

142.GO



3 YEARS

### If you would like to:

- Learn through hands-on experience
- Work in a fast-paced medical environment
- Study biology and physics
- Show your inherent empathy with patients
- Develop strong communication skills as part of a team
- Take responsibility, be autonomous and show initiative
- Make use of your natural curiosity and ability to adapt
- Work in a physically demanding profession

Then the **Medical Ultrasound Technology Program** could be for you.

Ultrasound technologists are in high demand because their work is essential for diagnosing patients and developing treatment plans. They perform ultrasound examinations and acquire images, videos and information, which they communicate to a specialized physician. As part of an interdisciplinary team, they assist in medical interventional procedures. Seeing a developing fetus for the first time is an exciting part of the job in the obstetrics specialty. Other subsectors include cardiac and abdominal ultrasonography. At Dawson, Medical Ultrasound Technology students will enjoy hands-on learning in a stimulating environment, including state-of-the-art equipment, with a small group and one-on-one support from teachers. This is a brand new program at Dawson that will be offered for the first time in English in Quebec in the Fall of 2021.

### What will you learn?

- To understand the fundamentals of ultrasound equipment and quality control
- To care for patients
- To develop communication skills
- To adapt to various clinical and patient settings
- To interpret exam requisitions and clinical information
- To acquire optimal ultrasound images and videos
- To perform various types of ultrasound examinations
- To collaborate in an interdisciplinary healthcare team
- To assist in various medical interventional procedures
- To stay current on developments in technology within the profession
- To engage in continuous professional development and transfer of knowledge to others

### Where will this program lead you?

Medical ultrasound technologists are ready for work at the end of their program. They can work in the following sub-sectors of medical ultrasound technology: abdominal, pelvic, surface, obstetrical, musculoskeletal, cardiac, vascular and breast ultrasound.

Possible Workplaces:

- CIUSSS
- Community hospitals
- Medical clinics
- University hospitals

### What do you need to get in?

- A Diploma of Secondary Studies (DES) or academic background judged equivalent to the DES
- Sec IV Mathematics - Cultural, Social & Technical option 563-404/414 or Mathematics 426
- Sec IV Science & Technology or Applied Science & Technology 555-404/444 or 557-406/416 or Physical Science 436
- Placement at College English 101 and Basic French 100 (testing may be required)
- Video statement\*

### What else should you know?

- Clinical training complements the learning on campus
- Students will benefit from Dawson's innovative interdisciplinary learning approach with students from Dawson's five other medical technology programs
- Once admitted to the program, students must:
  - have a clean criminal record check
  - provide proof of a complete immunization record
- English and French communication skills are essential
- As a member of a professional order, the Ultrasound Technologist must obtain educational credits each year to maintain their professional license

## COURSE LIST

### YEAR 1

Term 1
<ul style="list-style-type: none"> <li>▪ Anatomy and Physiology 1</li> <li>▪ Medical Ultrasound: Fundamentals of the Profession</li> <li>▪ Patient Care, Health and Safety</li> <li>▪ Ultrasound Instrumentation and Imaging Modalities</li> <li>▪ Physics of Medical Ultrasound</li> <li>▪ English</li> <li>▪ Humanities</li> <li>▪ Complementary</li> </ul>

Term 2
<ul style="list-style-type: none"> <li>▪ Anatomy and Physiology 2</li> <li>▪ Ultrasound Instrumentation and Quality Control</li> <li>▪ Abdominal, Pelvic and Surface Ultrasound 1</li> <li>▪ Medical Records of Ultrasound Patients</li> <li>▪ Patient Care and Pharmacology</li> <li>▪ Communication and Wellbeing in the Medical Ultrasound Profession</li> <li>▪ English</li> <li>▪ Physical Education</li> <li>▪ French</li> </ul>

### YEAR 2

Term 3
<ul style="list-style-type: none"> <li>▪ Obstetrical and Gynecological Ultrasound 1</li> <li>▪ Abdominal, Pelvic and Surface Ultrasound 2</li> <li>▪ Cardiac Ultrasound 1</li> <li>▪ Breast and Surface Ultrasound</li> <li>▪ English</li> <li>▪ Humanities</li> <li>▪ Physical Education</li> <li>▪ Complementary</li> </ul>

Term 4
<ul style="list-style-type: none"> <li>▪ Obstetrical and Gynecological Ultrasound 2</li> <li>▪ Vascular Ultrasound</li> <li>▪ Cardiac Ultrasound 2</li> <li>▪ Musculoskeletal Ultrasound</li> <li>▪ Continuous Improvement of Ultrasound Practice</li> <li>▪ English</li> <li>▪ Humanities</li> <li>▪ Physical Education</li> <li>▪ French</li> </ul>

### YEAR 3

Term 5
<ul style="list-style-type: none"> <li>▪ Clinical 1</li> <li>▪ Clinical 2</li> </ul>

Term 6
<ul style="list-style-type: none"> <li>▪ Clinical 3</li> <li>▪ Clinical 4</li> <li>▪ Integration and Consolidation</li> </ul>