

Diagnostic Ultrasonography (Post Diploma)

Ultrasonography encompasses the medical use of sound waves to evaluate internal anatomy in real time and to produce diagnostic images. With the continuously expanding applications of ultrasound in today's technologically advanced society, it has made for an exciting and demanding career field. Ultrasound images are used by Radiologists to retrieve critical information regarding the patient and their subsequent diagnosis and treatment. Ultrasound has grown to include applications in abdomen, obstetrics, gynecology, small parts, vascular and superficial structures.

OBJECTIVES

1. To provide the academic knowledge outlined in the National Occupancy Profile of the Canadian Association of Registered Diagnostic Ultrasound Professionals.
2. Application of the academic knowledge to the clinical practice.
3. To prepare the students in the ability to perform and complete the clinical competencies required by the Canadian Association of Registered Diagnostic Ultrasound Professionals.
4. To maintain a high level of professional conduct in the performance of all duties.

CURRICULUM

This is a thirteen month program, which includes training at the College and Eastern Regional Integrated Health Authority. Graduates of the program at the Prince Philip Drive Campus will be eligible to write the certification examinations set by the American Registry of Diagnostic Medical Sonographers (ARDMS) and the examinations set by the Canadian Association of Registered Diagnostic Ultrasound Professionals (CARDUP).

ACCREDITATION

The program at the Prince Philip Drive Campus is accredited by the Canadian Medical Association.

PROGRAM TRANSFERABILITY

Graduates may elect to further their studies and obtain a Bachelor of Technology degree from Memorial University of Newfoundland or a Bachelor of Science (Post Diploma, Human Science) from Athabasca University.

ENTRANCE REQUIREMENTS

To be accepted into the Diagnostic Ultrasonography program, an individual must have successfully completed an accredited program in Medical Radiation Technology (Medical Radiography, Radiation Therapy or Nuclear Medicine) and possess a certificate of registration with the Canadian Association of Medical Radiation Technologists (CAMRT).

Interested applicants should submit to the Registrar's Office at the College an official application form along with a certified copy of: (1) high school marks (2) Medical Radiation Technology program marks (3) results of CAMRT examinations and (4) proof of current registration with the CAMRT. Students are accepted on a first come first served basis provided they meet the entrance requirements.

Students must submit an official Preadmission Physical Examination and Proof of Immunization form as well as a Certificate of Conduct from the Royal Newfoundland Constabulary (RNC), the Royal Canadian Mounted Police (RCMP) or local provincial/municipal force prior to registration.

POST DIPLOMA

- Thirteen Months
- September start
- Prince Philip Drive Campus

COURSES

| CODE | TITLE | Hrs/wk | | |
|------------|--------------------|--------|----|----|
| Semester 1 | | Cr | Le | La |
| UL4110 | Ultrasound Physics | 4 | 4 | 0 |
| UL4310 | Basic Scanning I | P/F | 0 | 14 |
| UL4420 | Abdomen | 4 | 4 | 0 |
| UL4420 | Abdomen | 4 | 4 | 0 |
| UL4430 | Abdomen Pathology | 2 | 2 | 0 |

Note: UL4310 has a Clinical Component of 2.5 hours per week for 9 weeks.

| Semester 2 | | Cr | Le | La |
|------------|------------------------|-----|----|----|
| UL4210 | Obstetrics | 6 | 6 | 0 |
| UL4230 | Gynecology | 2 | 2 | 0 |
| UL4311 | Basic Scanning II | P/F | 0 | 3 |
| UL4610 | Clinical Training | P/F | 0 | 21 |
| Semester 3 | | Cr | Le | La |
| UL4510 | Superficial Structures | 2 | 2 | 0 |
| UL4611 | Clinical Training | P/F | 0 | 35 |

Students must possess a valid St. John Ambulance Emergency First Aid Certificate and a Basic Cardiopulmonary Resuscitation Certificate to be eligible for a diploma from the College.

