Occupational Therapy Assistant & Physiotherapist Assistant (OTA & PTA)

Program Code: 9151
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall
Campus: Centennial Science and Technology Centre
healthstudies@centennialcollege.ca
416-289-5303

Program Overview

Occupational therapy assistants and physiotherapy assistants work under the supervision of registered occupational therapists and physiotherapists to support people whose ability to function and adapt has been impaired by injury, illness, the process of aging, developmental disability or emotional disability.

Students of Centennial’s OTA & PTA program benefit from high academic standards, personal attention, and the opportunity to develop skills in an environment equipped with a wide range of tools used in industry at the Centennial Science and Technology Centre Campus. Faculty members ensure that you are provided with the educational tools, training and hands-on experience necessary to meet career challenges with enthusiasm, professionalism and current industry knowledge.

Benefits

Career Outlook

As our population ages, temporary or permanent limitations related to movement and occupational performance are expected to increase. As a result, there is a need for registered therapists to direct and collaborate with their occupational therapist assistant and physiotherapist assistant (OTA & PTA) to deliver safe competent care. Centennial College’s program prepares you for a fulfilling career in a range of settings such as: hospitals, nursing homes, seniors’ residences, extended care facilities, schools, clinics, rehabilitation centres and private industry. Graduates may work with a broad client population consisting of infants, children, adults and the aged.

Please note that due to the nature of this profession, OTA’s & PTA’s are required to tolerate regular physical activity during the course of their work day. It is recommended that you have a high level of fitness when entering the program.

Program Learning Outcomes

Graduates demonstrate the ability to:
- communicate appropriately and effectively, through verbal, nonverbal, written and electronic means, with clients, their families, and significant others, occupational therapists, physiotherapists, health care providers, and others
- participate in the effective functioning of interprofessional health care teams
- establish, develop, maintain, and bring closure to client-centred, therapeutic relationships
- document and complete client records in a thorough, objective, accurate, and non-judgmental manner
- develop and implement strategies to maintain, improve, and promote professional competence
- perform effectively through the application of relevant knowledge of health sciences, psychosocial sciences, and health conditions
- perform functions common to both physiotherapy and occupational therapy practices that contribute to the development, implementation and modification of intervention/treatment plans, under the supervision of and in collaboration with the occupational therapist and/or physiotherapist.

Distinctive Benefits for Centennial Students

- learn from registered occupational therapists and physiotherapists
- participate in several fieldwork experiences which provide opportunities for the supervised application of skills in a variety of clinical settings, with a range of client populations.

Admission Requirements

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements

- compulsory English 12C or U, or skills assessment or equivalent
- biology 11C or U or equivalent

Non-Academic Requirements

Due to the nature of this profession, it is recommended that you have a high level of fitness when entering the program.

Field Placement Requirements

Certifications must be valid for the entire field placement.
- CPR Level HCP (Health Care Provider) and Standard first aid certification
- Clear Vulnerable Police Check prior to semester 2
- completion of an Immunization Review Form
- Mask fit test

Graduation Requirements

- minimum C grade in all courses (including GNED’s and Communications) required
- Successful completion of all clinical requirements

Program Outline

Semester 1
OTPT-100 Introduction to Occupational Therapy and Physical Therapy
OTPT-102 Anatomy and Physiology
OTPT-103 The Health Care System
OTPT-104 Normal Function and Movement
OTPT-105 Issues in Healthy Aging
GNED-129 Principles of Human Behaviour
COMM-170/171 College Communication 2 (ESL)

Semester 2
OTPT-201 Orientation to Rehabilitation Practice
OTPT-202 Disabling Condition 1
OTPT-204 Physiotherapy Techniques – Therapeutic Exercise
OTPT-205 Human Lifespan Development
OTPT-206 Occupational Therapy Therapeutic Skills – Part 1
OTPT-207 Establishing Therapeutic Communication
GNED-500 Global Citizenship: From Social Analysis to Social Action

Semester 3
OTPT-301 Rehabilitation Practice 1
OTPT-302 Disability Condition 2
OTPT-303 Physiotherapy Skills – Therapeutic Modalities
OTPT-304 Occupational Therapy Therapeutic Skills – Part 2
OTPT-307 Enhanced Communication Strategies
OTPT-308 Mental Health Concepts and Techniques

Semester 4
OTPT-401 Rehabilitation Practice 2
COMM-180 College Communications 3
GNED General Education Elective

Note: all courses require a minimum C grade
Note: Students will be placed in the appropriate English level based on skills assessment results

At a Glance

- You will develop knowledge and skills to work with clients in need of assistance to perform self-care, promote movement, improve function, and participate in leisure activities.
- Graduates are dual trained in the areas of OTA and PTA making them eligible to work with clients receiving physiotherapy and/or occupational therapy services.
Office Administration – Executive

Program Code: 2606
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall, Winter
Campus: Progress
416-289-5000 ext. 2280
business@centennialcollege.ca

Program Overview
The Office Administration – Executive program teaches you how to handle the multiple functions performed by administrative assistants who work with upper-level management. Program topics cover the full range of office and business skills, including extensive software skills, Internet research abilities, presentation preparation, taking minutes of meetings, composing business correspondence, and arranging national and international conferences.

Emphasis is placed on developing document production, and related computer skills. You will also concentrate on client service, communication, time management and supervisory skills.

TESTIMONIALS
“From the students who participate in the executive work placement program, to the employees we have hired through the school, we are proud to be associated with Centennial College’s Office Administration program.”
David Lipton – President SQM

BENEFITS

CAREER OUTLOOK
Graduates are prepared for positions as:
- administrative assistants
- administrative support officers
- senior secretaries
- executive secretaries

Organizations hiring program graduates include:
- Maritime Life
- Ontario March of Dimes
- SQM
- Xerox

PROGRAM HIGHLIGHTS
- training is provided in automated office systems such as word processing, spreadsheet, database and presentation software
- faculty members have experience in the business world and up-to-date knowledge of current trends and requirements
- the diploma that is earned reflects high standards of learning

EDUCATIONAL PARTNERS
Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes, and professional associations. These partnerships allow graduates to apply academic credit towards further study.

Our Partner is:
- Athabasca University

ADMISSION REQUIREMENTS
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS
- compulsory English 12C or U, or skills assessment or equivalent

GRADUATION REQUIREMENTS
- minimum C grade average is required for graduation with an overall minimum GPA of 2.0
- minimum keyboarding speed of 40 wpm

PROGRAM OUTLINE

Semester 1
OAGN-113 Microcomputers 1
OAGN-115 Introduction to Word Processing
OAGN-118 Transcription Techniques 1
OAGN-124 Financial Procedures
COMM-160/161 College Communications 1/(ESL)
GNED-105 Canadian Studies

Semester 2
OAGN-116 Word Processing Applications
OAGN-119 Transcription Techniques 2
OAGN-123 Microcomputers 2
OAGN-125 Office Procedures & Communications
COMM-170/171 College Communications 2/(ESL)

Semester 3
OAEK-243 Executive Communications
OAEK-253 Executive Office Procedures
OAEK-254 Corporate Communications 1
OAGN-261 Integrated Software Applications
GNED-500 Global Citizenship: From Social Analysis to Social Action
JOBS-221 Job Search Skills

Semester 4
OAEK-244 Computerized Bookkeeping
OAEK-255 Travel, Meeting & Conf. Procedures
OAEK-256 Corporate Communications 2
OAGN-262 Field Placement*
GNED General Education Elective

Note: Students will be placed in the appropriate English level based on skills assessment results
* The prerequisites for entrance to the fourth semester work placement course (OAGN-262) are:
1. Student must have passed 14 of 16 courses in the first three semesters
2. Student must acquire an overall minimum GPA of 2.0
3. Student must have a minimum C grade in each of the following: COMM-170/171, OAEK-243, OAEK-253 AND OAEK-254
Office Administration – General

Program Overview

The Office Administration – General program focuses on the complete range of administrative support skills needed to succeed in today’s office environment. You will not only sharpen your hands-on skills in areas such as word processing, document production, office procedures, microcomputers applications and transcription, but you will also develop polished communication and human relations expertise. This foundation program provides training for entry into a variety of administrative assistant positions.

BENEFITS

CAREER OUTLOOK
Completion of this Office Administration certificate can give you advanced standing transfer into the second year of some Office Administration diploma programs at Centennial College. Graduates are prepared for careers as:
- receptionists
- entry-level administrative assistants

PROGRAM HIGHLIGHTS
- training is provided in automated office systems, including word processing, spreadsheet, database and presentation software
- faculty members have experience in the business world and up-to-date knowledge of current trends and requirements
- the certificate that is earned reflects high standards of learning
- graduates may go on to a second year of specialized study in the executive, legal or medical secretarial areas

ADMISSION REQUIREMENTS

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS
• compulsory English 12C or U, or skills assessment or equivalent

TRANSFER REQUIREMENTS
• to be considered for transfer to the Office Administration Medical (program code 2603) Legal (program code 2602) diploma programs, you must successfully complete OAGN-127 Machine Transcription.
• to be considered for transfer to the Office Administration Executive (2606) diploma programs, you must successfully complete either OAGN-119 Transcription Techniques 2 or OAGN-127 Machine Transcription.

GRADUATION REQUIREMENTS
• minimum C grade average is required for graduation with an overall minimum GPA of 2.0
• minimum keyboarding speed of 30 wpm

PROGRAM OUTLINE

Semester 1
- OAGN-113 Microcomputers 1
- OAGN-115 Introduction to Word Processing
- OAGN-118 Transcription Techniques 1
- OAGN-124 Financial Procedures
- COMM-160/161 College Communications 1/(ESL)
- GNED-105 Canadian Studies

Semester 2
- OAGN-116 Word Processing Applications
- OAGN-123 Microcomputers 2
- OAGN-125 Office Procedures & Communications
- OAGN-127 Machine Transcription
- or
- OAGN-119 Transcription Techniques 2
- COMM-170/171 College Communications 2/(ESL)

Notes: Students will be placed in the appropriate English level based on skills assessment results
Model Routes are subject to change due to program review & updates.
Program Overview

The Office Administration – Legal program provides you with the skills and advanced training necessary to qualify for an administrative support position in the legal field.

Among the specialized areas covered are, preparation of legal documents using word processing, legal terminology and procedures in law firms or corporate legal departments.

You will also concentrate on how to use specialized legal office software with emphasis on computer-generated document production and word processing.

TESTIMONIALS

“My education at Centennial has propelled me further into my career than my competition. The course materials were well-tailored and suited to the Office Administration program which gave students insight into their respective fields. Furthermore, the professors were highly knowledgeable in their fields and their (work) experience, provided students with a better understanding of what to expect when entering the work force. I am especially pleased that Centennial offers field placement in the Office Administration program because it gives students like me a chance to succeed and it helped open doors that otherwise would have been very difficult to open.”

Wajiha Kahn (Graduate, Office Administration – Legal, 2007), Legal Assistant, Osler, Hoskin & Harcourt LLP, Barristers & Solicitors
Office Administration – Medical

Program Code: 2603
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall, Winter
Campus: Progress
416-289-5000 ext. 2280
business@centennialcollege.ca

Program Overview
The Office Administration – Medical program teaches you to become part of the team in a doctor’s office, hospital, clinic, health agency, veterinary or animal hospital setting. Special emphasis is placed on learning medical terminology, transcription of recorded dictation, handling medical records, bookkeeping, OHIP processing and human relations skills in dealing with patients.

Testimonials
“The Princess Margaret Hospital has had a long-standing successful partnership with Centennial College that has resulted in numerous employment opportunities for their graduates. We’ve found their graduates to be highly energized and well-trained individuals, who are passionate about their field of study as well as their school. Centennial College graduates have demonstrated good leadership skills and a strong commitment to helping our patients.”
Rudy J. Dahdal, MHSc. (H PME), Senior Manager, Radiation Medicine Program, Princess Margaret Hospital – University Health Network

“Being a student at Centennial College helped me to achieve my goals by providing me with the skills, training and knowledge that I needed to succeed. The two-year Office Administration – Medical program focused on ensuring that I knew the basics inside and out of writing and proofreading. The professors showed me how to produce polished and accurate documents, sharpen my computer skills and used scenarios on how to handle specific tasks like mail distribution, scheduling, OHIP billing, customer service and e-mail etiquette.
Stephanie Mason (Graduate, Office Administration – Medical, 2007), Administrative Assistant, Primary Care Clinic, CMHA – Durham Branch

Benefits
Career Outlook
Graduates are being hired by:
- Hospital for Sick Children
- Mount Sinai Hospital
- Princess Margaret Hospital
- Scarborough Centenary Hospital

Program Highlights
- training in automated office systems such as word processing, spreadsheet, database and medical billing software is provided
- faculty members have experience in the business world and up-to-date knowledge of current trends and requirements
- the diploma that is earned reflects high standards of learning

Educational Partners
Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes, and professional associations. These partnerships allow graduates to apply academic credit towards further study.
Our Partner is:
- Athabasca University

Admission Requirements
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements
- compulsory English 12C or U, or skills assessment or equivalent

Graduation Requirements
- minimum C grade average is required for graduation with an overall minimum GPA of 2.0
- minimum keyboarding speed of 40 wpm

Program Outline
Semester 1
OAGN-113 Microcomputers 1
OAGN-115 Introduction to Word Processing
OAGN-118 Transcription Techniques 1
OAGN-124 Financial Procedures
COMM-160/161 College Communications 1/(ESL)
GNED-105 Canadian Studies

Semester 2
OAGN-116 Word Processing Applications
OAGN-123 Microcomputers 2
OAGN-125 Office Procedures & Communications
OAGN-127 Machine Transcription
COMM-170/171 College Communications 2/(ESL)

Semester 3
OAGN-261 Integrated Software Applications
OAME-236 Medical Terminology 1
OAME-257 Medical Office Procedures
OAME-258 Medical Machine Transcription 1
GNED-500 Global Citizenship: From Social Analysis to Social Action
JOBS-221 Job Search Skills

Semester 4
OAGN-262 Field Placement*
OAME-237 Medical Terminology 2
OAME-259 Medical Office Assisting/Billing
OAME-260 Medical Machine Transcription 2
GNED General Education Elective

Note: Students will be placed in the appropriate English level based on skills assessment results.

* The prerequisites for entrance to the fourth semester work placement course (OAGN-262) are:
1. Student must have passed 14 of 16 courses in the first three semesters
2. Student must acquire an overall minimum GPA of 2.0
3. Student must have a minimum C grade in each of the following: COMM-170/171, OAME-236, OAME-257 and OAME-258
Program Overview

Centennial Paramedic graduates enjoy an excellent reputation in the field. Your career advantage begins with hands-on training that covers emergency, medical, trauma and psychological situations in state-of-the-art lab facilities located in Centennial Science and Technology Centre Campus. Courses are taught by certified advanced care paramedics actively involved in the field.

Graduates from the Centennial Paramedic program are eligible and well-prepared to take the Ministry of Health exam for Advanced EMCA. Graduates of this program have consistently scored above the Provincial average on the Advanced EMCA certification exam. Ministry regulations require this certification for employment as a paramedic in Ontario. Centennial takes pride in its exceptional standards, high quality graduates, and high employment rates.

Benefits

Career Outlook

Most graduates work for a licensed Ontario Ambulance Service. Many graduates also go on to be employed elsewhere in Canada and the United States. With experience and further study, graduates can qualify as Advanced Care Paramedics or Critical Care Paramedics, providing specialized care in land or air ambulances. The Centennial College Paramedic program has an outstanding graduate employment rate. Over the past several years 97 per cent of the school’s graduates were employed as primary care paramedics (PCP). The average annual starting salary is approximately $70,000.

Program Learning Outcomes

Graduates have demonstrated the ability to:

• communicate and interact effectively and appropriately with patients and others
• assess patients using relevant theory and practices
• establish patients’ treatment and transport priorities based on assessment findings
• implement preventive and therapeutic patient management strategies to maintain and promote patients’ well-being

• integrate and perform delegated controlled medical acts in a simulated, clinical, and field setting
• evaluate in an ongoing manner the effectiveness of patient management strategies used and adapt or change strategies to provide optimal care for patients
• ensure the operational safety and preparedness of an ambulance and its equipment and operate an ambulance-type vehicle in a simulated setting.

Distinctive Benefits for Centennial Students

• faculty are active Advanced Care Paramedics from a variety of EMS agencies across Ontario
• strong community partnerships ensure students get exceptional real life experiences.

Educational Partners

Students can now earn a Paramedic diploma from Centennial while working on a four-year Bachelor of Science in Paramedicine from the University of Toronto at Scarborough (UTSC) or after completing the diploma portion of the program. See page 131 for details.

Admission Requirements

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements

• compulsory English 12C or U, or equivalent
• math 11M or U, or 12C or U or equivalent
• biology 11C or U, or 12U or equivalent; and one of the following sciences: chemistry 11U, or 12C or U, or physics 11U, or 12C or U, or equivalent

Program/Placement Requirements

Certificates must be valid for the entire field placement.

• medical doctor’s statement, certifying a standard of health acceptable to Centennial College, clinical and affiliated EMS agencies. The statement must be as outlined in the Ambulance Act, used in practical experience, and as required for a Class “F” driver’s licence
• not have been convicted of a crime involving moral turpitude (clear vulnerable persons police background record searches are completed throughout the program)
• a Class “F” licence is required for employment in the province of Ontario (but not for program admission)

• completion of CPR Level HCP course (Health Care Provider) and standard first aid certification
• as part of Clinical and/or Field Placements, students are required to complete Mask Fit Testing, which may require students to be clean shaven at time of testing, during clinical and/or field placements
• it is strongly recommended that applicants have a high level of fitness when entering the program. There is a lifting evaluation process that students must pass in each semester in order to move on.

Before taking this program, applicants should be aware that under the provisions of the Ambulance Act, employment as a paramedic:

A) Is prohibited to any individual who: in the past year has
• received six or more demerit points on his/her driving record
• had his/her driver’s licence suspended in the previous two years
• been prohibited from driving under the Criminal Code of Canada within the past three years, OR
B) Requires an Ontario Secondary School Diploma or equivalent.

Note: These regulations can be found under the Ambulance Act of Ontario

Program Outline

Semester 1

Para-122 Prehospital Care 1: Theory and Lab*
Para-126 Professional and Legal Issues, Research, Responsibilities and Leadership*
Para-127 Therapeutic Communication and Crisis Intervention*
Para-128 Anatomy*
Gned-129 Principles of Human Behaviour*
Engl-170 Reading & Writing Prose

Semester 2

Para-130 Altersations of Human Body Functions 1*
Para-132 Prehospital Care 2: Theory, Clinical and Field*
Para-136 Pharmacology for Allied Health*
Gned-500 Global Citizenship: From Social Analysis to Social Action

Semester 3

Para-240 Altersations of Human Body Functions 2*
Para-242 Prehospital Care 3: Theory, Clinical and Field*
Para-243 Medical Directed Therapeutics and Paramedic Responsibilities
Gned-101 Approaches to Literature
Gned-500 Global Education Elective

Semester 4

Para-255 Prehospital Care 4: Theory & Field*
Para-256 PCP Integration & Decision Making*

*minimum C grade required
Personal Support Worker

Program Code: 9111
Program Length: 1 year/2 semesters
Credential: Ontario College Certificate
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
healthstudies@centennialcollege.ca
416-289-5303

Program Overview

The Personal Support Worker program will prepare you with the knowledge and skills necessary to provide others the care and assistance they need to live active and fulfilled lives in the community and institutions. It focuses on the full range of home- and health-related services required by the elderly, the disabled, those with chronic illnesses, the cognitively impaired, and those recovering from acute illnesses.

Your training will give you the flexibility to adapt to changing settings, whether in the home, schools, community residential facilities, nursing homes or chronic care facilities.

BENEFITS

CAREER OUTLOOK

With a new emphasis on non-institutional care, the demand for trained Personal Support Workers is increasing. Graduates of our program are employed in hospitals, long-term care facilities, nursing homes, community agencies, private duty and homecare, and school systems with behaviourally and developmentally challenged children. Employers of our graduates include William Osler School, Nesbit Lodge, Leisureworld, Alexis Lodge, Rouge Valley and Sheppard Terrace. Placement agencies call our program to hire graduates. Hourly wages range from $12 to $30/hr.

DISTINCTIVE BENEFITS FOR CENTENNIAL STUDENTS

- the program prepares you for responsibilities in a variety of settings
- the certificate that is earned is recognized by Ministry of Training, Colleges, and Universities; community agencies and clinical settings
- 15 weeks of extensive practical experience (more than half the total program hours) is spent working with teams in long-term care institutions, the community and at in-home settings
- training reflects the latest practices and policies in the field
- small group instruction in clinical and laboratory setting is provided
- faculty members are experienced, caring and supportive

PROGRAM LEARNING OUTCOMES

Graduates have demonstrated the ability to:

- act within the personal support worker role, under supervision, and by following care/service plans and established policies and procedures
- participate as a member of care/service teams in both community and institutional settings
- use, under supervision, basic knowledge, care/service plans, and established policies and procedures
- provide client-centered and client-directed care under supervision and by following care/service Plans and established policies and procedures, in both community and institutional settings
- make, collect, and report to the supervisor relevant observations in an ongoing and timely manner and record this information promptly
- support the client’s personal care requirements by following care/service plans and established policies and procedures
- support the client’s home management services by following care/service plans and established policies and procedures
- communicate effectively and appropriately using oral, written, and nonverbal methods
- assist in the promotion and maintenance of a safe and comfortable environment for clients, their families, self, and others.

ADMISSION REQUIREMENTS

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS

- compulsory English 12C or U, or skills assessment or equivalent

NON-ACADEMIC REQUIREMENTS

- English proficiency will be considered in the admission process

FIELD PLACEMENT REQUIREMENTS

Certifications must be valid for the entire clinical placement:

- a completed Immunization Review Form (a standard form will be issued to student after receipt of your application)
- successful completion of a current recognized course in CPR Level HCP (Health Care Provider & Standard First Aid (courses available at the College at an additional cost)
- annual clear Vulnerable Persons Police Check prior to community/clinical placement
- mask-fitting completed at the College in semester 1
- student must be in good overall academic standing to proceed to practicum minimum C or P grade (60 per cent) required in all courses
- student must complete CPR, standard first aid, police check, mask-fitting and medical forms two weeks prior to the PSW Community Practice PSHS-106

MONETARY REQUIREMENTS

The following incidental fees are in addition to tuition: books, uniform and shoes, vulnerable police reference check, CPR Level HCP & Standard First Aid, parking

PROGRAM OUTLINE

Semester 1
PSHS-101 Foundations of Personal Support
PSHS-102 Personal Support Communication
PSHS-103 Developmental Stages & Alterations in Health
PSHS-104 Alterations in Mental Health
PSHS-105 PSW Skills Laboratory 1
PSHS-106 PSW Community Practice
COMM-160/161 College Communication 1
Semester 2
PSHS-121 Body Structure, Function and Common Conditions
PSHS-122 Supporting Clients in Palliative Care
PSHS-123 Personal & Professional Growth
PSHS-124 PSW Skills Lab 2
PSHS-125 PSW Clinical Practice
GNED Elective

At A Glance

Graduates of this program are prepared to work with:

- individual clients in their homes
- residential facilities and long-term care institutions to assist with activities of daily living, under the supervision of professionals and according to a care plan
- community support agencies
Pharmacy Technician

Program Code: 5850
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall
Campus: Centennial Science and Technology Centre
416-289-5303
healthstudies@centennialcollege.ca

Program Overview
Pharmacy Technicians are considered valued and essential members of Ontario’s health care team. They are health care professionals who are able to prepare, dispense and compound medications. They also receive, order, and manage inventory, interact with patients and a variety of health care providers; and assist in the provision of pharmaceutical care and pharmacy services.

You will be prepared to meet the strict vocational outcomes and elements of performance for Pharmacy Technicians approved by the Ministry of Education.

Benefits

Career Outlook
The Pharmacy Technician program prepares students for a fulfilling career in community, hospital, long term care or specialized pharmacies. The market for pharmacy technicians is booming and job opportunities are plentiful. Based on graduate employment surveys, the average starting salary for Centennial graduates is in the range of $34,500. Centennial’s program boasts an excellent graduate employment rate of 96 per cent.

Program Learning Outcomes
Graduates have demonstrated the ability to:
- Communicate effectively with patients, pharmacists and other colleagues, and with health care providers within the scope of the profession.
- Receive and prioritize written prescriptions and verbal requests accurately in compliance with legislation and established standards, policies, and procedures.
- Dispense pharmaceutical products accurately, efficiently, and in compliance with legislation and established standards, policies, and procedures.
- Release pharmaceutical products in compliance with legislation and established standards, policies, and procedures.

Distinctive Benefits for Centennial Students
- Hands-on practical laboratory experience
- Opportunity exists for work experience in community, hospital and corporate environments
- Faculty members are experts with experience in all areas of the pharmaceutical industry
- Students are eligible to write the Pharmacy Examining Board of Canada qualifying exam for pharmacy technicians in pursuit of the RPhT (Registered Pharmacy Technician) designation.
- The program is accredited with the Canadian Council of Accreditation of Pharmacy Programs

Admission Requirements
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements
- Compulsory English 12C or U, or skills assessment equivalent
- Math 11M or U or 12C or U, or skills assessment equivalent
- 11C or U or 12C or U, chemistry, physics or biology, or skills assessment equivalent

Non-Academic Requirements
- English proficiency will be considered in the admission process
- Science requirement must have been achieved within seven years of the program start date.

Field Placement Requirements
Certifications must be valid for the entire field placement.

Note:
- Requires a minimum ‘B’ grade. All other courses require a minimum ‘C’ grade.
- Students will complete 7+1 weeks of placement. Successful completion of the Comprehensive Examination at a ‘B’ grade or higher, and S – Satisfactory grade in each semester 4 course, is mandatory to pass the PHAR-230 & PHAR-228 courses.

Program Outline

Semester 1
- PHAR-113 Community Pharmacy Computers
- PHAR-115 Pharmaceutical Calculations*
- PHAR-118 Community Practice Theory*
- PHAR-120 Professional Practice & Drug Programs
- PHAR-131 Community Pharmacy Dispensing Practice I*
- COMM-170/171 Reading and Writing Prose
- GNEd-147 Ethics in Business

Semester 2
- PHAR-123 Home Health Care and Non-Prescription Products
- PHAR-124 Compounding*
- PHAR-126 Community Pharmacy Placement I*
- PHAR-129 Introduction to Pharmacology
- PHAR-132 Community Pharmacy Dispensing Practice II*
- GNEd-147 General Education Elective

Semester 3
- ANAT-113 Anatomy & Physiology
- PHAR-210 Aseptic Technique Principles I*
- PHAR-214 Institution Dispensing I*
- PHAR-215 Institution Communications and Operations
- PHAR-219 Advanced Pharmacology
- COMM-180 Approaches to Literature
- GNEd-500 Global Citizenship: From Social Analysis to Social Action

Semester 4
- PHAR-221 Institution Dispensing II*
- PHAR-222 Aseptic Technique Principles II*
- PHAR-226 Integrated Practice & Career Development
- PHAR-227 Pharmacy Management*
- PHAR-228 Community Placement 2*+
- PHAR-230 Final Pharmacy Placement*+

Note:
* Requires a minimum ‘B’ grade. All other courses require a minimum ‘C’ grade.
+ Students will complete 7+1 weeks of placement. Successful completion of the Comprehensive Examination at a ‘B’ grade or higher, and S – Satisfactory grade in each semester 4 placement, is mandatory to pass the PHAR-230 & PHAR-228 courses.

At A Glance

- Due to the challenging nature of this profession, applicants should have strong critical thinking, mathematical and English communication skills and a commitment to self-directed thinking.
- The program incorporates classroom, lab work and includes four field placements that total 375 hours.
- Students graduate with knowledge of pharmacology and unparalleled skills in aseptic technique, pharmaceutical calculations, compounding, inventory control, community and institution dispensing.

Post-secondary Programs/107
EDUCATIONAL PARTNERS
- University of Guelph Humber
- Utica College – University of Syracuse

ADMISSION REQUIREMENTS
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS
- compulsory English 12C or U, or skills assessment or equivalent

NON-ACADEMIC REQUIREMENTS
- English proficiency will be considered in the admission process
- program information session may be required
- applicants are advised that some program experiences may require a criminal reference check. Certain criminal convictions may disallow participation in these experiences and program completion may not be possible.

STANDARD POLICING REQUIREMENTS:
Important Additional Information – Listed below are the criteria necessary for a career in policing. Failure to meet these minimum standards will disqualify applicants from a career in policing, regardless of how successful they are in this program. Our faculty uses these requirements as counselling tools to guide applicants toward success. For specific information on these and other requirements, please contact the program coordinator.

- No criminal record: Applicants for police services in Ontario must be able to pass a security clearance as well as a background investigation including CPIC, credit and reference checks.
- A valid driver’s licence: Applicants must have a valid “G” driver’s licence before starting policing duties and a clean driving abstract (record). If applicants have driving violations, they cannot submit their application to police services until their driving demerit point accumulation is six points or less for permanent drivers and three points or less for probationary drivers.
- First aid and/or CPR certification: Applicants must possess a current standard first aid certificate and a Basic Rescuer (level C) CPR or equivalent certificate. It is a stipulation by most Ontario Police Agencies that these courses be taken with the Canadian Red Cross or St. John’s Ambulance. Centennial’s Continuing Education department offers these courses throughout the year.
- Physical requirements:
  - Vision: Vision requirements vary between agencies. Applicants are advised to check with individual agencies. Persons who are colour blind will not be accepted by Police Agencies.
  - Hearing: Standard normal hearing (frequencies of 500 to 3000Hz).
  - Physical Fitness: Applicants must meet the minimum standards of the Physical Readiness Evaluation for Police (PREP) test.

PROGRAM OUTLINE

Semester 1
- PFPR-101 Canadian Criminal Justice System*
- PFPR-104 Principles of Ethical & Moral Reasoning*
- PFPR-106 Professional Police Standards*
- PFPR-122 Issues in Diversity*
- COMM-160/161 College Communications 1*
- GNED-129 Principles of Human Behaviour (Mandated)*

Semester 2
- PFPR-125 Criminology for Policing*
- PFPR-129 Fitness 1*
- PFPR-130 Communication Skills*
- PFPR-131 Current Criminal Justice*
- PFPR-132 Criminal Code & Police Powers*
- COMM-170/171 College Communications 2*
- GNED-500 Global Citizenship: From Social Analysis to Social Action*

Semester 3
- PFPR-204 Interviewing & Investigations*
- PFPR-205 Youth in Conflict with the Law*
- PFPR-206 Provincial Offences*
- PFPR-207 Conflict Management*
- PFPR-212 Crime Scene Management*
- PFPR-213 Fitness 2*
- GNED General Education Elective*

Semester 4
- PFPR-228 Investigation & Evidentiary Procedures*
- PFPR-229 Use of Force*
- PFPR-230 Fitness 3*
- PFPR-231 Community & Experiential Policing*
- PFPR-232 Police Preparation*
- PFPR-233 Provincial Offences Act & Highway Traffic Act*
- GNED General Education Elective*

*minimum C grade required

At A Glance
- the program consists of intense training equivalent to that of a paramilitary environment, which helps you to develop discipline and deportment
- courses are based on sound theoretical knowledge applied to real-life experiences and case studies that incorporate a fundamental perspective on life

This program will be undergoing comprehensive review in 2010 which may result in significant curriculum changes.
Program Overview
A recent study commissioned by the Canadian Nurses Association predicts that by the year 2011 there will be a severe shortage of nurses. This shortage could mean that from 59,000 to 113,000 nurses will be needed. This program focuses on the newest skills in practical nursing. You will have access to a range of knowledgeable, highly-regarded faculty members, well-equipped labs, including interactive simulation lab, academic and personal counselling, on-campus activities and free tutoring.

Benefits
Career Outlook
Graduates of the program will be prepared to work in hospitals, long-term care facilities, and community settings. With additional courses, RPNs are able to work in specialized settings that include operating rooms and clinics.

Program Learning Outcomes
Graduates have demonstrated the ability to:
- practice in a professional manner within a legislative and ethical framework
- develop and sustain therapeutic relationships with clients
- communicate effectively with clients, health care team members, and others
- participate effectively as a team member to support clients’ achievement of their expected health outcomes
- integrate theory, principles, and concepts into competent nursing practice.

Distinctive Benefits for Centennial Students
- faculty have extensive clinical expertise
- classroom instruction is supplemented by independent study, multimedia support and on-going clinical experience
- small group instruction in clinical and laboratory settings utilizes the latest technology, such as computerized simulation
- the program boasts a consistently excellent pass rate on the national examination for RPNs
- graduates may pursue further study in Centennial Continuing Education programs: RPN – Perioperative Nursing or RPN – Advanced Mental Health

Admission Requirements
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements
- compulsory English 12C or U, or equivalent
- math 11M or U, or 12C or U, or equivalent
- biology 11C or U, or 12C or U, or equivalent
- one of the following sciences: chemistry or physics 11U, or 12C or U.

Non-Academic Requirements
- English proficiency will be considered in the admission process
- science requirement must have been achieved within seven years of the program start date

Requirements Prior to Registration
- official transcripts of upgraded courses (if required) must be submitted.
- Prior Learning Assessment & Recognition (PLAR), where applicable, must be completed to deadline as published in Calendar of Important Dates.

Note: Before undertaking this program, applicants should be aware that under the provisions of the Regulated Health Profession and Nursing Acts, to qualify to write the RPN registration exams, they must:
- be a Canadian citizen, permanent resident of Canada, or be authorized under the Immigration and Citizenship Act (Canada)
- not have any criminal convictions including those under the Narcotic Control or Food and Drugs Acts
- not have been the subject of proceedings, with respect to professional misconduct, incompetence or incapacity in another health profession in Ontario, or in nursing in another jurisdiction
- not be suffering from a mental or physical disorder which makes it desirable in the public interest that they not practice

Program Outline

Semester 1
ANAT-113 Introduction to Anatomy and Physiology
PNUR-103 Practical Nursing Professional Growth 1
PNUR-104 Practical Nursing Theory 1
PNUR-105 Practical Nursing Clinical Applications 1 (Pass/Fail)**
COMM-170/171 College Communications 2
GNED-144 Developmental Psychology

Semester 2
PATH-122 Practical Nursing Pathophysiology and Pharmacotherapeutics 1
PNUR-123 Practical Nursing Professional Growth 2
PNUR-124 Practical Nursing Theory 2
PNUR-125 Practical Nursing Clinical Applications 2 (Pass/Fail)**
PNUR-126 Practical Nursing Health Assessment

Semester 3
PATH-222 Practical Nursing Pathophysiology and Pharmacotherapeutics 2
PNUR-203 Practical Nursing Professional Growth 3
PNUR-204 Practical Nursing Theory 3
PNUR-205 Practical Nursing Clinical Applications 3 (Pass/Fail)**
GNED-500 Global Citizenship: From Social Analysis to Social Action
GNED Elective

Semester 4
PNUR-250 Practical Nursing Pre-graduate Clinical Applications

Note: All courses require a minimum C grade
* Students will be placed in the appropriate English level based on skills assessment results
** S – Satisfactory grade required

Global Citizenship and Equity Portfolio
Students in this program will develop a portfolio documenting their engagement with the College’s signature global citizenship and equity competencies. For more information on Global Citizenship and Equity, the GC&E Portfolio, and the supports available to you, please see page i.

At A Glance
- curriculum is based on the College of Nurses’ Standards of Practice and entry to practice competencies for Ontario Registered Practical Nurses
- students learn theoretical knowledge in clinical settings under the direction, facilitation and guidance of faculty who have expertise in: acute, chronic and long-term care.
Practical Nursing (Flexible)

Program Code: 9351
Program Length: 2 years/6 semesters
Credential: Ontario College Diploma
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
healthstudies@centennialcollege.ca
416-289-5303

Program Overview

The Practical Nursing (Flexible) program is offered in a six semester, three-day-per-week flex format to allow you the flexibility you need to meet personal and other commitments. This flex program contains the same courses as the full-time Practical Nursing (9350) program; however, the courses are offered in a six semester three days per week format.

Students have achieved a high pass rate on the National Exam for Registered Practical Nurses (RPNs) for the past two years. Through Centennial’s innovative Bridging to University Program, you will be able to pursue Registered Nurse certification.

If you apply for the Practical Nursing (Flexible) option, you will be still be eligible to apply for OSAP (Ontario Student Assistance Program).

You will complete the flexible option in two years but will be enrolled in the program three semesters per year (fall, winter, spring/summer).

GLOBAL CITIZENSHIP AND EQUITY PORTFOLIO

Students in this program will develop a portfolio documenting their engagement with the College’s signature global citizenship and equity competencies. For more information on Global Citizenship and Equity, the GC&E Portfolio, and the supports available to you, please see page i.

BENEFITS

CAREER OUTLOOK

Registered Practical Nurses work in a variety of settings such as hospitals, long-term care and community settings. With additional courses, RPNs are able to work in more specialized settings including operating rooms and clinics.

A recent study commissioned by the Canadian Nurses Association predicts that by the year 2011, there will be a severe shortage of nurses. This shortage could mean that from 59,000 to 113,000 nurses will be needed.

PROGRAM LEARNING OUTCOMES

Graduates have demonstrated the ability to:
• develop and sustain therapeutic relationships with clients.
• participate effectively as a team member to support clients’ achievement of their expected health outcomes.
• integrate theory, principles, and concepts into competent nursing practice.
• complete assessments in a holistic, comprehensive, and analytical manner.

DISTINCTIVE BENEFITS FOR CENTENNIAL STUDENTS

• faculty have extensive clinical expertise
• classroom instruction is supplemented by independent study, multimedia support and ongoing clinical experience
• small group instruction in clinical and laboratory settings utilizes the latest technology such as computerized simulation
• graduates may pursue further study in Centennial Continuing Education programs: RPN – Perioperative Nursing or RPN – Advanced Mental Health

ADMISSION REQUIREMENTS

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS

• compulsory English 12C or U, or equivalent
• math 11M or U, or 12C or U, or equivalent
• biology 11 C or U, or 12C or U, or equivalent
• one of the following sciences: chemistry or physics 11U, or 12C or U, or equivalent.

NON-ACADEMIC REQUIREMENTS

• English proficiency will be considered in the admission process
• science requirement must have been achieved within seven years of the program start date

PROGRAM/PLACEMENT REQUIREMENTS

• see Practical Nursing, page 109.

PRIOR TO REGISTRATION

• official transcripts of upgraded courses (if required) must be submitted.
• Prior Learning Assessment & Recognition (PLAR), where applicable, must be completed to deadline as published in Calendar of Important Dates

At A Glance

• curriculum is based on the College of Nurses’ Standards of Practice and entry to practice competencies for Ontario Registered Practical Nurses
• students learn theoretical knowledge in clinical settings under the direction, facilitation and guidance of faculty who have expertise in: acute, chronic and long-term care.

OTHER REQUIREMENTS

Before undertaking this program, applicants should be aware that under the provisions of the Regulated Health Profession and Nursing Acts, to qualify to write the RPN registration exams, they must:
• be a Canadian citizen, permanent resident of Canada or be authorized under the Immigration Act (Canada)
• not have any criminal convictions including those under the Narcotic Control or Food and Drugs Acts
• not have been the subject of proceedings, with respect to professional misconduct, incompetence or incapacity in another health profession in Ontario, or in nursing in another jurisdiction
• not be suffering from a mental or physical disorder which makes it desirable in the public interest that they not practice.

GRADUATION REQUIREMENTS

• minimum C grade required in all courses to graduate

PROGRAM OUTLINE

Semester 1A
ANAT-113 Introduction to Anatomy and Physiology
PNUR-103 Practical Nursing Professional Growth 1
COMM-170/171 College Communications 2
GNEP-143 Developmental Psychology

Semester 1B
PATH-222 Practical Nursing Pathophysiology and Pharmacotherapeutics 1
PNUR-104 Practical Nursing Theory 1
PNUR-105 Practical Nursing Clinical Applications 1 (Pass/Fail) **
PNUR-123 Practical Nursing Professional Growth 2

Semester 2A
PNUR-116 Practical Nursing Health Assessment
PNUR-203 Practical Nursing Professional Growth 3
GNEP-500 Global Citizenship: From Social Analysis to Social Action
GNEP-600 General Education Elective

Semester 2B
PNUR-124 Practical Nursing Theory 2
PNUR-125 Practical Nursing Clinical Applications 2 (Pass/Fail) **

Semester 3
PATH-222 Practical Nursing Pathophysiology and Pharmacotherapeutics 2
PNUR-204 Practical Nursing Theory 3
PNUR-205 Practical Nursing Clinical Applications 3 (Pass/Fail) **

Semester 4
PNUR-250 Practical Nursing Pre-graduate Clinical Applications

Note: All courses require a minimum C grade
**S – Satisfactory grade required
Pre-Business – Business Foundations

Program Code: 2120*
Program Length: 1 year/2 semesters
Credential: Ontario College Certificate
Start: Fall, Winter, Summer
Campus: Progress
416-289-5000 ext. 2280
business@centennialcollege.ca

Program Overview

The Pre-Business – Business Foundations program at Centennial College’s School of Business is an alternate program intended for applicants who do not meet the admission requirements of other post secondary Business programs and who are motivated to undertake a specially-designed program to secure additional academic credentials. Successful completion of the Business Foundation program provides eligibility for admission to the substantive business programs in the School. The program creates the opportunity for students to develop themselves through carefully crafted and intensive learning experiences, focused on the foundational subjects of English, mathematics, accounting fundamentals, business fundamentals, microcomputing fundamentals and basic strategies for business success.

Benefits

Completion of the Business Foundations Certificate can help you to meet the academic requirements for business diploma programs at Centennial College. It may give you up to five courses – credits towards some business courses in other School of Business programs, depending on your grade levels achieved.

Communication skills that are needed for career success are improved.

A strong foundation for future career plans or further education in business is provided.

Program Highlights

- smaller class sizes and more individualized attention
- carefully measured pace of program delivery
- specially crafted learning experiences
- strong emphasis on the use of English in all its aspects
- delivered by sensitive and experienced professors

At A Glance

Students with appropriate grades get an opportunity to obtain five of the first 10 first-year business courses

Admission Requirements

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

*Pre-Business – Business Foundations is only offered as an alternate program to applicants who do not meet the minimum English and/or math requirements for other post-secondary business programs.

Please apply to one (or more) of Centennial College’s post-secondary business programs.

Your application will be reviewed by the Enrolment Services Office and applicants who do not meet the minimum English and/or math requirements for the post-secondary business programs may be given an alternate offer of admission to Pre-Business – Business Foundations.

Other Requirements

- English and math skills assessment may be required.

Graduation Requirements

- minimum C grade average is required for graduation with an overall minimum GPA of 2.0

Program Outline

Semester 1
BFPE-111 Microcomputer Theory & Practice Fundamentals
BFPE-112 Accounting Fundamentals 1
BFPE-120 Canadian & International Business Fundamentals 1
MATH-105 Basic Mathematics
OR
MATH-118 Mathematics of Finance Part 1
COMM-133/132 Developing College Communications Skills (ESL)
OR
COMM-160/161 Developing College Communications Skills (ESL)
Semester 2
BFPE-210 Basic Strategies for Business Success
OR
GNED General Education Elective
BFPE-212 Accounting Fundamentals 2
BFPE-220 Canadian & International Business Fundamentals 2
MATH-118 Mathematics 1
OR
MATH-119 Mathematics of Finance Part 2
COMM-163/162 Building College Communications Skills (ESL)
OR
COMM-170/171 College Communications 2(ESL)

Credits: Depending on grades obtained credits may be earned towards ACCT112, BUSN110, BUSN119, COMP106, MATH 118/119 (MATH106) and GNED.

Students will be placed in the appropriate English and math levels based on skills assessment results. This may lead to additional courses and require extra time and fees.
Pre-Health – Health Foundations (For ESL Learners)

**Program Overview**

The Health Foundations program is an academic pathway for English-as-a-Second Language (ESL) students who wish to continue post-secondary education into college health programs in which English fluency (reading, writing, listening and speaking) is a professional requirement for safe practice.

This academic pathway will assist you in enhancing communication skills necessary for the development of professional relationships within the workplace. You will also learn the health terminology utilized within Canadian health care settings. This Pre-health program will enable you to continue into the professional health program of your choice, including Practical Nursing, Bridging to University Nursing and Pharmacy Technician.

**Benefits**

**Career Outlook**

Careers in health care are both highly satisfying and well-paid. There is continued and strong demand for various health care professionals. However, many health care careers have significant English language fluency requirements. Students who successfully complete the Health Foundations program are uniquely qualified to continue with Centennial’s health programs including Practical Nursing, Pharmacy Technician, Practical Nursing Certificate to Diploma and Bridging to University Nursing programs.

**Distinctive Benefits for Centennial Students**

- the program’s learning activities emphasize the development of reading, writing, listening and speaking skills in a health care setting
- students who successfully complete both semesters of Health Foundations will proceed to take ENGL-171 in their health program

**Admission Requirements**

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

**Academic Requirements**

- compulsory English 12C or U, or skills assessment or equivalent
- math 11U or M, or 12C or U, or equivalent
- biology 11C, M or U, or 12C, M or U, or equivalent
- one from the following sciences: 11C, M or U, or 12C, M or U chemistry, physics or equivalent

*Pre-Health – Health Foundations is only offered as an alternate program to applicants who do not meet the minimum English and/or math requirements for other post-secondary health programs.

Please apply to one (or more) of Centennial College’s post-secondary health programs.

Your application will be reviewed by the Enrolment Services Office and applicants who do not meet the minimum English and/or math requirements for the post-secondary health programs may be given an alternate offer of admission to Pre-Health – Health Foundations.

**Non-Academic Requirements**

- the science requirements must have been achieved within seven years of the program start date
- English proficiency will be considered in the admission process

Note: Applicants must meet all admission requirements for the specific program they wish to pursue following the completion of the Health Foundations program.

**Program Outline**

**Semester 1**

- HCFD-104 Terminology for Health Care Professionals 1**
- COMM-131 Developing College Communication Skills (ESL)
- ENGL-162 Writing within a Health Care Context 1 **
- ENGL-164 Communication within Professional Relationships 1 **
- GNED-066 Speaking and Listening for North American Health Professionals 1**

**Semester 2**

- HCFD-124 Terminology for Health Care Professionals 2**
- SPAT-100 Introduction to Human Body Systems
- ENGL-165 Communication within Professional Relationships 2**
- ENGL-163 Writing within a Health Care Context 2 **
- ENGL-166 Introduction to Health Care Literature**
- GNED-067 Speaking and Listening for Health Professionals**

**At A Glance**

- Needs of adult and ESL students are acknowledged and supported
- The program employs experienced, caring and supportive faculty members
- The program consists of collaborative teaching approaches by faculty members who have expertise in both health concepts and ESL

**Program Code:** 9310*
**Program Length:** 1 year/2 semesters
**Credential:** Ontario College Certificate
**Start:** Fall, Winter
**Campus:** Ashtonbee
**healthstudies@centennialcollege.ca**
**416-289-5303**
Professional Pilot Training

Program Code: 8111
Program Length: Ground school hours – 330
Flight hours – 200
Start: September
Location: Durham Flight Centre (Oshawa)
sot@centennialcollege.ca

Program Overview

12-month, 3-phase, 530 hour Professional Pilot Training program.

BENEFITS
As a student in our Professional Pilot Training program you’ll develop the skills employers demand to pursue a career in various sectors of the aviation industry to include Commercial airline pilot, private aircraft pilot, flight instructor, etc.

PHASE 1 – PRIVATE PILOT
The private pilot phase runs from early September to early December*. Students must maintain a grade average of 70 per cent and are required to successfully complete all ground school and flight training requirements within this time frame in order to progress through to the next program phase.

PHASE 2 – COMMERCIAL PILOT
The commercial pilot phase runs from early December to early May*. Students must maintain a grade average of 75 per cent and are required to successfully complete all ground school and flight training requirements within this time frame in order to progress through to the next program phase.

PHASE 3 – MULTI ENGINE IFR RATING
The multi-engine IFR phase runs from early May to August*. Students must maintain a grade average of 75 per cent and are required to successfully complete all ground school and flight training requirements within this time frame.

*Dates may be slightly flexible dependant upon weather conditions. Students who are not successful in a program phase will not be eligible to continue in the current program year.

ADMISSION REQUIREMENTS
Students applying for admission to the Professional Pilot Program are expected to present at minimum:

- an Ontario Secondary School Diploma (OSSD) or equivalent – or be 19 years of age or older
- compulsory English 12C or U, or skills assessment or equivalent
- completion of a CAT I medical conducted by a Transport Canada approved medical examiner

Seats for this program are limited. Candidates may be required to undergo a selection interview process.

The program is self-funding therefore students are not eligible for OSAP. Students must be available from 7:30 am–5:30 pm, Monday–Friday

REGISTRATION REQUIREMENTS
Apply directly through Centennial College Enrolment Services Office, not ontariocolleges.ca. To download an application form visit: centennialcollege.ca/future/sot_mapsform.jspv

At A Glance

Centennial College’s Professional Pilot Training Program, in partnership with the Durham Flight Centre, allows students to start learning the moment they leave the ground. Our accelerated program provides 200 hours of flight experience plus 330 hours of ground school.

The program runs approximately one-year in length (length may vary due to weather conditions), from September to August, and is operated from the Oshawa Municipal Airport, just outside the Greater Toronto Area (GTA) airspace.

The program consists of three phases:
1. Private pilot licence
2. Commercial pilot licence
3. Multi-engine IFR rating

As a student in our program you will have the opportunity to pilot Cessna 150, 172 and Piper Aztec aircraft. The flight program’s professional instructors are seasoned pilots with years of experience and a deep commitment to the program, its students and their success.
Recreation and Leisure Services

Program Code: 1202
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall
Campus: Progress
communitystudies@centennialcollege.ca
416-289-5303

Program Overview

The mission of the Recreation and Leisure program is to improve quality of life for all by developing healthy communities. Leisure service professionals are front-line practitioners in direct contact with program participants. They have many roles including leaders, teachers, group facilitators, advocates, referral workers, counsellors, outreach workers or coaches. In addition, they have strong leadership skills and are able to establish programs, prepare budgets, market activities, recruit, train, assign and evaluate teams of volunteers.

Centennial is the only college in Ontario that features an extensive supervised field placement program, which allows development of critical practical skills through integration of classroom learning into real life situations. The program’s curriculum also reflects current recreational focus on wellness, culture and heritage.

BENEFITS

CAREER OUTLOOK

Employment opportunities for graduates of the Recreation and Leisure Services program exist with: long term care settings, hospitals, municipal community recreation centres, school-aged child care centers, rehabilitation centres and youth-focused organizations.

Program Learning Outcomes

Graduates have demonstrated the ability to:
• create, plan, implement, and evaluate recreation and leisure programs and special events which respond to identified needs and maximize the delivery of the benefits of recreation
• apply the principles of marketing to the promotion of the benefits of recreation and leisure programs, special events, services, and facilities
• generate revenue for recreation and leisure programs, special events, services, and facilities by applying sound business principles
• contribute to strategies for effectively managing the performance and development of staff and volunteers in recreation and leisure settings
• contribute to the safe and effective management of recreation venues
• design and implement appropriate research and planning strategies
• educate others regarding the value and benefits of recreation, leisure, and lifestyle enhancement
• apply community development strategies for advocating and facilitating the personal, social, economic, and environmental benefits of recreation
• develop plans for ongoing personal and professional growth and development.

EDUCATIONAL PARTNERS

Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes and professional associations. These partnerships allow graduates to apply academic credit towards further study.

Our partners are:
• Brock University, Recreation and Leisure Studies degree (you can complete degree studies in just two additional years)
• University of Waterloo, Department of Recreation and Leisure Studies (you can receive up to five transfer credits towards a four-year bachelor’s degree)
• Athabasca University (you can receive 60 credits toward a 120 credit Bachelor of Professional Arts Degree – Human Service Major)

GLOBAL CITIZENSHIP AND EQUITY PORTFOLIO

Students in this program will develop a portfolio documenting their engagement with the College’s signature global citizenship and equity competencies. For more information on Global Citizenship and Equity, the GC&E Portfolio, and the supports available to you, please see page i.

ADMISSION REQUIREMENTS

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS

• compulsory English 12C or U, or skills assessment or equivalent

NON-ACADEMIC REQUIREMENTS

• English proficiency will be considered in the admission process
• program admission session may be required
• although it is not a requirement, volunteer work is recommended prior to application

FIELD PLACEMENT REQUIREMENTS

• yearly police record checks are required. You may download an application at www.oesc-cseo.org. Some field placement agencies may require a criminal reference check prior to student placement. Certain criminal convictions may not allow placement in these agencies and program completion may not be possible. Any questions regarding criminal reference checks may be directed to the program contact by calling 416-289-5303.
• proof of immunization, including Hepatitis B
• a minimum C grade in each English course is a prerequisite for any field placement.

PROGRAM OUTLINE

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<tr>
<td>RECL-117 Field Placement 3 (3 days)*</td>
<td>RECL-117 Field Placement 2 (2 days)*</td>
<td>RECL-221 Community Development*</td>
<td>*minimum C grade required</td>
</tr>
</tbody>
</table>

At A Glance

• course themes include: programming, communication and group skills, community development, life span development, diversity and recreation management
• most courses have four major pieces of work (i.e. two assignments, one mid-term, one final test)
• supervised field placements take place in semester two (two days a week) and semesters three and four (three days a week)
• supplemental training in CPR, first aid and High Five (Principles of Healthy Child Development) is also required
Program Overview

Social service workers are professionals concerned with helping individuals, families, groups and communities to enhance their individual and collective well-being. They help people develop their skills and the abilities to use their own resources and those of the community to resolve problems. The social service worker demonstrates the core values of the profession, some of which include a non-judgmental attitude and respect for all peoples regardless of race, ethnicity, gender, religion and sexual orientation.

GLOBAL CITIZENSHIP AND EQUITY PORTFOLIO

Students in this program will develop a portfolio documenting their engagement with the College’s signature global citizenship and equity competencies. For more information on Global Citizenship and Equity, the GC&E Portfolio, and the supports available to you, please see page i.

BENEFITS

CAREER OUTLOOK

Graduates of this program are prepared for entry level social service work positions with organizations such as shelters, mental health programs, community centres, group homes, housing programs and advocacy coalitions. These various settings provide support services to a wide range of populations including youth, seniors, people with mental illness, people with developmental disabilities, assaulted women and children, the homeless and under housed.

Organizations hiring program graduates include:
- Central Neighbourhood House
- Operation Springboard
- Senior Link
- Tropicana Community Services
- Toronto Social Services
- Woodgreen Community Centre
- Touchstone Youth Services
- Various shelters for battered women

PROGRAM LEARNING OUTCOMES

Graduates have demonstrated the ability to:
- develop and maintain professional relationships which adhere to professional, legal, and ethical standards aligned to social service work
- identify strengths, resources, and challenges of individuals, families, groups, and communities to assist them in achieving their goals
- recognize diverse needs and experiences of individuals, groups, families, and communities to promote accessible and responsive programs and services
- identify current social policy, relevant legislation, and political, social, and/or economic systems and their impacts on service delivery
- advocate for appropriate access to resources to assist individuals, families, groups, and communities
- develop and maintain positive working relationships with colleagues, supervisors, and community partners
- develop strategies and plans that lead to the promotion of self-care, improved job performance, and enhanced work relationships
- integrate social group work and group facilitation skills across a wide range of environments, supporting growth and development of individuals, families, and communities
- work in communities to advocate for change strategies that promote social and economic justice and challenge patterns of oppression and discrimination.

EDUCATIONAL PARTNERS

Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes and professional associations. These partnerships allow graduates to apply academic credit towards further study. Our partners are:
- Athabasca University
- Griffith University
- Ryerson University
- Royal Roads University
- York University

PROGRAM OUTLINE

<table>
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<tr>
<th>Semester 1</th>
<th>Semester 2</th>
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<td>SS-115</td>
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<td>COMM-160/161</td>
<td>GNED-144</td>
<td>COMM-170/171</td>
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<tr>
<td>Power, Privilege and Oppression*</td>
<td>Social Service Work and Pathways to Practice*</td>
<td>Social Policy 1*</td>
<td>Social Policy 2*</td>
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<tr>
<td>Social Work and Pathways to Practice*</td>
<td>Applied Social Research and Data Management*</td>
<td>Social Work with Groups*</td>
<td>Power &amp; Social Movements*</td>
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<td>Developmental Psychology (Mandated)*</td>
<td>College Communications 1*</td>
<td>Fundamentals of Interviewing and Counselling*</td>
<td>Advanced Interviewing and Counselling*</td>
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<tr>
<td>College Communications 2*</td>
<td>Global Citizenship: From Social Analysis to Social Action*</td>
<td>Field Placement 1(2 days)*</td>
<td>Field Seminar*</td>
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<tr>
<td>General Education Elective*</td>
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<td>Field Placement 2 (4 days)*</td>
</tr>
</tbody>
</table>

*minimum C grade required
Software Engineering Technician

Program Code: 3408
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
is@centennialcollege.ca

Program Overview
This 60-week diploma will prepare you to work as a software developer. You will acquire solid knowledge of software engineering methodologies, programming languages, design and algorithm concepts, data management tools, and networking fundamentals. This program is ideal for those learners who are seeking a shorter-term program for timely re-entry into the workplace. The course work will emphasize object-oriented software design methodologies, user-oriented interface design, C#, Java, Oracle, MS-SQL Server, Unix/Linux, Microsoft’s .NET, HTML/XML, Rational/WebSphere, Software Testing and QA, and more. To underscore the applied focus of the curriculum, the program will include one software development project. This real-world business application will require you to utilize all the technical and business skills acquired during their studies for building higher quality software.

The final semester offers the choice of either an academic term or work placement. The academic term offers the choice of a specialization in software testing and quality assurance area. The 15-week work placement option provides on-the-job experience, and integration of academic studies and work experience will enhance your portfolio when competing for jobs after graduation.

BENEFITS

CAREER OUTLOOK
Program graduates are prepared for entry-level positions as:
- software developers
- computer programmers
- software testers
- business analysts
- web applications developers
- database administrators
- applications or software support

Companies that have hired technology program graduates include:
- Scotia Bank
- Toronto Transit Commission (TTC)
- Toronto Stock Exchange
- Government

PROGRAM HIGHLIGHTS
- courses are delivered using leading-edge technology geared to industry standards
- knowledgeable and approachable faculty has diverse business experience and academic credentials
- opportunity exists for a 15-week work placement option
- choice of a specialization in software testing
- smaller classes allow for more individualized learning
- the diploma that is earned is recognized in Canada and abroad, reflecting high standards of learning

WORK PLACEMENT ADVANTAGE
- opportunity exists to obtain real-life, IT-related experience
- there is a chance to be out in the industry four days a week for a period of 12 to 15 weeks
- acceptance exists into organizations such as the TTC, banks and government organizations
- there is a possibility of being hired for a full-time position after placement

ADMISSION REQUIREMENTS
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

ACADEMIC REQUIREMENTS
- compulsory English 12C or U, or skills assessment or equivalent
- math 11M or U, or 12C or U or skills assessment or equivalent

SEMESTER REQUIREMENTS
- semester 4 provides the option of a field placement for qualified students. In addition they are required to take two courses, COMP-212 and COMP-231
- to quality for COMP-232, student will need to have competed 15 out of 18 courses in semesters 1, 2 and 3, a minimum C grade in COMM-170/171, and a minimum GPA of 2.5

GRADUATION REQUIREMENT
- minimum C grade average required for graduation

PROGRAM OUTLINE

Semester 1
COMP-100 Programming I
COMP-120 Software Engineering Fundamentals
COMP-122 Introduction to Database Concepts
MATH-175 Functions and Number Systems
COMM-170/171 College Communications 2
GNED-119/110/111/112
GESL-119/120/121

Semester 2
COMP-123 Programming II
COMP-213 Web Interface Design
COMP-225 Software Engineering Methodologies I
COMP-231 UNIX/Linux Operating Systems
MATH-185 Discrete Mathematics
GNED General Education Elective

Semester 3
COMP-214 Advanced Database Concepts
COMP-228 Java Programming
COMP-229 Advanced WEB Application Development
COMP-246 Object Oriented Software Engineering
ENGL-253 Advanced Business Communications
GNED-500 Global Citizenship: From Social Analysis to Social Action
EMPS-101 Employment Skills 1

Semester 4
Work Placement Option (3498)
COMP-212 Programming III
COMP-231 Software Development Project I
COMP-232 Work Placement

OR

Academic Option
COMP-212 Programming III
COMP-231 Software Development Project I
COMP-311 Software Testing and Quality Assurance
GNED General Education Elective
ELECT Professional Electives
ELECT Professional Electives

Professional Electives: Software Testing
COMP-316 Software Testing Automated Tools
COMP-317 Software Quality Assurance and Test Management

Professional Electives: General
CNET-329 Business and ICT
CNET-124 Networking Technologies

Notes: Students will be placed in the appropriate English level based on skills assessment results.

The dynamic curriculum presented here will be revised as appropriate to retain its currency. Internal curriculum development/review is ongoing.

At A Glance
Companies that have hired technology program graduates include:
- American Express
- Bell Canada
- Hudson’s Bay Company
- IBM Canada
- Manulife
- Royal Bank
Software Engineering Technology

Program Code: 3409
3419 (co-op)
Program Length: 3 years/6 semesters (3409)
3 years/9 semesters (3419)
Credential: Ontario College Advanced Diploma
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
is@centennialcollege.ca

Program Overview

This Advanced Diploma in Software Engineering Technology (SET) will teach you to design, develop and maintain software systems. You will learn modern programming languages, design and algorithm concepts, and data management tools. The acquired knowledge and hands-on experience will enable you to design and develop various kinds of software applications, human-computer interfaces, and enterprise information systems. The course work will emphasize object-oriented software design methodologies, user-oriented interface design, QA, C#, Java, J2EE, Oracle, MS-SQL Server, Unix/Linux, Microsoft’s .NET, HTML/XML, Rational/WebSphere, Rich Internet Applications, Mobile Computing, Software Security and more.

To underscore the applied focus of the curriculum, the program will include two software development projects. These real-world business applications will require you to utilize all the technical, systems and business skills acquired during your studies for building higher quality software. Another way to gain hands-on experience is through the program’s optional co-op component. Academically qualified students enhance their education by working three terms as paid employees in the field. The experience not only allows you to put classroom learning into practice, but also provides valuable contacts for future careers.

Benefits

Career Outlook

Graduates from this program are prepared for entry-level positions as:

- software developers
- software testers
- computer programmers
- systems analysts
- business analysts
- web application developers
- database administrators
- applications or software support

Organizations that have hired graduates include:

- CIBC
- Manulife
- Royal Bank
- Scotia Bank
- Toronto Transit Commission (TTC)
- Toronto Stock Exchange

Program Highlights

- option exists for a one-year paid co-op experience
- courses are delivered using leading-edge technology geared to industry standards
- technical electives and project-based learning are a key component
- knowledgeable and approachable faculty members have diverse business experience and academic credentials

Accreditation

The Computer Programmer/Analyst program is a fully CIPS accredited program. The new SET program is a superset of the former CPA program and will go through the CIPS accreditation process with the first SET graduates in 2010.

Admission Requirements

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements

- compulsory English 12C or U, or skills assessment or equivalent
- math 11M or U, or 12C or U or skills assessment or equivalent

Co-op Requirements

- minimum of 80 per cent of Year 1 courses, a minimum C grade in COMM-170/171, and a 2.5 GPA or greater for COOP-221

Graduation Requirements

- minimum C grade average required for graduation

At a Glance

Organizations that have hired graduates include:

- American Express
- Bell Canada
- Government
- Hudson’s Bay Company
- IBM Canada

Program Outline

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>1</td>
<td>COMP-100</td>
<td>Programming I</td>
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<tr>
<td></td>
<td>COMP-120</td>
<td>Software Engineering Fundamentals</td>
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<td>COMP-122</td>
<td>Introduction to Database Concepts</td>
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<td></td>
<td>MATH-175</td>
<td>Functions and Number Systems</td>
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<td></td>
<td>COMM-170/171</td>
<td>College Communications 2</td>
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<tr>
<td></td>
<td>GNET-119/119</td>
<td>Introduction to Canadian Business</td>
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<td>GESL-119/119</td>
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<td>2</td>
<td>COMP-123</td>
<td>Programming II</td>
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<td>COMP-213</td>
<td>Web Interface Design</td>
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<td>COMP-225</td>
<td>Software Engineering Methodologies I</td>
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<td>COMP-301</td>
<td>UNIX/Linux Operating Systems</td>
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<td>MATH-185</td>
<td>Discrete Mathematics</td>
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<td>3</td>
<td>COMP-214</td>
<td>Advanced Database Concepts</td>
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<td>COMP-228</td>
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<td>COMP-229</td>
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<td>ENGL-253</td>
<td>Advanced Business Communications</td>
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<td>GNET-500</td>
<td>Global Citizenship: From Social Action to Social Analysis</td>
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<td>COOP-221</td>
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<td>COMP-212</td>
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<td>COMP-311</td>
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<td>CNET-124</td>
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<td>5</td>
<td>COMP-231</td>
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<td>COMP-303</td>
<td>J2EE Programming</td>
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<td>COMP-306</td>
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<td>COMP-321</td>
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<td>CNET-307</td>
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<td>6</td>
<td>COMP-307</td>
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<td>COMP-309</td>
<td>Data Warehousing and Data Mining in HCIS</td>
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<td></td>
<td>COMP-313</td>
<td>Software Development Project II</td>
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<td></td>
<td>EMPS-102</td>
<td>Employment Skills II (3409)</td>
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<tr>
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<td>ELECT</td>
<td>Choice of Two Technical Electives</td>
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</tbody>
</table>

Notes: Students will be placed in the appropriate English level based on skills assessment results. The dynamic curriculum presented here will be revised as appropriate to retain its currency. Internal curriculum development/review is ongoing.

*See TECHNICAL ELECTIVES list as provided by the department

Program Code: 3409
3419 (co-op)
Program Length: 3 years/6 semesters (3409)
3 years/9 semesters (3419)
Credential: Ontario College Advanced Diploma
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
is@centennialcollege.ca
Program Code: 3109
3119 (co-op)
Program Length: 3 years/6 semesters (3109)
3 years/9 semesters (3119)
Credential: Ontario College
Advanced Diploma
Start: Fall, Winter
Campus: Centennial Science and Technology Centre
is@centennialcollege.ca

Program Overview
This advanced diploma in Interactive Game Software Development will prepare you to work as a software developer in the game software industry. Graduates will be able to participate in various phases of the game programming life cycle, such as game design, three-dimensional graphics programming, game engine design, multiplayer online game programming and more. The course work in the program will emphasize object-oriented software design methodologies, user-oriented interface design, DirectX, XNA, Adobe Flash, Software Testing and QA, .NET, C#, Java, J2EE, Oracle, MS-SQL Server, Unix/Linux, HTML/XML, Rational/ WebSphere, and more.

To underscore the applied focus of the curriculum, the program will include two software development projects. Our student will be collaborating with Game Design and Development students from Centennial College’s School of Communications, Media and Design to implement a playable game level. Another way to obtain hands-on experience is the optional co-op component. Academically-qualified students can work three terms as paid employees in the field.

ACCELERATED SPECIALIZATION
The program offers a second entry point, in the fifth semester, for graduates of Computer Programmer/Analyst diploma programs or for those who have finished a similar education from other institutions.

The Computer Programmer/Analyst program is a fully CIPS accredited program. The new SET-I program is a superset of the former CPA program and will go through the CIPS accreditation process with the first SET-I graduates in 2010.

At A Glance
You may be eligible to complete this program in one year. Please contact the program coordinator or e-mail is@centennialcollege.ca for more information.

Software Engineering Technology – Interactive Gaming

Graduates in 2010.
CPA program and will go through the CIPS program.
Another way to obtain hands-on experience is the optional co-op component. Another way to obtain hands-on experience is the optional co-op component. Academically-qualified students can work three terms as paid employees in the field.

ACCELERATED SPECIALIZATION
The program offers a second entry point, in the fifth semester, for graduates of Computer Programmer/Analyst diploma programs or for those who have finished a similar education from other institutions.

The Computer Programmer/Analyst program is a fully CIPS accredited program. The new SET-I program is a superset of the former CPA program and will go through the CIPS accreditation process with the first SET-I graduates in 2010.

At A Glance
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Software Engineering Technology – Interactive Gaming

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Software Engineering Technology – Interactive Gaming

Graduates in 2010.
CPA program and will go through the CIPS program.
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At A Glance
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Software Engineering Technology – Interactive Gaming

Graduates in 2010.
CPA program and will go through the CIPS program.
Another way to obtain hands-on experience is the optional co-op component. Another way to obtain hands-on experience is the optional co-op component. Academically-qualified students can work three terms as paid employees in the field.

ACCELERATED SPECIALIZATION
The program offers a second entry point, in the fifth semester, for graduates of Computer Programmer/Analyst diploma programs or for those who have finished a similar education from other institutions.

The Computer Programmer/Analyst program is a fully CIPS accredited program. The new SET-I program is a superset of the former CPA program and will go through the CIPS accreditation process with the first SET-I graduates in 2010.

At A Glance
You may be eligible to complete this program in one year. Please contact the program coordinator or e-mail is@centennialcollege.ca for more information.
Technology Foundations

Program Code: 3000* (Progress)
3001* (Centennial Science and Technology Centre)

Program Length: 1 year/2 semesters
Credential: Ontario College Certificate
Start: Fall, Winter, Summer
Campus: Centennial Science and Technology Centre or Progress
technologyfoundations@centennialcollege.ca

Program Overview

The Technology Foundations certificate program will provide a pathway for applicants who are interested in pursuing a career in the technical programs. Students will develop a thorough understanding of the personal, academic and professional requirements (communication, mathematical, technical, computer and science skills) that will prepare them to enter into specific diploma and advanced diploma programs in the School of Engineering Technology & Applied Science (SETAS).

Completion of this Technology Foundations Certificate can help you meet the academic requirements for engineering technology and applied science programs at our college. It may provide you with exemptions for certain courses in other School of Engineering Technology and Applied Science programs, depending upon the grade level achieved.

WHO SHOULD ATTEND

The Technology Foundations certificate program is geared towards applicants who, for whatever reason, do not meet the regular entrance requirements for our programs. This unique program is a great opportunity for these individuals to gain the necessary skills to succeed in a post-secondary program.

BENEFITS

PROGRAM OUTCOMES

This is an engineering success program that provides students, with appropriate grades, an opportunity to obtain a minimum of three transfer credits which can be used for further study with the School of Engineering Technology and Applied Science.

ADMISSION REQUIREMENTS:

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age older. Possession of minimum admission requirements does not guarantee admission to the program.

*Technology Foundations is only offered as an alternate program to applicants who do not meet the minimum English requirements for a post-secondary engineering technology and applied science program.

Please apply to one (or more) of Centennial College’s post-secondary Engineering Technology and Applied Science program(s).

The Enrolment Services Office will review your application to the post secondary engineering technology and applied science program(s).

Where applicable, applicants who do not meet the minimum English requirements for the post-secondary engineering technology and applied science program(s) may be given an alternate offer of admission to the Pre-Engineering Technology Foundations certificate program.

TESTIMONIALS

"...my instructors were always supportive and willing to help..."

James Zheng, Environmental Protection Technology, Graduate ’06

At A Glance

• short program provides graduates with the skills necessary to succeed in a post-secondary program
• modern labs allow for practical hands-on learning

PROGRAM OUTLINE

Semester 1
TFE-001 Engineering Principles & Technical Applications
MATH-104 Elementary Mathematics I
COMM-132/133 Foundations 1: Developing College Communications Skills
GNED-195 Occupational Health and Safety part 1

Semester 2
PHYS-001 Inquiry Into Physics
MATH-122 Elementary Mathematics II
MATH-154 Computer Applications for Technology I
COMM-162/163 Foundations 2: Building College Communications Skills
GNED-196 Occupational Health and Safety part 2

Notes:
1. MATH-104 and MATH-122 are equivalent to MATH-140 for transfer credit
2. GNED-195 and GNED-196 are equivalent to GNED-126 for transfer credit.
3. All applicants will be placed in appropriate level math and English based on assessment.
4. TFE-001 may be considered equivalent for transfer credit as determined by department.
5. MATH-154 may be considered equivalent for transfer credit as determined by department.
Tourism Management – Cultural and Heritage Tourism

Program Code: 1809
Program Length: 2 years/4 semesters
Credential: Ontario College Diploma
Start: Fall
Campus: Progress
hospitality@centennialcollege.ca

Program Overview

Special interest travellers, who rank culture and/or heritage as among the top five reasons for travelling, represent a significant trend sweeping through the tourism market. According to the United Nations Educational Scientific and Cultural Organization (UNESCO), global cultural and heritage tourism is increasing by an unprecedented 15 per cent per year as a growing segment of travel consumer moves toward a more engaging genre of travel experience featuring indigenous cultures and heritage at destinations. The culture and heritage motivated traveller wants to experience a distinct and authentic sense of place while connecting with the endemic tapestry of human endeavour.

Cultural and Heritage Tourism Management provides students with an interdisciplinary learning approach by integrating the challenges facing culture and heritage sector managers with the operative requisites commanded by the tourism industry. This convergent methodology mirrors the convergence of culture, heritage and tourism. A measured application of fundamentals and training culminating in valid industry experience opportunities equip learners in this program to contribute as the tourism sector retools for this emergent transformation. Whether your aspirations entail Ontario’s tourism sector or you envisage a career with world-view potential, as a graduate of this program you will be prepared to compete in this burgeoning segment of tourism.

Benefits

Career Outlook

Some of the program’s employer partners are:
- Festival and Events Ontario
- Ministry of Culture, Heritage & Libraries Branch
- Ministry of Citizenship and Immigration
- Parks Canada
- Ministry of Tourism (Ontario)
- Municipal Governments
- museums
- major hotel chains
- Ontario Arts Council

Program Highlights

Graduates are prepared to:
- ensure a high degree of customer satisfaction, while promoting tourism products, services and experiences in a professional manner, both individually and as part of a team
- promote and market tourism products, services and experiences consistent with a marketing plan
- promote sustainable tourism through the application of knowledge of the various tourism industries and their interaction
- contribute to the effective daily operations of a tourism organization through individual and team efforts
- access, document and appropriately distribute accurate and detailed product knowledge and destination information
- develop strategies to establish working relationships with clients and suppliers in order to maintain and strengthen their loyalty to the organization
- apply accounting and financial knowledge and skills, including cost control techniques, to the operation of a tourism organization
- develop ongoing personal professional development strategies and plans to enhance tourism sector knowledge and leadership skills
- apply the principles of risk management to the operation of a tourism organization
- address the cultural and heritage sector’s role in the Canadian tourism industry and the impact of factors such as economic variables, government policies and social dynamics on the cultural and heritage infrastructure
- identify, select and implement effective strategies to minimize negative impacts of successful tourism promotion on communities.

Educational Partners

Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes, and professional associations. These partnerships allow students to apply academic credit towards further study.

Our partners are:
- Athabasca University
- International Hotel Management Institute (Switzerland)
- Malaspina University-College (B.C.)
- Ryerson University
- University of Calgary
- University of New Brunswick
- Royal Roads University (B.C.)

Completion of third-year, post-graduate certificate in Hospitality Administration is required for the following two articulations:
- University of South Carolina
- Southern New Hampshire University (U.S.A.)

Admission Requirements

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to the program.

Academic Requirements
- compulsory English 12C or U, skills assessment or equivalent

Program Outline

Semester 1
- CHTM-101 Introduction to Cultural & Heritage Tourism
- CHTM-103 Ontario Cultural & Heritage Tourism Product
- HTAP-102 Introduction to Hospitality Accounting
- HTAP-103 Dimensions of Tourism
- COMM-160/161 College Communications 1/(ESL)
- GNED-159 Geography & Tourism (Program Mandated)
- ELECT General Education Elective

Semester 2
- CHTM-102 Sustainable Tourism
- CHTM-201 Cultural & Heritage Tourism Principles & Practices
- CHTM-202 Managing Cultural and Heritage Facilities
- HOTL-152 Human Resources and Career Planning
- HTAP-154 Hospitality & Tourism Marketing
- COMM-170/171 College Communications 2/(ESL)
- GNED-500 Global Citizenship: From Social Analysis to Social Action

Semester 3
- CHTM-203 Cross-Cultural Behaviour in Tourism
- CHTM-204 Festival & Event Management Practicum
- CHTM-205 Sales for Tourism Professionals
- CHTM-206 Tour Planning Management and Incentives
- FBMP-203 Cuisines of Diverse Cultures
- HTAP-201 Principles of Hospitality & Tourism Management

Semester 4
- CHTM-251 Industry Internship Review
- CHTM-299 Cultural & Heritage Tourism Industry Internship
- ELECT General Education Elective

Note: minimum C grade is required for graduation.

At A Glance

Some of the program’s employer partners are:
- Jonview Canada Inc
- Thomas Cook Canada Ltd.
- Toronto Board of Trade
- Tourism Toronto
- Heritage Toronto
- Air Miles
Tourism and Travel (Travel Counsellor)

Program Code: 1824
Program Length: 1 year/3 semesters
Credential: Ontario College diploma
Start: Fall, Winter, Summer
Campus: Progress
hospitality@centennialcollege.ca

“Centennial College Travel and Tourism courses are forward looking. These courses address all the issues past, current and future that one may experience when entering into this profession. Upon graduation students will be educated and prepared to handle any entry level into the travel industry.”
Sal Buccellato, Key Accounts Manager, Signature Vacations

“When I started post-secondary education at university I was mostly without direction. I wanted to get out and see the world, to have a career, and a life that made a difference. I chose Centennial College. The Tourism & Travel program gave me the opportunity to combine the things I loved most: culture, art, architecture, history and of course, the desire to see the world.”
Kelly Linton, Tourism & Travel graduate 2006

BENEFITS

CAREER OUTLOOK
Companies that have hired program graduates include:
- Marlin Travel
- Sears Travel
- Skylink Holidays
- Carlson Wagonlit
- Encore Cruises
- Goway

PROGRAM HIGHLIGHTS
- opportunity exists for an optional international field trip, providing practical exposure to all aspects of travel
- optional CPR training in the third semester
- volunteer opportunities at major events in and around Toronto; e.g. Walk of Fame, Rendezvous Canada, and various trade shows
- students receive Apollo and Sabre computerized airline reservation system training
- cruise line training includes Cruise Line International Association (CLIA) 2½ day “training fest” facilitated by CLIA
- program is endorsed by the Canadian Institute of Travel Counsellors (CITC)
- CITC Knowledge Exam and Travel Industry Council of Ontario (TICO) Minimum Standards Exam are included as part of the program
- CITC student membership and annual Students in Travel Conference are included in your course fees

EDUCATIONAL PARTNERS
Qualified graduates may be eligible to participate in an articulated program with selected universities, institutes, and professional associations. These partnerships allow graduates to apply academic credit towards further study.
Our partner is University of New Brunswick.

ADMISSION REQUIREMENTS
Centennial College expects students applying for admission to certificate or diploma programs to present at minimum: Ontario Secondary School Diploma (OSSD) or equivalent or be 19 years of age or older. Possession of minimum admission requirements does not guarantee admission to program.

ACADEMIC REQUIREMENTS
- compulsory English 12C or U, or skills assessment or equivalent

GRADUATION REQUIREMENTS
- minimum C grade is required for graduation.

PROGRAM OUTLINE

Semester 1
HTAP-102 Introduction to Accounting
TRAV-100 Dimensions
TRAV-111 Destinations 1 – Western Hemisphere
TRAV-112 Wholesale Tour Operations
TRAV-114 Accommodation & Ground Transportation
TRAV-125 Selling Cruises
TRAV-224 Industry Automation – Apollo
COMM-160/161 College Communications 1/(ESL)
GNED-159 Geography and Tourism (Program Mandated)

Semester 2
TRAV-122 Destinations 2 – Europe & Africa
TRAV-126 Career Planning and Placement Strategies
TRAV-127 Intro to Computing
TRAV-202 Sales and Marketing for the Travel Industry
TRAV-212 Domestic & International Tariff & Ticketing
TRAV-215 Airline Automation – Sabre
COMM-170/171 College Communications 2/(ESL)
GNED-500 Global Citizenship: From Social Analysis to Social Action
GNED General Education Elective

Semester 3
TRAV-201 Call Centre/Customer Service
TRAV-203 Business Management for Tourism
TRAV-204 Groups and Incentives
TRAV-216 Travel Agency Operations
TRAV-223 Destinations 3 – Asia and the Pacific
TRAV-225 Tourism and Travel Industry Internship

Note: minimum C grade is required for graduation.

TESTIMONIALS

“The Tourism and Travel program has been a great learning environment for me. The small class sizes and hands-on opportunities have helped to further my passion for travel. In-class learning has been an eye opening experience thanks to the enthusiastic teachers and their intimate knowledge of the industry. The amount of extracurricular and opportunities within the industry offered to the students are endless.”
Amanda Kwong, 2009 Graduate
Program Code: 8204 (Co-op)
Program Length: 2 years/6 semesters
Credential: Ontario College Diploma
Start: Fall
Campus: Ashtonbee
sot@centennialcollege.ca

The Truck and Coach Technician (co-op) apprenticeship program will prepare you for an exciting future as a skilled professional in the transportation field, one of Canada’s largest industries. The in-school training, combined with practical on-the-job experience that is gained in the co-op work placement, will provide an excellent start to an apprenticeship.

Successful students will earn an Ontario College Diploma, will have eight months of practical, on-the-job co-op training at a truck and coach facility and complete their entire Ontario apprenticeship in-school curriculum within two years. In addition, you will take supplementary courses, which are only available at Centennial, in advanced electrical/electronics and tracking and communication systems.

To complete this program, you will spend the first eight months in school, eight months in co-op as a registered apprentice and the final eight months in school. As part of the in-school curriculum, you will train on truck and coach assemblies in fully-equipped truck labs. You will focus on applied mechanics, vehicle dynamics as well as component design and repair as it applies to the apprenticeship curriculum. In addition, you will take courses in business, English and general education.

**Program Overview**

- **Program Code:** 8204 (Co-op)
- **Program Length:** 2 years/6 semesters
- **Credential:** Ontario College Diploma
- **Start:** Fall
- **Campus:** Ashtonbee
- **Contact:** sot@centennialcollege.ca

**Program Highlights**
- In-school theory and lab experience is combined
- Facilities in one of Ontario’s largest transportation training centres, Ashtonbee campus, are used
- Both in-school apprenticeship curriculum and an Ontario College Diploma are completed
- Vocational and motive power business related courses are advanced
- On-the-job experience is completed through a paid co-op placement

**Admission Requirements**

Centennial College expects students applying for admission to certificate or diploma programs to present at minimum an Ontario Secondary School Diploma (OSSD) or General Educational Development (GED) or equivalent. Possession of minimum admission requirements does not guarantee admission to the program.

**Non-Academic Requirements**
- Satisfactory results in a program admission session
- Experience and mechanical aptitude
- Resume may be required
- English proficiency will be considered in the admission process

**Program Outline**

- **Semester 1**
  - **Level 1 (Commercial Vehicle)**
    - DACV-101 Trade Practices
    - DACV-102 Engine Systems
    - DACV-105 Drive Train Systems
    - DACV-106 Brake Systems
    - DACV-107 Electrical Systems
    - DACV-108 Fuel Systems
    - DACV-109 Fluid Power Systems
    - GNED-126 OH&S (on-line)

- **Semester 2**
  - **Level 2 (T & C)**
    - DATC-201 Trade Practices
    - DATC-202 Engine Systems
    - DATC-205 Drive Train Systems
    - DATC-206 Suspension/Steering and Brakes
    - DATC-207 Electrical Systems
    - DATC-208 Fuel Systems
    - COMM-160 Communications 1
    - COOP-521 Employment Pre-placement

- **Semester 5**
  - **Level 3 (T & C)**
    - BUSN-221 Organizational Behaviour
    - DATC-301 Trade Practices
    - DATC-302 Engine Systems
    - DATC-306 Suspension/Steering and Brakes
    - DATC-307 Electrical Systems
    - COMM-170 Communications 2
    - GNED-500 Global Citizenship: From Social Analysis to Social Action

- **Semester 6**
  - **Level 3 (T & C)**
    - DACO-611 Fixed Operations Management
    - DATC-305 Drive Train Systems
    - DATC-308 Fuel Systems
    - DATC-312 Truck and Coach Logistics
    - DATC-601 Advanced Air Conditioning
    - DATC-604 Truck and Coach Preventative Maintenance
    - DATC-607 Advanced Electronics Control Systems Diagnosis
    - GNED General Education Elective

**Note:** Students will be placed in the appropriate English level based on skills assessment results.

**At A Glance**

- Graduates are prepared to work as:
  - Truck and coach technicians
  - Service writers/advisors
  - Service managers
  - College teachers/industry teachers
  - Truck/coach company representatives

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