreation as a lifelong pursuit, and to develop personal wellness philosophies and habits.

18 credits total, 9 credits must be Upper Level

Requirements: 18 credits minimum, 9 credits must be Upper Level

Additional Requirements: At least one, 1 credit Wellness (WELL) course (up to maximum of 3 credits). Must take WELL 380 Foundations in Mind-Body Health and Wellness) OR WELL 382 The Limitless Mind: Lessons on Dedication, Resilience and Mental Fortitude (3 credits). Students may take both WELL 380 and WELL 382 for academic credit.

MINOR REQUIREMENTS

Select one (up to three courses can be taken for credit)

Courses:	Credits
WELL 101 Yoga	1
WELL 102 Personal Fitness	1
WELL 103 Practicing Mindful Living and Mindfulness	1
WELL 104 Alternative Approaches to Mental and Physical Wellness	1

Select one (both courses can be taken for credit)

WELL 380 Foundations in Mind-Body-Health and Wellness	3
WELL 382 The Limitless Mind	3

Select at least three UL electives

Courses:	Credits
HEFI 375 Fitness and Sports Nutrition	3
HEFI 405 Current Issues in Health and Fitness	3
HEFI 408 Community Wellness	3
HLTH 303 Occupational Health and Safety	3
PSYC 320 Psychology of Health and Fitness	3
SOCI 320 Sociology of Health, Illness, and Health Care	3
SPMT 330 Sport Psychology	3

Other courses

BIOL 117 Human Reproduction	3
HEFI 201 Health and Wellness Promotion	3
HEFI 202 Health and Wellness Across the Lifespan	3
HEFI 203 Motor Development	3
HLTH 103 Health Current Perspectives	3
HLTH 104 Intro to Gerontology	3
HLTH 175 Basic Nutrition	3
HLTH 212 Happiness, Health & Wellbeing	3
HLTH 242 Botanical Medicine	3
PSYC 101 Introduction to Psychology	3
SPMT 202 Sport in Society	3
SSCI 181 Alcohol, Drugs, and Society	3

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 245 Forensic Accounting	3
JUST 110 Criminal Law	3
JUST 485 Fraud Exam. and Investigation	3

SELECT THREE COURSES:

ACCT 430 Auditing	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 Comp. and Reg.	3
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 267 Masculinity Studies in American Literature & Culture	3
ENGL 304 LGBTQ Lives and Literature	3
ENGL 340 American Women Writers	3
HIST 204 U.S. Immigration History: Race, Class and Gender	3
HIST 304 U.S. Women's History	3
SOCI 210 Sociology of the Family	3
SOCI 300 Race and Ethnic Relations	3
SOCI 305 Gender in the Media	3
SOCI 313 Women and Aging	3
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 Photography	3
GMMD 331 Digital Illustration and Typography	3

SELECT ONE ELECTIVE

GMMD 101 Intro to Media Studies	3
GMMD 211 Film Analysis	3
GMMD 330 Web Design and Dev.	3
GMMD 411 Digital Doc. Video	3
ARTS 301 Digital Storyboarding	3

*A given course may be used as either required or elective course, but not both.

HEALTHCARE MANAGEMENT

The Health Care Management minor is available to any SUNY Canton student interested in learning more about managing healthcare organizations. The minor allows students to explore the current financial, legal, and management issues modern healthcare organizations face. students to explore the current financial, legal, and management man-agement issues modern healthcare organizations face. This minor shall consist of 18 credit hours, with a minimum of 12 credit hours of the minor to 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

BSAD 310 Human Resource Mgmt.	3
HSMB 101 Intro to Health Services Mgmt.	3
HSMB 301 Public Health Issues	3
HSMB 307 Health Care Facility Administration	3

SELECT TWO COURSES

HSMB 302 Legal & Ethical Issues in Health Care	3
HSMB 305 Managed Care	3
HSMB 307 Health Care Financing	3

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

Europe

HIST 101 History of Europe to 1815	3
HIST 102 History of Europe since 1815	3
HIST 310 European City in Industrial Age	3
HIST 315 Children, Youth, and Revolution in 20thCentury Europe	3
HIST 320 Twentieth Century Europe	3

United States

HIST 103 US History to 1865	3
HIST 105 US History since 1865	3
HIST 303 Colonial American History	3
HIST 304 US Women's History	3
HIST 305 History of the Vietnam War	3
HIST 306 US Immigration History	3
HIST 307 American Thought since 1865	3
HIST 309 African American History	3
HIST 375 History of Childhood and Youth in the United States	3

World

HIST 106 World History to 1500	3
HIST 107 World History since 1500	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	3
JUST 375 Methods of Terrorism Through the Ages	3
JUST 380 Civil Liberties & Homeland Sec	3

JUST 402 Crime Mapping 3
JUST 415 Emerging Issues in HS 3
JUST 420 Corporate Role in HS 3
JUST 425 LE Intelligence Systems
         in HS 3
LEST 375 Law of Immigration &
         Border Control 3

HOSPITALITY MANAGEMENT

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   **Credits**
(18 credits)
BSAD 201 Business Law I OR
BSAD 202 Business Law II 3
BSAD 206 Introduction to Hospitality
         Management 3
BSAD 302 Customer Service and the
         Guest Exp. in Hospitality...3
BSAD 303 Global Tourism -
         Perspectives and Practices.3
BSAD 306 Food and Beverage Mgmt. 3
BSAD 407 The Meeting, Expositions,
         Events, and Conventions
         Industry 3

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
BSAD 201 Business Law I...................3
LEST 340 Constitutional Law 3

SELECT THREE ELECTIVES
(Two must be Upper Level -300 or higher)
BSAD 202 Business Law II..................3
LEST 221 Criminal Practice...............3
LEST 320 Negligence and Intentional
         Torts................................3
LEST 350 Civil Litigation..................3
LEST 360 Family Law 3
LEST 370 Real Property 3
LEST 375 Immigration Law and Border
         Control 3
LEST 380 Wills, Estates and Trusts 3
LEST 388 Environmental Law 3
LEST 410 American Indian Law and
         Fed. Policy......................3

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 Mgmt. Info. Systems.........3
MINS 305 Customer Relationship
         Management...................3
MINS 315 Decision Support Systems ..3
MINS 425 Enterprise Resource
         Planning 3
MINS 430 Data and Knowledge Mgmt 3
SELECT ONE COURSE
BSAD 345 Technological Innovations
         and Entrepreneurship.......3
BSAD 372 E-Commerce 3
BSAD 373 International Business
         Management...................3
BSAD 375 Leadership and Change ...3
CITA 330 Emerging Information
         Technology Applications...3
CITA 400 Quantitative Approaches to
         Management...................3
CITA 460 Information Technology and
         Networked Economy........3

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. 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   **Credits**
BSAD 203 Marketing.........................3
BSAD 322 Advertising and Promotion.3
BSAD 325 Consumer Behavior 3

ELECTIVE COURSES (select two courses)
*BSAD 220 Principles of Retailing   OR
*BSAD 222 Principles of Selling..........3
BSAD 330 Sales Force Management ..3
BSAD 372 E-Commerce 3
BSAD 411 Marketing Research...........3
BSAD 425 New Product Marketing 3
SPMT 307 Sports Marketing...............3
SPMT 312 Sports Entrepreneurship.....3
SPMT 412 Sports Sales and
         Sponsorships...................3
SPMT 430 Advanced Sports Marketing
         and Sales 3
TCOM 100 Intro. to Tech. Comm. 3
TCOM 310 Identity in the Digital Age .3
TCOM 360 Online Media and Popular
         Culture............................3

* 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 designated)
MATH 263 Calculus III 4
MATH 341 Statistics II 3
MATH 351 Discrete Mathematics.......3
MATH 361 Linear Algebra.................3
MATH 364 Differential Equations.......4
MATH 371 Graph Theory..................3
MATH 461 Advanced Calculus 4

Business, computer, engineering, physics courses in which mathematics plays a significant role may be selected with approval 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.

MINOR REQUIREMENTS   **Credits**
SOCI 101 Introduction to Sociology ...3
SSCI 370: Research Methods in Social
         Sciences 3

Select 1 Lower Level Elective
SOCI 105: American Social Problems 3
SSCI 181: Alcohol, Drugs & Society ...3
SSCI 271: Contemp. Global Issues 3
SPMT 202: Sports in Society...............3

Select 3 Upper Level Electives
PSYC 300: Cultural Psychology..........3
SSCI 315: Death, Dying and
         Bereavement 3
SOCI 300: Race & Ethnic Relations 3
SOCI 305: Gender in the Media........3
SOCI 313: Women & Aging 3
SOCI 320: Sociology of Health, Illness,
         Healthcare 3
SOCI 3/4@ Special Topics Courses:
         391-395; 491-495..........3

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 Environ. Science ...3
ESCI 102 Intro. to Environ.l Sci. Lab ..1
GMMD 421 Sustainability Design 3
SELECT FOUR ELECTIVES
(Two must be Upper Level - 300 or higher)
ANTH 102 Introduction to Cultural
         Anthropology 3
AREA 110 Intro To Alternative Energy .3
EADM 205 Risk & Hazard Impact
         Studies 3
ECON 201 Economics and Social
         Issues.............................3
GMMD 101 Introduction to Media
         Studies 3
HIST 101 History of Western Heritage3
POLS 101 Introduction to Political
         Science 3
SOCI 105 American Social Problems .3
SOCI 250 Sociology of a Mass Media 3
SSCI 271 Contemp. Global Issues 3
BSAD 319 Professional Ethics............3
BSAD 325 Consumer Behavior 3
BSAD 375 Leadership and Change 3
ECON 320 Environmental Economics.3
ESCI 320 Weather, Climate and
         Climate Change..............3
GMMD 302 Digital Photojournalism ..3

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 101 Foundation of Fin. Acct......4
BSAD 201 Business Law I...................3
BSAD 310 Human Resource Mgmt. 3
VSAD301 Veterinary Practice Mgmt. ..3
VSAD 302 Animal Care Institution
         Management...................3
VSAD 402 Veterinary Business &
         Financial Management 3

WRITING AND COMMUNICATION

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**

Humanities
ENGL 202 Creative Non-Fiction 3
ENGL 216 Children's Literature 3
ENGL 221 Creative Writing 3
ENGL 315 Short Fiction: The Art of the
            Tale.................................3
ENGL 350 Flash Fiction 3
ENGL 351 Adv. Fiction Workshop 3
HUMA 189 Acting and Improvisation .3
SPCH 104 Introduction to Speech.......3

Visual Communication/New Media
ENGL 270 Media Writing 3
ENGL 314 Digital Graphic Storytelling 3
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 Lit.: From
            Cybertext to Video Games 3
TCOM 360 Online Media and Popular
            Culture 3

Professional and Intercultural
Communication
AMSL 101 Introduction to American
            Sign Language 3
ENGL 301 Professional Writing and
            Communication...............3
ENGL 302 Global Englishes 3
ENGL 309 Journalism........................3
ENGL 380 Intercultural Comm. 3
FREN 101 Contemporary French I......3
LEST 330 Legal Writing 3
SPAN 101 Contemporary Spanish I....3
SPAN 102 Contemporary Spanish II...3

MICROCREDENTIALS

Stand out in the job market by adding in-demand new skills to your resume. Designed to be completed in months, not years, microcredentials are a great way to show current and future employers that you have mastered a specific subject or gained a valuable skill. They are academic credentials, recorded on official transcripts, that can stand alone or be applied to advanced degrees. Additional information on microcredentials can be found online at www.canton.edu/academics/micro/.

ARTIFICIAL INTELLIGENCE AND COMMUNICATIONS

This course will advance your AI literacy and your understanding of the ethical and legal implications of using AI in the global marketplace and workplace. You will advance your communication skills and delve into issues of bias, data privacy, copyright and more.

Required Courses
ENGL 370: Artificial Intelligence
ENGL 301: Professional Writing

BIG DATA

In this microcredential you will explore the concepts, methods and approaches to big data. First, you'll focus on the feasibility, usefulness, effectiveness, and scalability of techniques associated with large data sets. Then, through a review of big data applications you will focus on different types, challenges and best practices in the field.

Required Courses: **Credits**
DATA 315 Data Mining & Machine
    Learning 3
DATA 321 Big Data Fundamentals 3

CAMPAIGNING AND COMMUNITY ADVOCACY

Campaign for a better future in the Campaigning & Community Advocacy microcredential where you will gain an understanding of working in the non-profit sector, specifically focusing on social justice and advocacy campaigns. First, you'll develop an understanding of both national and international social movements while engaging in advocacy and activism. Then, you will examine key management concepts used to contend with challenges encountered in domestic and/or global environments. Finally, you will study leadership paradigms and contingency leadership models. This microcredential is intended for anyone interested in learning about social justice and advocacy campaigns

Required Courses
BSAD 301 Principles of Management .3
SOCI 312   Advocacy, Activism, and
    Social Change.................3
BSAD 375 Leadership & Change........3

CHILD CARE

Taking your first step is an amazing start in the Child Care microcredential where you will gain knowledge on the development and needs of children ages infancy to five years old. First, you will study the history, theories and philosophies that form the foundation of early childhood care and education. Then, through development of skills ensuring the well-being of a young child, you will focus on health, safety and nutrition to support a healthy lifestyle. Finally, you will explore the core competencies of the infant-toddler caregiver and the caregiver and family relationship. You will also gain an understanding of state policies and regulations as established by the NYS Office for Children and Family Services. This microcredential is intended for anyone interested in working in the early childcare field, including participants in the St. Lawrence County Child Care Training Program. The child care microcredential does not count for CDA credit.

Required Courses: **Credits**
ECHD 101 Introduction to Early
    Childhood.......................3
ECHD 121 Wellness in Young
    Children..........................3
ECHD 131 Infants and Toddlers.........3

CREATIVE WRITING

In the creative writing microcredential you will hone your written communication skills and develop a deeper understanding of the literary arts. First, you will learn to master your craft by writing poems and short stories. Then you will explore the short fiction genre by writing your own short story to gain perspec-tive on the literary form, ideas expressed within that form, and the creative process used to produce that form.

Required Courses
ENGL 221: Creative Writing..............3
ENGL 350: Flash Fiction 3

CYBERSECURITY AND RECOVERY IN HEALTHCARE

Keep your health data safe in cyber-space in the cybersecurity and recovery in healthcare microcredential where you will gain an understanding of the need for data security and protection of patients' records in health care information systems as the industry continu-ally faces cyber threats and emergencies. First, you'll learn about health information systems and technology in healthcare delivery and public health. Then, you will examine current threats and trends, providing insight as to why healthcare is such a target rich environment and discuss ways to mitigate the risk. Finally, you will analyze past incidents and discuss strategies to prepare for, respond to, and recover from health and other emergencies. This microcredential is intended for health care working professionals who want to gain additional skills required for responding to cybersecurity disasters.

Required Courses **Credits**
HSMB 311 Healthcare Information
    Technology......................3
EADM 330 Emergency Mgmt. in Public
    Health and Healthcare.....3
CYBR 416 Cybersecurity in
    Healthcare 3

CYBERSECURITY PRINCIPLES

Secure your future in the cybersecurity principles microcredential where you will gain valuable knowledge in distinct phases of information security and assurance from both technical and business aspects. First, you'll be exposed to a spectrum of information security activities, methodologies and procedures. Then, by examining best practice framework you will better understand how the various functions within cybersecurity can be combined and leveraged to secure an organization. This microcredential is intended for working professionals who want to gain additional skills pertaining to the cybersecurity field.

Required Courses: **Credits**
CYBR 250 Information Security 3
CYBR 450 Cybersecurity Body of
    Knowledge.....................3

DATA MINING AND MACHINE LEARNING

In this microcredential you will explore the concepts and techniques in Data Mining and Machine Learning. First, you'll focus on the feasibility, usefulness, effectiveness, and scalability of techniques associated with data analysis in general. Then, through a review of advanced data mining and machine learning concepts, methods, and approaches you will comprehend applying new methods where the common methods are not sufficient in prediction and classification.

Required Courses **Credits**
DATA 315 Data Mining & Machine
    Learning 3
DATA 420 Advanced Data Mining &
    Machine Learning...........3

DATA SCIENCE

Collect the data to improve your credentials in the Data Science microcredential where you will learn the distinct phases of data science from both technical and business aspects. First, you'll learn the concept of data mining and the methods of knowing, preprocessing, processing and warehousing data. Then, by examining ethical considerations, you'll assess collection, storage, use and analysis of data. This microcredential is intended for working professionals who want to incorporate data science into their employment field.

Required Courses **Credits**
DATA 315 Data Mining and Machine
    Learning 3
DATA 415 Ethics for Data Science 3

DATA SCIENCE FOR BEGINNERS

Rationale: In the data science for beginners microcredential you will explore the fundamentals of data science. First, you'll focus on the definition and main concepts associated with data science. Then, through R programming you will practice statistical modeling concepts relevant to data science analysis.

Required Courses: **Credits**
DATA 155 Survey of Data Science 3
DATA 230 Applied Data Science -
    R Programming 3

DEATH INVESTIGATION

Investigate your potential in the Death Investigation microcredential where you will look into the medico-legal aspects of death investigations. First, you'll analyze the manners, mechanisms and causes of death associated with postmortem changes. Then, based on your career desires and interests, you'll tailor the second portion of the microcredential by selecting either violent crime analysis or cold case investigation. In violent crime analysis you will analyze criminal justice data to understand criminal classifications and how research can assist in an investigation. In cold case investigation you will evaluate cold case files while incorporating advancements in forensic science and criminal investigation techniques. This microcredential is intended for working professionals who want to gain additional skills pertaining to death investigation scenes.

CORE REQUIREMENTS

Required Courses **Credits**
JUST 320 Medico-Legal Investigation
    of Death..........................3
Select One
JUST 422 Violent Crime Analysis.......3

JUST 424 Cold Case Investigation.....3

DEEP LEARNING

In this microcredential you will explore the concepts and techniques in processing gathered data or information. First, you'll focus on the feasibility, usefulness, effectiveness, and scalability of techniques associated with large data sets. Then, through a review of deep learning concepts, methods, and approaches you will comprehend deep learning applications in prediction and classification.

Required Courses:	Credits
DATA 315 Data Mining & Machine Learning	3
DATA 421 Deep Learning Fundamentals	3

DIRECT SUPPORT PROFESSIONAL I

The Direct Support Professional 1 (DSP1) microcredential will enable students to demonstrate competency in several key areas including understanding human services organization structures and functions, ethical behavior in the workplace, and the importance of interpersonal communication skills. In addition to working with individuals with developmental disabilities, direct support professionals may work in childcare centers, day treatment programs for persons with mental illness, residential treatment facilities, eldercare and respite pro-grams, jails and alternative correction programs, short- and long-term rehabilitation centers, crisis centers, day habilitation programs, assisted living/skilled nursing facilities and other human service settings. The DSP 1 microcredential provides training to increase the potential for advancement within these organizations.

Required Courses	
HUSV 201 Introduction to Human Services	3
HSMB 200 Medical Terminology	3

DRONE SURVEILLANCE

Fly to new heights in the Drone Surveillance microcredential where you will gain knowledge required for positions where drones are used. The drone surveillance microcredential combines a credit bearing course and a non-credit drone and forensic mapping training. First, you will study geographic information systems and their use in public safety and crime mapping. Then, through the non-credit training, you will learn specific skills associated with drone operation and 2D/3D crime mapping, including tactical surveillance, orthomosaic mapping, and various software systems. The non-credit training includes 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. This training does not culminate with an FAA license. This microcredential is intended for anyone interested in beginning the process of flying drones.

Required Courses	Credits
JUST 402 GIS: Crime Mapping	3

EMERGENCY MANAGEMENT

Lead disaster preparedness, response, & recovery in the Emergency Management microcredential where you will gain valuable knowledge in the distinct phases within emergency management science. First, you'll learn about the theory and practice of coordination of activities such as hazard and vulnerability assessments, emergency operations planning, strategic mitigation strategies and resource management. Then, you will focus on proactive measures to safeguard lives and assets from natural or man-made disasters and develop a comprehensive emergency management plan. Finally, through case study analysis, you will assess short and long-term recovery strategies and community and organizational resilience for future disasters. The microcredential is intended for working professionals who want to gain additional skills pertaining to the emergency management field.

Required Courses	Credits
EADM 205 Hazard Assessment and Mitigation	3
EADM 220 Emergency Planning	3
EADM 222 Emergency Management and Response	3
EADM 320 Recovery and Resilience	3

ETHICS AND PRIVACY IN DATA SCIENCE

In this microcredential you will explore the complex environment of legal and ethical data choices. First, you'll describe security and privacy as it relates to data collection to better understand legal requirements and ethical codes. Then, through case studies and discussions you will learn the complications of data collection in modern society and build a set of ethical values that can be applied to prevent data discrimination and biased-judgement.

Required Courses:	Credits
DATA 320 Data Security & Privacy	3
DATA 415 Ethics in Data Science	3

FICTION WRITING

In the fiction writing microcredential you will hone the knowledge and skills developed in previous creativewriting and literature courses. First, you will explore the short fiction genre and write your own short stories. Then you will have a disciplined, creative environ-

ment focusing on the craft of writing fiction where you will read published stories and provide constructive feedback on peer writings in a workshop setting.

Required Courses	Credits
ENGL 315 Short Fiction: Art of the Tale	3
ENGL 351 Advanced Fiction Workshop	3

FORENSIC ACCOUNTING

Rule out risky business in the Forensic Accounting microcredential where you will gain knowledge of fraud prevention, detection and correction of financial fraud and white-collar crime activities. First, you'll identify areas of financial risk, develop internal control policies and procedures, and define the role of the forensic accountant in the courtroom. Then, by utilizing an accounting software system, you'll prepare the necessary source documents, journal entries, special journals, reconcile accounts, generate financial statements and close an entire accounting cycle. This microcredential is intended for working professionals who want to expand their expertise in forensic accounting.

Required Courses	CREDITS
ACCT 245 Forensic Accounting	3
ACCT 310 Accounting Information Systems	3

FORENSIC ANTHROPOLOGY

No bones about it: dig a new training in the Forensic Anthropology microcredential where you will gain knowledge in the area of locating, excavating, collecting and analyzing human remains. First, you will analyze forensic taphonomy, including an overview of forensic anthropology and archaeology. Then, you will learn the theories and practices of locating clandestine graves. Finally, you will study human skeletal identification methods, such as biological profile, radiographic comparison, craniofacial superimposition, stable isotopes and DNA. This microcredential is intended for anyone who wants to gain additional skills pertaining to forensic anthropology techniques.

Required Courses	CREDITS
JUST 370 Forensic Taphonomy	3
JUST 410 Clandestine Graves	3
JUST 413 Human Identification Methods	3

FORENSIC DRUG TESTING

Test your way to a new certification in the forensic drug testing microcredential where you will gain hands-on skills at the field-testing level and knowledge of testing in the forensic laboratory. First, you will learn forensic drug testing techniques and complete training that results in NIK Polytesting System of presumptive drug identification

certification. Then, you will explore the tools and methods involved with drug investigations and forensic analysis. This microcredential is intended for anyone interested in obtaining NIK presumptive drug identification certification.

Required	Credits
JUST 210 Intro. to Forensic Investigation	3
JUST 411 Forensic Drug Analysis and Investigation	3

GRANT WRITING

Show Me the Money! The Grant Writing Microcredential provides participants with knowledge of the process and procedures for seeking grants including types of projects that generally are funded and sources utilized to identify prospective funders. Participants gain an understanding of the essential components of a well written grant including a needs statement, clear goal and objectives related to a project, budget devel-opment, and an evaluation tool for measuring outcomes.

Required	Credits
SSCI 320 Grant Development Strategies	3
Pre-Requisite: ENGL 101: Composition and the Spoken Word [or Permission of Instructor]	

HEALTHCARE LEADERSHIP

Learn to lead in the Healthcare Leadership microcredential where you will examine current challenges in health care that impact health care access, cost, quality and patient experiences. First, you will learn the fundamentals of the financial management of health care organizations. Then, you will examine socioeconomic factors, which contribute to health disparities, healthcare access, and lack of sufficient diversity in health care while evaluating the current challenges in health care that impact access, cost, quality and patient experience. Finally, you will focus on communicating strategically and persuasively in a professional environment. This microcredential is intended for health care working professionals who want to gain additional skills required for leadership positions.

Required	Credits
BSAD 340 Management Communications	3
HSMB 306 Healthcare Financing	3
HSMB 316 Equity, Diversity and Cultural Competence in Healthcare	3
HSMB 317 Current Challenges in Health Care	3

INVESTIGATIVE ANALYSIS

Analyze your potential in the investigative analysis microcredential where

you will gain hands-on skills associated with forensic investigations. First, you will learn digital camera techniques for taking proper forensic photographs and explore latent print processing, including rolling fingerprints, processing evidence and classification. Then, you will study investigative interviews used in forensic science and law enforcement settings. Finally, to build teamwork you will learn protocols for crime scene processing and investigation of death scenes. This microcredential is intended for students enrolled in the Bachelor of Technology in Criminal Investigation degree program.

Required Courses
JUST 300 Forensic Photography........3
JUST 301 Latent Prints and
              Impressions.....................3
JUST 303 Investigative Interviews 3
JUST 406 Crime Scene Investigations 3
JUST 408 Investigation of Death 3

Medical Coding

Answer the code and enroll in the Medical Coding microcredential where you will gain the necessary skills to obtain employment in various healthcare settings and be prepared to take the American Health Information Management Association (AHIMA) and the American Academy of Professional Coders (AAPC) certification exam. First, you'll learn the language of medical terminology and the tools a coder uses to report impatient and outpatient diagnoses and procedure services to health plans. Then, you will examine technology for planning, selecting, building and implementing the health information systems' platforms for direct patient care and management of hospital and public health sectors. Finally, you study the human body with an emphasis on structure and general function. This microcredential is intended for anyone interested in gaining the necessary education and skills to enroll in the American Health Information Management Association (AHIMA) and the American Academy of Professional Coders (AAPC) certification exam.

Required Courses   Credits
BIOL 207 Human Anatomy...............3
HSMB 200 Medical Terminology &
              Coding 3
HSMB 305 Managed Care................3
HSMB 311 Healthcare Information
              Technology.....................3
HSMB 315 Medical Coding 3

Network Security

Secure your network of credentials in the Network Security microcredential where you will learn the distinct phases of network intrusion, detection, prevention, control and countermeasures. First, you'll identify vulnerabilities within computer networks and the countermeasures that mitigate risks and damage. Then, by examining the latest

technology, trends, and techniques you'll develop a plan to stay one step ahead of potential security threats. This microcredential is intended for working professionals who want to gain additional skills pertaining to the network security field.

Required   Credits
CYBR 354 Cyber Incident Response
              and Disaster Recovery......3
CYBR 356 Cybersecurity Defense and
              Countermeasures 3

Nursing Home Administration

Lead the future of elder care in the Nursing Home Administration microcredential where you will gain the necessary skills for the educational portion of the Department of Health's (DoH) requirement to complete the Nursing Home Administrator Licensure Program in New York State. First, you'll examine legal and ethical issues in healthcare and the fundamentals of financial management of health care organizations. Then, you will analyze nursing home administration with a specific focus on operational management, finance, residential care and environmental management. Finally, you will study human capital management, including job analysis, recruiting, training, motivating employees, performance appraisals and compensation issues. This microcredential is intended for health care working professionals who want to gain the necessary educational requirements for the Nursing Home Administrator Licensure Program in New York State.

Required Courses   Credits
HLTH 104 Intro. to Gerontology........3
HSMB 302 Legal & Ethical Issues in
              Healthcare 3
HSMB 306 Healthcare Finance.........3
HSMB 309 Nursing Home
              Administration.................3
BSAD 310 Human Resource
              Management..................3

NY State Coaching Certification

SUNY Canton's Sports Management program offers an Interscholastic Coaching microcredential bundled into three courses for a total of 9 credits. With successful completion of the three courses students can earn their NYSED Coaching Certification once they also become Red Cross certified in First Aid and CPR and complete a sport specific course through the National Federation of State High School Associations. Students will be directed how to complete the certification process as part of the micro credential courses.

Required   Credits
SPMT 244 Philosophy, Principles, and
              Organization of Athletics in
              Education.......................3
SPMT 245 Theories & Techniques of
              Coaching.......................3

SPMT 246 Health Sciences for
              Coaching 3

True Crime

It'd be a crime not to enroll in the true crime investigation microcredential where you will expand your knowledge of criminal investigations situated within a contemporary, real-world context, with a focus on homicide and serial crime. First, you will examine real-world crime and its treatment throughout the stages of the justice process. Then, based on your career desires and interests, you'll tailor the second portion of the microcredential by selecting either serial murderers & their victims or profiling & behavioral criminology. In serial murderers & their victims you will analyze categories of crime, including male vs female, team, healthcare and international killers. In profiling & behavioral criminology you will explore the nature, history and methods of criminal profiling. This microcredential is intended for anyone interested in true crime or for working professionals who want to gain skills associated with investigations.

Required Courses   Credits
JUST 339 True Crime Investigation 3

Select One
Course Name   Credits
JUST 324 Serial Murderers and their
              Victims 3
JUST 331 Profiling and Behavioral
              Criminology 3

ENVIRONMENTAL SCIENCE AND FORESTRY—2+2 COOPERATIVE PROGRAM WITH SUNY-ESF, SYRACUSE

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 ≥ 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)

Semester I	Credits
BIOL 150 College Biology I	4
ECON 101 Principles of Macroeconomics*	3
ENGL 101 Expository Writing	3
MATH 106 Intermediate Algebra OR MATH 121 College Algebra OR MATH 123 Pre-Calculus Algebra**	.3-4
	13-14

Semester II	
BIOL 155 College Biology II OR CHEM 155 College Chemistry II OR PHYS 121/125 College Physics I***	4
ENGL 202 Creative Non-Fiction OR Writing Intensive English	3
MATH 121 College Algebra OR MATH 123 Pre-Calculus Algebra OR General Elective	3-4
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 full-time 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. Pre-employment 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 t-shirts 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 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.
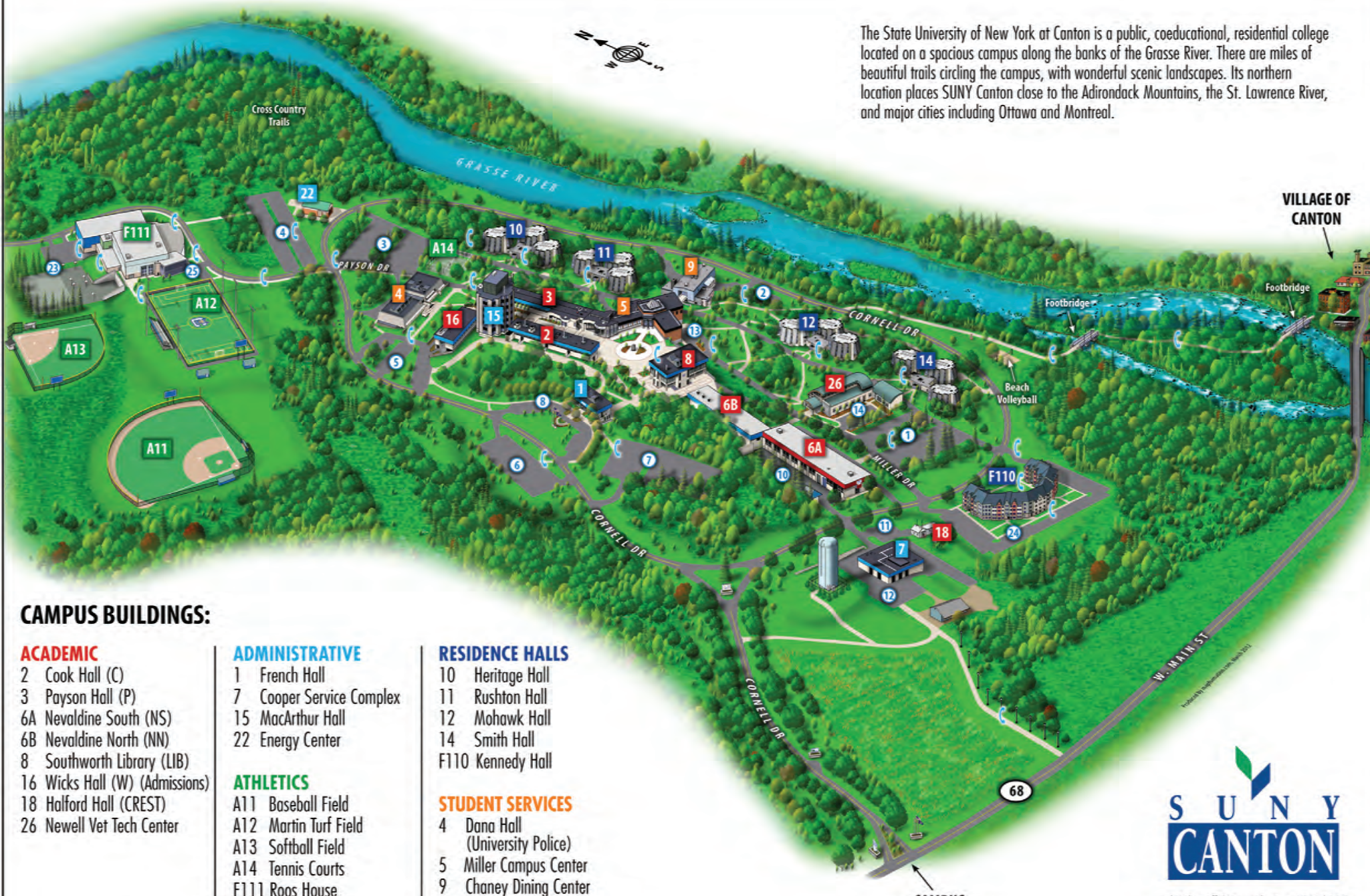
NOTES:

—*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.*

The State University of New York at Canton is a public, coeducational, residential college located on a spacious campus along the banks of the Grasse River. There are miles of beautiful trails circling the campus, with wonderful scenic landscapes. Its northern location places SUNY Canton close to the Adirondack Mountains, the St. Lawrence River, and major cities including Ottawa and Montreal.

VILLAGE OF CANTON

Footbridge

Cross Country Trails

GRASSE RIVER

PAYSON DR

CORNELL DR

MILLER DR

Beach Volleyball

CAMPUS ENTRANCE

W. MAIN ST

68

CAMPUS BUILDINGS:

ACADEMIC
2 Cook Hall (C)
3 Payson Hall (P)
6A Nevaldine South (NS)
6B Nevaldine North (NN)
8 Southworth Library (LIB)
16 Wicks Hall (W) (Admissions)
18 Halford Hall (CREST)
26 Newell Vet Tech Center

ADMINISTRATIVE
1 French Hall
7 Cooper Service Complex
15 MacArthur Hall
22 Energy Center

ATHLETICS
A11 Baseball Field
A12 Martin Turf Field
A13 Softball Field
A14 Tennis Courts
F111 Roos House

RESIDENCE HALLS
10 Heritage Hall
11 Rushton Hall
12 Mohawk Hall
14 Smith Hall
F110 Kennedy Hall

STUDENT SERVICES
4 Dana Hall (University Police)
5 Miller Campus Center
9 Chaney Dining Center

① Parking Lots 1-25   Emergency Blue Light Phones

SUNY CANTON

34 Cornell Drive · Canton, NY 13617
(315) 386.7011 · 1.800.388.7123
www.canton.edu