

START DATE

-  Fall
-  Spring
-  Winter
-  Summer

CREDENTIAL

-  Applied Degree
-  Certificate
-  Degree
-  Diploma






PROGRAM LENGTH

-  < 1 year
-  2 years
-  4 years
-  1 year
-  3 years













OTHER

-  Other Requirements
-  Other Entrance Pathways Available

ENTRY ROUTE (FROM DIPLOMA)

-  Bachelor of Applied Business Administration - Finance
-  Bachelor of Applied Information Systems Technology
-  Bachelor of Business Administration
-  Bachelor of Technology
-  Bachelor of Technology in Construction Management

School of Applied Sciences and Technology Entrance Requirements

PROGRAM	MINIMUM ACADEMIC REQUIREMENTS						COMPETITIVE REQUIREMENT
	ENGLISH	MATH	COURSES MARKED WITH A • ARE REQUIRED; OTHERWISE, CHOOSE ONE OF:				
			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
ANALYTICAL SCIENCES							
<p>BIOLOGICAL SCIENCES TECHNOLOGY: LABORATORY RESEARCH AND BIOTECHNOLOGY</p> <p>The Biological Sciences Technology program focuses on laboratory technologies and research methods in biochemistry, microbiology, molecular biology, immunology and animal physiology.</p> <p>Graduates typically work as laboratory technologists in biotechnology, medical research, pharmaceutical companies and forensics.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or 30-2 or Physics 30 or Applied Math 30	/	/	Chemistry 30 •	Biology 30 •	/
BIOMEDICAL ENGINEERING TECHNOLOGY							
<p>The Biomedical Engineering Technology program provides students with the skills to design, install, inspect, repair, maintain and troubleshoot medical equipment and devices in clinical healthcare settings.</p> <p>Graduates typically work as equipment service personnel and supervisors in hospitals and medical equipment companies.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30	Chemistry 30	/	84% overall average

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			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>CHEMICAL TECHNOLOGY</p> <p>The Chemical Technology program focuses on laboratory techniques using a variety of modern laboratory instruments and computer applications.</p> <p>Graduates typically work as laboratory technologists in chemical labs, energy sector labs, environmental labs, pharmaceutical labs and research labs.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	/	/	Chemistry 30	/	/
<p>NANOTECHNOLOGY SYSTEMS</p> <p>The Nanotechnology Systems program provides students with the skills to engineer materials at sizes in the nanometre range to create materials and devices used in healthcare, energy production and storage.</p> <p>Graduates typically work in research and development in technology companies, chemical or electronics labs and post-secondary institutions.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	Science 30	Physics 30	Chemistry 30	Biology 30	/

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CONSTRUCTION MANAGEMENT AND DESIGN								
ARCHITECTURAL TECHNOLOGY								
<p>The Architectural Technology program provides students with the skills to translate design concepts into graphic images and convert those images into technical drawings and specifications for the construction of buildings.</p> <p>Graduates typically work as assistants to architects and engineers or in technical positions with architectural and drafting firms, building contractors and construction companies.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	/	/	/	/	70% overall average	
BACHELOR OF TECHNOLOGY IN CONSTRUCTION MANAGEMENT								
<p>The BTech-CM program provides students with the skills, technical training and theoretical knowledge needed to manage the safe, timely and cost-effective delivery of projects in construction industries.</p> <p>Graduates typically work as construction managers, estimators and coordinators in industries like construction, oil and gas and engineering.</p> <p>   </p>	<p>Successful completion of NAIT Construction Engineering Technology diploma with a minimum GPA of 2.3</p> <p>OR</p> <p>Successful completion of a two-year related diploma with a minimum GPA of 2.3 AND completion of the required prerequisite courses (see website for details)</p>						/	
CIVIL ENGINEERING TECHNOLOGY								
<p>The Civil Engineering Technology program provides students with the skills to apply computer-aided design and drafting systems to civil engineering problems.</p> <p>Graduates typically work as lab technologists testing construction materials or as project specialists in areas such as planning, design, surveying, construction and inspection.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	Science 30	Physics 30	/	/	65% overall average	

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<p>CONSTRUCTION ENGINEERING TECHNOLOGY</p> <p>The Construction Engineering Technology program focuses on the management, estimation and technical aspects of commercial and residential construction.</p> <p>Graduates typically work as project managers, coordinators and planners in construction firms, government agencies and suppliers of construction materials.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 (80%) or Applied Math 30 (80%)	Science 20	Physics 20	/	/	/
<p>ENGINEERING DESIGN TECHNOLOGY</p> <p>The Engineering Design Technology program provides students with skills in engineering designing, 3D modelling and computer-aided drafting used across multiple engineering disciplines.</p> <p>Graduates typically work in engineering consulting, design and construction, technical sales and services, and in fabrication and manufacturing facilities.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	Science 30	Physics 20	/	/	/
<p>GEOMATICS ENGINEERING TECHNOLOGY</p> <p>The Geomatics Engineering Technology (Surveying) program provides students with the skills to collect, analyze and utilize spatial and three-dimensional data used in land development.</p> <p>Graduates typically work in both urban and rural environments for legal survey firms, engineering consulting firms, utility companies and government departments.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 (75%) or Applied Math 30 (75%)	Science 30	Physics 20	Chemistry 30	/	/

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<p>INTERIOR DESIGN TECHNOLOGY</p> <p>The Interior Design Technology program focuses on space planning, construction drawings and project management to develop interior environments for commercial spaces.</p> <p>Graduates typically work as assistants to interior designers, architects and engineers in interior design and architecture firms, construction companies and product and material suppliers.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	/	/	/	/	68% overall average
<p>LANDSCAPE ARCHITECTURAL TECHNOLOGY</p> <p>The Landscape Architectural Technology program provides students with the skills to produce designs and construction drawings for outdoor environments such as streetscapes, parks and plazas.</p> <p>Graduates typically work for landscape architectural firms, planning and engineering firms, municipal government and landscape contractors and designers.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	/	/	/	/	/
ENERGY							
<p>CHEMICAL ENGINEERING TECHNOLOGY</p> <p>The Chemical Engineering Technology program provides students with the skills to become experts in process engineering, or taking a raw material and turning it into a product.</p> <p>Graduates typically work as engineering and laboratory technologists in oil and gas production and refining, pipeline operations and chemical and equipment sales.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2	Science 30	Physics 20	Chemistry 20	/	/

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<p>ELECTRICAL ENGINEERING TECHNOLOGY</p> <p>The Electrical Engineering Technology program provides students with the skills to troubleshoot, test and produce designs in field services, PLC programming and power system analysis.</p> <p>Graduates typically work as electrical designers and engineering technologists in engineering firms, utility companies, industrial plants and equipment manufacturers.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30	/	/	/
<p>GEOLOGICAL TECHNOLOGY EXPLORATION</p> <p>The Geological Technology Exploration program focuses on geochemistry, geophysics, surveying and field analysis for resource exploration and development.</p> <p>Graduates typically work as exploration technologists in mining, oil and gas, geological consulting and government regulatory agencies.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2	Science 30	Physics 20	Chemistry 20	Biology 20	/
<p>GEOLOGICAL TECHNOLOGY GEOENVIRONMENTAL</p> <p>The Geological Technology GeoEnvironmental program provides students with the skills to assess groundwater quality and determine what is required to safely remediate contaminated sites.</p> <p>Graduates typically work as geo-environmental technologists in environmental consulting, spill response, mining and agricultural water supply and irrigation.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2	Science 30	Physics 20	Chemistry 20	Biology 20	/

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			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>MATERIALS ENGINEERING TECHNOLOGY</p> <p>The Materials Engineering Technology program provides students with a working knowledge of the properties and behaviors of engineering materials such as metals, polymers, ceramics and composites.</p> <p>Graduates typically work in industries such as petrochemical, mining, power generation, manufacturing, inspection, quality assurance, construction, corrosion maintenance and sales.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30	Chemistry 30	/	/
<p>OCCUPATIONAL HEALTH AND SAFETY</p> <p>The Occupational Health and Safety program provides students with the knowledge and technical skills required to develop, implement and evaluate Occupational Health and Safety programs.</p> <p>Graduates typically work as safety advisors, consultants and industrial hygiene technicians in all industries.</p> <p>   </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2 or Applied Math 30	Science 20	Physics 20	Chemistry 20	Biology 20	68% overall average
<p>PETROLEUM ENGINEERING TECHNOLOGY</p> <p>The Petroleum Engineering Technology program focuses on the discovery and extraction of energy deposits.</p> <p>Graduates typically work as technologists in the exploration, production and pipeline sectors for oil and gas companies, oilfield service companies and regulatory agencies worldwide.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2	Science 30	Physics 20	Chemistry 20	/	/

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			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>POWER ENGINEERING - 4TH CLASS</p> <p>The Power Engineering - 4th Class program provides students with the skills needed to operate and maintain industrial equipment such as boilers, pumps and turbines.</p> <p>Graduates typically work in electrical generating plants, pulp mills, oil and gas plants, food processing plants, hospitals, breweries, office buildings, heating plants and chemical plants.</p> <p>   </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30 ●	Chemistry 30 ●	/	/
<p>POWER ENGINEERING TECHNOLOGY</p> <p>The Power Engineering Technology program focuses on thermodynamics, electricity, electronics, refrigeration and air conditioning while providing students with the skills to draft and read blueprints.</p> <p>Graduates typically work as power engineers in power generation facilities and industries that produce high pressure steam such as oil and gas and pulp and paper production.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30 ●	Chemistry 30 ●	/	60% average overall

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			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
INFORMATION AND COMMUNICATIONS TECHNOLOGY							
<p>BACHELOR OF APPLIED INFORMATION SYSTEMS TECHNOLOGY</p> <p>The Bachelor of Applied Information Systems Technology program has two major options: Information Systems, which focuses on advanced analysis and design of scalable systems; and Network Management, which involves managing computer networks in large enterprises.</p> <p>Graduates of the Information Systems major typically work as senior systems analysts, designers or project leaders. Network Management graduates typically work as network managers, network engineers or network administrators.</p> <p>   </p>	A two-year diploma in an IT program related to the selected major sector with an overall minimum GPA of 2.3.						/
<p>COMPUTER ENGINEERING TECHNOLOGY</p> <p>The Computer Engineering Technology program focuses on computer hardware and software principles such as industrial electronics and programming for micro-controllers.</p> <p>Graduates typically work in software development, instrumentation data acquisition, process control hardware and software, technical management, programmable logic design and quality assurance.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30	Chemistry 30	/	70% overall average

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			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>COMPUTER NETWORK ADMINISTRATOR</p> <p>The Computer Network Administrator Program provides students with training in current applied technology, client operations, cloud computing and network security.</p> <p>Graduates typically work as client services, network services and information services administrators, desktop and technical support technicians and systems analysts.</p> <p>     </p>	English 30-1 or English 30-2	Math 20-1 or Math 30-2 or Applied Math 30	Science 30	Physics 20	/	/	/
<p>CYBERSECURITY</p> <p>The Cybersecurity post-diploma certificate program provides students with the operational skills and security strategies to defend against attacks and manage risk. The program also focuses on the technical, legal and political issues regarding cybersecurity.</p> <p>Graduates typically work as IT security analysts, architects, advisors and managers, cybersecurity team leads and cybersecurity consultants in a variety of different industries.</p> <p>   </p>	An accredited or recognized IT or Computer Science related diploma or degree with a minimum GPA of 2.0						/
<p>DIGITAL MEDIA AND IT</p> <p>The DMIT program prepares students for work in digital media and information technology with nine areas of emphasis including Animation, Computer Software Development, Digital Cinema, Game Design, Game Programming, IT Business Analysis, IT System Administration, Visual Communications, and Web Design and Development.</p> <p>       </p>	English 20-1 or 20-2	Math 20-1 or 20-2 or Applied Math 20	/	/	/	/	70% overall average

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<p>NETWORK ENGINEERING TECHNOLOGY</p> <p>The Network Engineering Technology program provides students with the skills to analyze, design, implement and maintain complex local and wide area networks.</p> <p>Graduates typically work as data systems specialists, network analysts, network support specialists, LAN/WAN administrators and systems analysts.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	Science 30	Physics 30	Chemistry 30	/	75% overall average
<p>WIRELESS SYSTEMS ENGINEERING TECHNOLOGY</p> <p>The Wireless Systems Engineering Technology program provides students with the skills to design and build communications infrastructure and adapt wireless technologies for communications.</p> <p>Graduates typically work as technologists and test engineers in wireless, WiFi, IoT, satellite, cellular, telecommunications, radio companies, utility companies, oil and gas industries, health care and government agencies.</p> <p>   </p>	English 30-1 or English 30-2	Math 30-1	Science 30	Physics 30	Chemistry 30	/	/
MANUFACTURING AND AUTOMATION							
<p>ELECTRONICS ENGINEERING TECHNOLOGY</p> <p>The Electronics Engineering Technology program provides students with the skills to solve technical and scientific problems while learning principles of electricity, embedded systems, communications and industrial electronics.</p> <p>Graduates typically work across a wide range of industries performing functions associated with the installation, testing and maintenance of electronic systems, technical sales, engineering support, quality control and design.</p> <p>    </p>	English 30-1 or English 30-2	Math 30-1	Science 30	Physics 30	Chemistry 30	/	/

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<p>INSTRUMENTATION ENGINEERING TECHNOLOGY</p> <p>The Instrumentation Engineering Technology program provides students with the skills to measure and control industrial processes safely.</p> <p>Graduates typically work in industries ranging from industrial automation to oil and gas and work on a wide variety of projects such as developing controls for smart buildings and emissions monitoring systems.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 20 ●	Chemistry 20 ●	/	/
<p>MECHANICAL ENGINEERING TECHNOLOGY</p> <p>The Mechanical Engineering Technology program provides students with the skills to design mechanical components, assemblies and systems.</p> <p>Graduates typically work in mechanical equipment manufacturing and supply firms, research and development laboratories, consulting engineering firms and government agencies.</p> <p>      </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 30	/	/	/
MEDIA, CREATIVE AND COMMUNICATIONS							
<p>CAPTIONING AND COURT REPORTING</p> <p>The Captioning and Court Reporting program provides students with skills to capture speech using an electronic shorthand machine and computer technology.</p> <p>Graduates typically work as independent contractors in court reporting, captioning and broadcast captioning roles.</p> <p>   </p>	English 30-1 or English 30-2 (65%). One of: Grade 12 Social Studies or Legal Studies or Post-Secondary Sociology or Post-Secondary Psychology or work experience that demonstrates an understanding of social systems.						70% in English 30-1

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<p>GRAPHIC COMMUNICATIONS</p> <p>The Graphic Communications program provides students with the skills to design and produce various print, promotional and electronic media from concept through to final production.</p> <p>Graduates typically work as prepress technicians, digital press operators, production artists/layout artists, wide-format finishing technicians and bindery operators.</p> <p>   </p>	English 30-1 or English 30-2	Math 20-1 or Math 20-2	/	/	/	/	/
<p>PHOTOGRAPHIC TECHNOLOGY</p> <p>The Photographic Technology program provides students with skills to handle the technical and aesthetic requirements of quality photographic image production.</p> <p>Graduates typically work as assistants, photographers for organizations or start their own photography business.</p> <p>    </p>	English 30-1 or English 30-2	Math 20-1 or Math 20-2	/	/	/	/	60% overall average
<p>RADIO AND TELEVISION - RADIO</p> <p>The Radio program focuses on all operational aspects of broadcast media from announcing to online content creation.</p> <p>Graduates typically work at commercial radio stations as announcers, copywriters, audio producers, reporters, promotions coordinators, sales representatives and social media content creators.</p> <p>    </p>	60% in English 30-1 or English 30-2	Math 20-1 or Math 20-2 or Applied Math 20	Biology 20, or Chemistry 20, or Physics 20, or Science 20. Social Studies 20-1 or Social Studies 20-2				65% overall average

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-  Bachelor of Technology
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PROGRAM	MINIMUM ACADEMIC REQUIREMENTS						COMPETITIVE REQUIREMENT
	ENGLISH	MATH	COURSES MARKED WITH A ● ARE REQUIRED; OTHERWISE, CHOOSE ONE OF:				
			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>RADIO AND TELEVISION - TELEVISION</p> <p>The Television program provides students with the skills to produce and star in a television program.</p> <p>Graduates typically work at television stations as anchors/reporters, producers, videographers, directors, writers, web journalists, editors, camera operators and production assistants.</p> <p>    </p>	60% in English 30-1 or English 30-2	Math 20-1 or Math 20-2 or Applied Math 20	Biology 20, or Chemistry 20, or Physics 20, or Science 20. Social Studies 20-1 or Social Studies 20-2.				65% overall average
<p>RENEWABLE RESOURCES AND ENVIRONMENTAL SERVICES</p> <p>ALTERNATIVE ENERGY TECHNOLOGY</p> <p>The Alternative Energy Technology provides students with the skills to determine energy consumption and produce highly-detailed design plans for energy generating systems.</p> <p>Graduates typically work as site assessors, energy auditors, solar designers and installers, energy advisors, technical product salespeople and operations managers.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1	/	Physics 20 ●	Chemistry 20 ●	/	/
<p>BIOLOGICAL SCIENCES TECHNOLOGY: CONSERVATION BIOLOGY</p> <p>The Conservation Biology program provides students with the skills needed to ensure natural resources are used in an optimal, sustainable way.</p> <p>Graduates typically work as wildlife and fisheries technologists, environmental educators, conservation officers and museum technologists.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or 30-2 or Physics 30	/	/	Chemistry 30 ●	Biology 30 ●	/

START DATE

-  Fall
-  Winter
-  Spring
-  Summer

CREDENTIAL

-  Applied Degree
-  Certificate
-  Degree
-  Diploma






PROGRAM LENGTH










-  < 1 year
-  2 years
-  4 years
-  1 year
-  3 years

OTHER

-  Other Requirements
-  Other Entrance Pathways Available

ENTRY ROUTE (FROM DIPLOMA)

-  Bachelor of Applied Business Administration - Finance
-  Bachelor of Applied Information Systems Technology
-  Bachelor of Business Administration
-  Bachelor of Technology
-  Bachelor of Technology in Construction Management

PROGRAM	MINIMUM ACADEMIC REQUIREMENTS						COMPETITIVE REQUIREMENT
	ENGLISH	MATH	COURSES MARKED WITH A ● ARE REQUIRED; OTHERWISE, CHOOSE ONE OF:				
			SCIENCE	PHYSICS	CHEMISTRY	BIOLOGY	
<p>BIOLOGICAL SCIENCES TECHNOLOGY: ENVIRONMENTAL MONITORING AND ASSESSMENT</p> <p>The Environmental Monitoring and Assessment program provides students with the skills to monitor and assess environmental qualities, apply principles of quality assurance/control, manage waste and remediate land.</p> <p>Graduates typically work in environmental laboratories, service companies, oil and gas, municipalities and post-secondary institutions.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or 30-2 or Physics 30	/	/	Chemistry 30 ●	Biology 30 ●	/
<p>FOREST TECHNOLOGY</p> <p>The Forest Technology program provides students with field-oriented training in forest management activities such as reclamation, fire behavior and protection.</p> <p>Graduates typically work for government agencies, consulting firms, conservation groups and private landowners.</p> <p>     </p>	English 30-1 or English 30-2	Math 30-1 or Math 30-2	Science 30	Physics 20	Chemistry 20	Biology 20	63% overall average
<p>WATER AND WASTEWATER TECHNICIAN</p> <p>The Water and Wastewater Technician program provides students with skills to troubleshoot and repair components and processes in the areas of water treatment, water distribution, wastewater treatments and collection.</p> <p>Graduates typically work in municipal public works departments, as contractors involved in the installation of water and wastewater systems, and for companies who service and supply water and wastewater materials and equipment.</p> <p>     </p>	English 30-1 or English 30-2	Math 20-1 or Math 20-2	Science 20	Physics 20	Chemistry 20	Biology 20	/