

Medical Radiography Program

Information Session



Agenda



- Welcome and Opening Remarks
- Presentation
- Preparing for your application
- Questions and answers
- Tour of Classroom and Labs

Territorial Acknowledgement



Camosun College campuses are located on the traditional territories of the Lkwungen and W̱SÁNEĆ peoples.

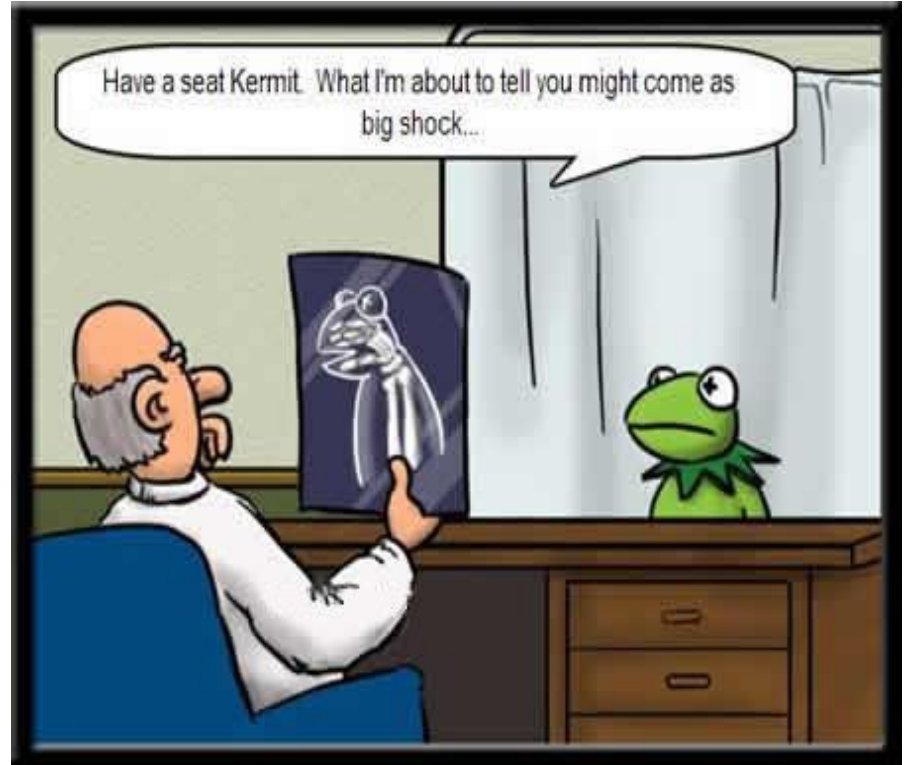
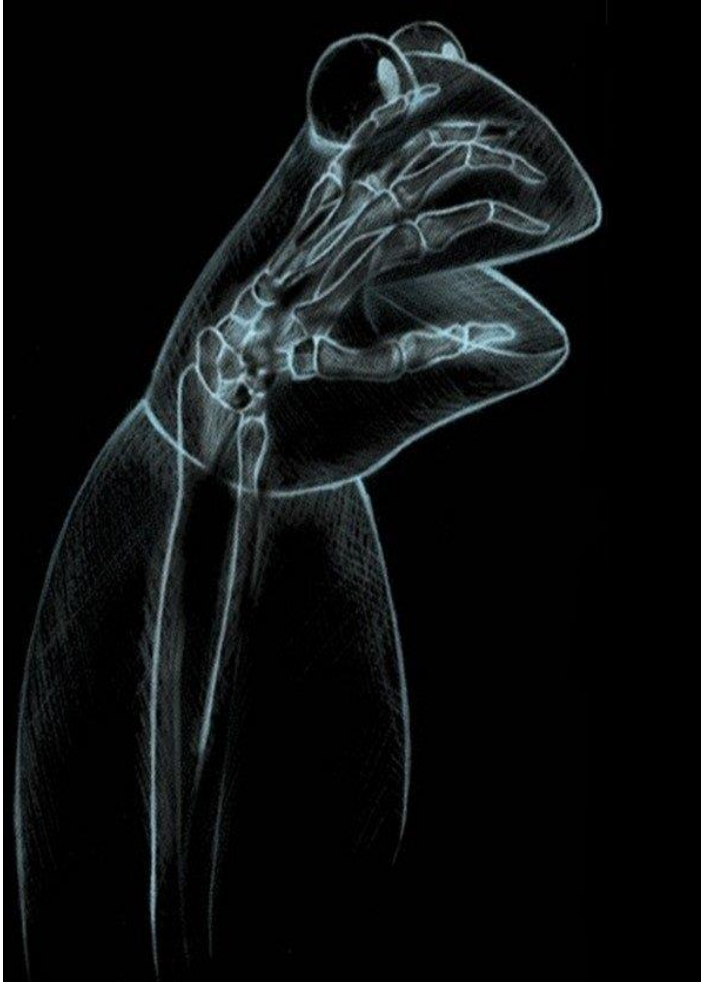
We acknowledge their welcome and graciousness to the students who seek knowledge here.

Q: What are x-rays?



A: X-Rays are a type of radiation that when transmitted through a body or object, produces an image of what is inside!

Q: What are x-rays used for?



A: X-rays are used to help physicians diagnose and treat disease and injury.

What is Medical Radiography?

- **It is the art and science of producing medical images using x-radiation (film and digital)**
- **A Medical Radiation Technologist produces images that a radiologist interprets to aid in diagnosing a patient**
- **Prepares graduates for advanced training and education in imaging specialties such as CT, Breast Imaging, Magnetic Resonance Imaging (MRI)**

Role of the Radiographer

As part of their professional duty, technologists:

- ❑ EXPLAIN procedures to patients.
- ❑ ANSWER questions as fully as possible.
- ❑ CONTRIBUTE to patient education.
- ❑ COMFORT patients and provide emotional support.
- ❑ POSITION patients and equipment correctly.
- ❑ ENSURE that patient, all staff and visitors are protected from radiation.
- ❑ MONITOR patients during the procedure.
- ❑ ASSIST the radiologist for angiographs and interventional procedures.
- ❑ OPERATE the equipment.

Source: http://www.camrt.ca/english/profession/rad_tech.asp

Differentiating Technologist Roles

Who are the various Imaging Technologists you've been exposed to?

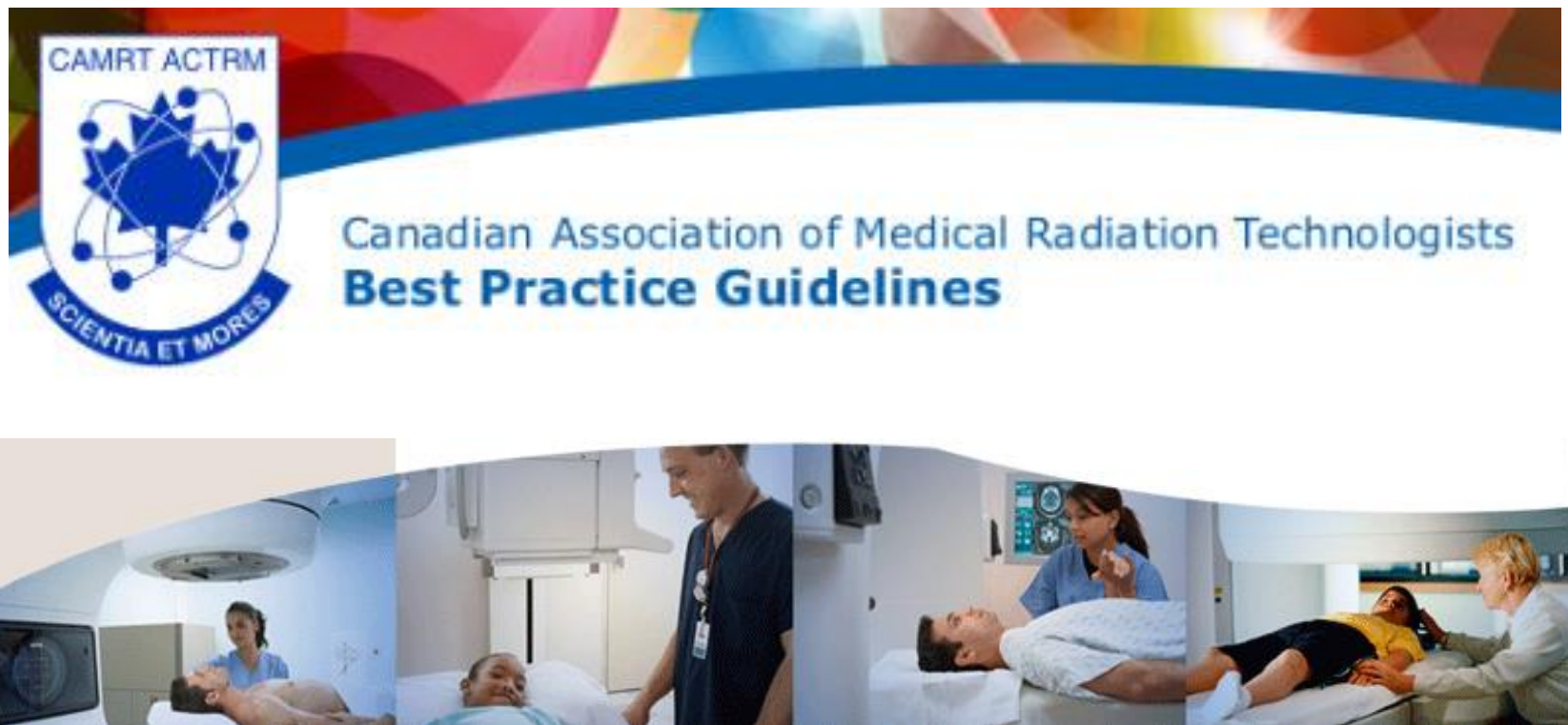
- Medical Radiographers
- Radiation Therapists
- Nuclear Medicine Technologists
- Magnetic Resonance Technologists



<http://imageofcare.ca/home.php>

COMPETENCY PROFILE

RADIOLOGICAL TECHNOLOGY



ACCREDITATION



ACCREDITATION
CANADA



Effective November 3, 2017 CMA Conjoint Accreditation awarded Camosun College 6 year Accreditation status. Beginning February 1, 2018 Accreditation Canada, Educational Quality (EQUAL Canada) division, assumed governance over educational accreditation for Medical Radiography Programs.

<https://accreditation.ca/files/equal-accredited-clients-mar-2018-en.pdf>

The MRT Program

- Intense 24 months of study (no summer breaks!)
- 4 month long terms; 6 terms in total
- Classroom with labs (including simulation) alternating with clinical semesters with online courses
- Students act as surrogate patients to learn positioning techniques as well as interpersonal skills
- Classes run 5 days/week, often from 0830 – 1730 hrs

Clinical Experience

- Clinical placements will be at a variety of sites on Vancouver Island
- Three different clinical sites over the three clinical terms
- There is no guarantee that students will receive their preferred placements
- Students are responsible for providing their own transportation and accommodations while on their clinical placement; keep these costs in mind

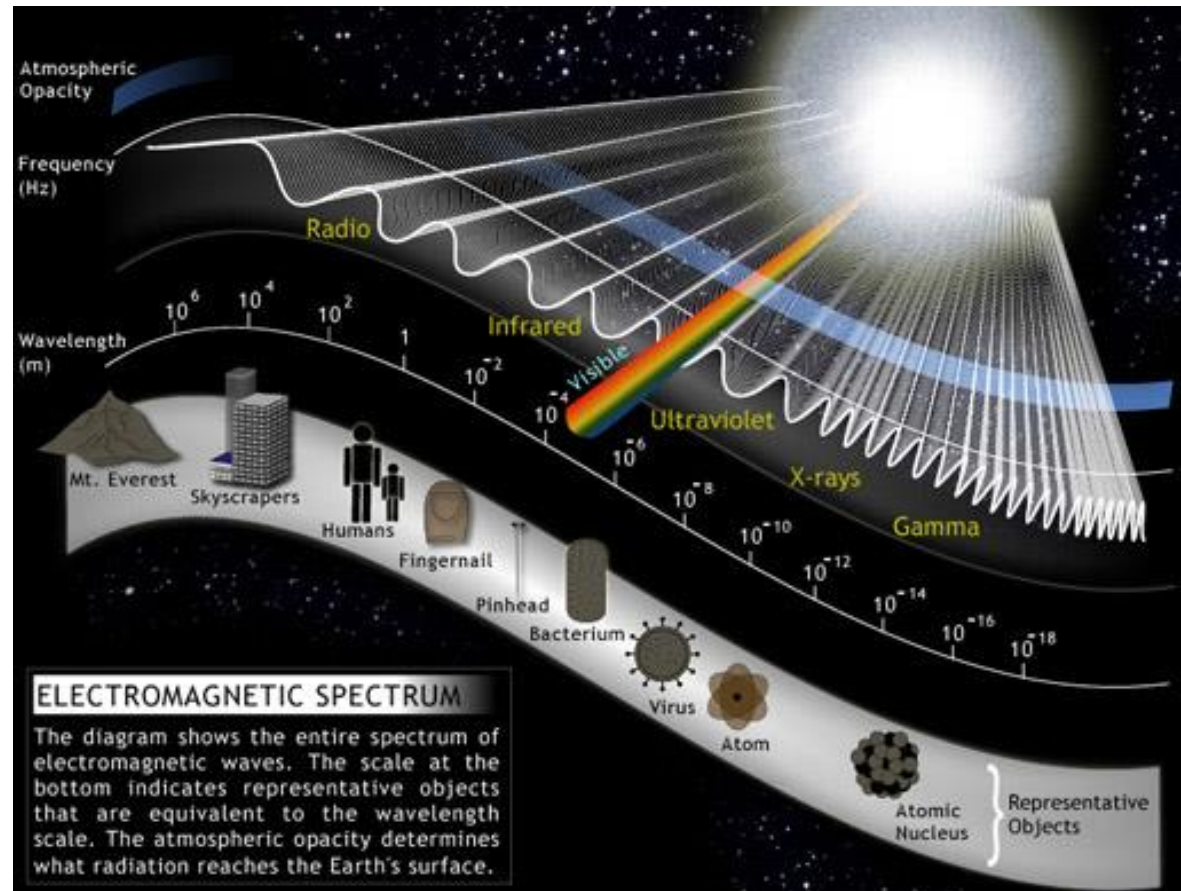
Art of Medical Radiography



- Positioning Skills
- Human Behaviour
- Ethics
- Communication
- Interprofessional Practice
- Patient Care
- Research

Science of Medical Radiography

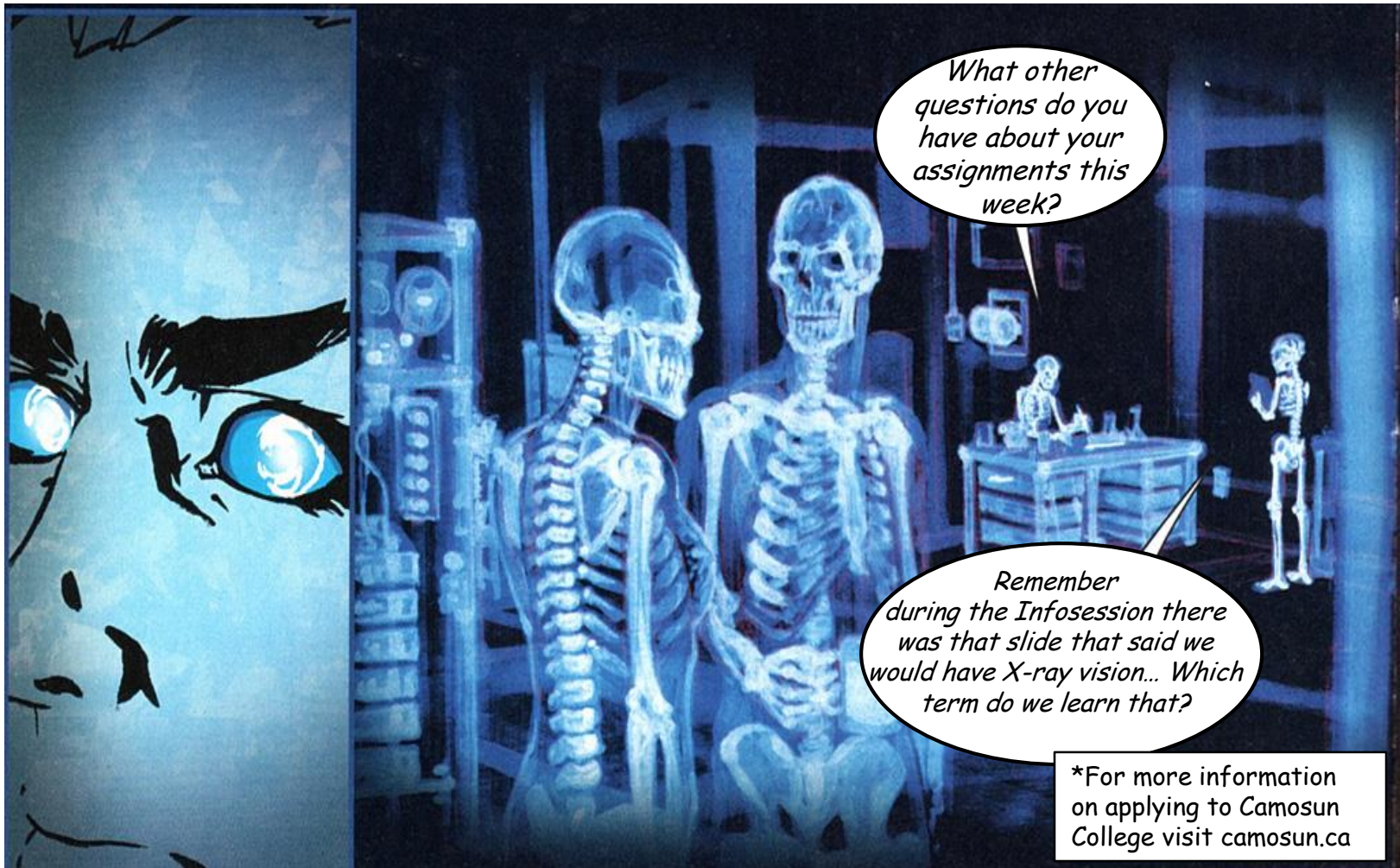
- Anatomy
- Physics
- Radiographic Procedures
- Radiation Protection
- Relational Anatomy
- Pathology
- Computed Tomography



Post Graduation

- ☐ National Certification; CAMRT exam
- ☐ Eligible to work in all provinces
- ☐ Employment opportunities in BC <https://www.workbc.ca/jobs-careers/explore-careers/browse-career-profile/3215>
- ☐ Most technologists entering practice find immediate Casual work, Casual may mean close to full time hours, full time positions are usually filled from Casual workforce
- ☐ Pay Scale – [Health Sciences Association](#)
- ☐ Ongoing opportunities – CT, Breast Imaging, Education, Management, IT services, Equipment sales and Applications

Superman had X-ray vision, why not **YOU**?



Admission Process Overview

- Stage 1 – Complete your online application between September 4 - December 14, 2018
- Stage 2 – Video essay questions, academic assessment test, and interviews – February
- Stage 3 – Invitation to the program*, clinical site placement, and completion of participation requirements

**you will be asked for a \$175.00 deposit to hold a seat; the deposit goes towards your first semester tuition but is non-refundable if you change your mind*

Admission Requirements

- ❑ **English 12 (B = 73%)***
- ❑ **Principles of Math 12 (B – 73%)***
- ❑ **Physics 12 (B = 73%)***
- ❑ **Biology 12 (B = 73%)***

It is recommended that the academic courses be completed within the last 5 years

- ❑ Academic admission requirements '**In progress**' at the document submission deadline will be considered, provided official transcripts are received by **May 17, 2019**. 'In progress' requirements are considered a "B" for interview GPA ranking purposes. **(worth 50% of your rank)**

** **Equivalent or higher**; for a full list of acceptable admission requirements please visit our website or contact the college.*

Admission Requirements

- **“B = 73%”** or higher in an accredited Medical Terminology course with a minimum of 60 hours, can be credit or CE
- **IMPORTANT FOR INTERVIEW RANKING:** A resume with a cover letter outlining relevant work experience and any personal achievements. The cover letter should answer the “essay” question, **“How do you see your academic and life experience as preparation for the Medical Radiography Technology program?” (worth 50% of your rank)**

Admission Requirements

Required for your online application by January 11, 2019

- ❑ A completed Physical Requirements Form (this will be sent to applicants)
- ❑ Attend an MRAD Information Session & complete online questionnaire. Be sure you got a survey card!
- ❑ 40 hrs volunteer work in a patient related environment (interactive role) e.g. Long-term care - require letter from supervisor confirming 40 hours and responsibilities performed – *some health care professionals can use prior work experience*

Interview Selection Process

- ❑ Must have met minimum requirements by January 11, 2019
- ❑ Up to 40 eligible applicants are invited for an interview session
 1. All **applications are ranked using GPA** Calculation of the four academic requirements.
 2. All **Resumes are ranked**, points are awarded for work history, education, additional (non-clinical) volunteer work, awards, and achievements, hobbies, etc.
 3. All **Cover Letters are ranked**, points are awarded for answers to both sections of the “essay” question.
- ❑ Students selected interview are based 50% on GPA calculation and 50% on Cover Letter & Resume ranking
- ❑ **Interviews only held during Camosun College Reading week**

Interview Process

- Up to 40 eligible applicants are invited for an interview session
 1. The applicant will watch a selection of short videos. After each video they will be asked to **write a short (one – two paragraphs) essay** on a question relevant to that video
 2. The applicant will **write a short multiple choice test** to assess their knowledge related to the academic admission requirements.
 3. The applicant will then **participate in four brief interviews** which address the applicant's preparedness to enter the program.

Interview Process

- ❑ Students selected for 16 seats are based 50% on scores from interview and 50% on academic assessment
- ❑ Students with learning accommodations are encouraged to **DECLARE AND USE** them for the admissions process
- ❑ Selected students then participate in program site selection for their three practicum placements.
- ❑ Following site selection, students pay their deposit to confirm their seat invitation.
 - All applicants on the “same-year waitlist” are encouraged to complete as many of the Program Participation requirements as possible in order to be eligible for a “last-minute” seat during the first week of classes, BE READY!
 - We typically go through the entire waitlist EVERY year!

Program Participation Requirements

- All students must have received a "clear" criminal record check letter from the Ministry of Public Safety and Solicitor General through the College. Any Criminal Record Check done outside the College will **NOT** be accepted and will result in additional costs to the student.
- Current Standard First Aid and CPR Level C is required prior to the first clinical experience (usually 14-16 hours), with re-cert annually

Program Participation Requirements, cont.



- ❑ A mask fit test will be required prior to the first clinical experience, with re-cert annually
- ❑ Proof of non-active TB (TB skin test or negative chest x-ray)
- ❑ Students are highly recommended to maintain current immunizations as per the Practice Education Guidelines of B.C.
- ❑ Hepatitis B vaccination is highly recommended and readily available at local health clinics or through a physician

Est. Total Program to Employment Costs

all costs illustrate a 2% increase and subject to change

- **Tuition** **\$28,356**
- **Student Fees** **\$1,581**
- **Application Fee** **\$42**
- **Text Books** **\$2,958**
- **Computer** **\$1,530**
- **Expendable Supplies** **\$1,326**
Paper, binders, pens, photocopying, discs, printer cartridges etc.
- **Uniforms & Shoes** **\$1,530**
Must be purchased at Camosun, allowance per term is \$250
- **Examination/Professional Fees (CAMRT exam)** **\$1000**
- **Program Requirements** **\$306**
(First Aid/CPR, Criminal Record Check, TB test, Mask Fit test)

TOTAL = \$38,629.00

Investing in your future:

Cost of Schooling:

- $\$38,629.00 \div 6 \text{ Terms} = \text{about } \$6,438/\text{term}$
- $\$6,438 \div 4 \text{ Months (per term)} = \text{about } \$1,610/\text{month}$

Employment Potential:

- $\$53,000 - \$69,000/\text{year @ } 37.5 \text{ hrs/week}$
- $\$23/\text{hr} - \$40/\text{hr}$
- Earnings of $\$4,416 - \$5,750/\text{month}$

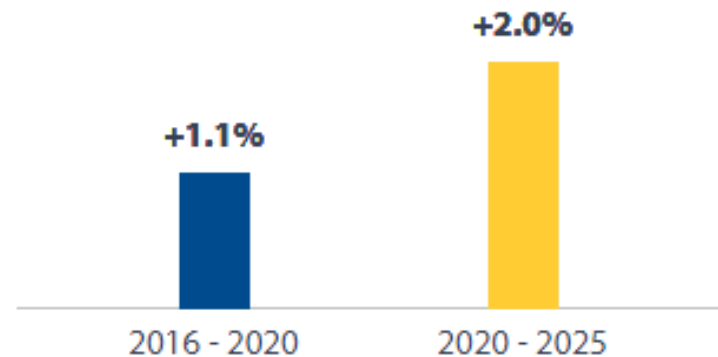
Radiography education at Camosun College is an inclusive, authentic learning experience with low student to instructor lab ratios, and smaller cohort sizes. We are a student-centered organization transforming learners into competent, compassionate health professionals.

MRT Jobs Future

B.C. Labour Market Outlook (2015-2025)

Provincial outlook

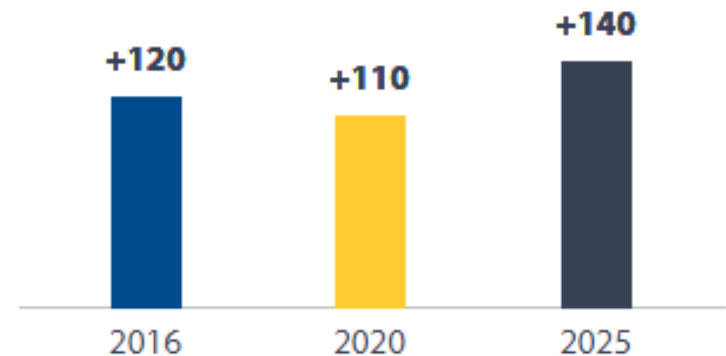
Forecasted average annual employment growth rate



Source: B.C. Labour Market Outlook

Job openings

10 year expected job openings: **1,210**



Source: B.C. Labour Market Outlook

Financial Aid

- Apply to **StudentAid BC** for BC and Canadian Student loans
 - ▣ Each year is broken into 2 terms; Sept-Dec & Jan-August
 - ▣ You can apply for both terms in June.

- Camosun bursary application deadlines
 - ▣ Beginning of October for fall semester
 - ▣ Beginning of February for winter semester

- Lots of outside bursaries and scholarships You can contact the Financial Aid office for more info:
 - ▣ <http://camosun.ca/financialaid/>

Graduate Awards*

- Academic Achievement
 - A total of \$3000 awarded to Graduates achieving the first & second highest overall GPA in their academic program courses
- Citizenship Award
 - A total of \$1500 awarded to Graduates for professionalism and citizenship as nominated by their instructors and workplace mentors
- Capstone Awards
 - A total of \$1500 awarded to Graduates for Capstone Project Excellence

* Medical Radiography program Awards donated by Victoria Radiology Consulting Inc.

Attributes that Contribute to Success

- ❑ Strong sense of responsibility – caring nature – interest in well-being of others, particularly the sick and injured
- ❑ Excellent communication/interpersonal skills
- ❑ Strong problem solving skills and ability to function as part of a team
- ❑ Ability to cope in stressful environments and situations
- ❑ Empathy, ethics, and self-knowledge
- ❑ Ability to cope with disturbing scenarios (e.g. trauma, surgery)
- ❑ Adaptability and change resilience
- ❑ Excellent physical fitness and mental acuity

Attributes that Contribute to Success cont.

- ❑ Competence in written and oral English
- ❑ *Fluent* computer skills – reliable access to a personal computer & internet
- ❑ Ability to manage time commitment to school & study
- ❑ Financial security – not having to work during the program
- ❑ Learn more about the profession; read and talk to people who are Medical Radiation Technologists (MRTs)
- ❑ Enhanced anatomy knowledge, spatial reasoning

Important Dates

- **December 14, 2018***
 - ▣ Closing date for all applications for the 2019 intake

- **January 11, 2019***
 - ▣ Date when proof of all admission requirements will need to be received by the college.

- **May 17, 2019***
 - ▣ Date when your transcripts showing your final academic admission requirements will need to be received by the college if you have provisional acceptance.

***Camosun College Website edited to reflect new info at end of August 2018**

Helpful Websites

- <http://camosun.ca/learn/programs/medical-radiography/index.html>
 - Course outlines, calendar, policies etc
- <http://www.camrt.ca/>
 - Canadian Association of Medical Radiation Technologists, National Certification Exam, Competency Profiles, Best Practice Guidelines, and more information on the profession
- <http://www.camrt.ca/bc/about-camrt-bc/>
 - CAMRT-BC is the provincial association for MRTs in the province of British Columbia, they provide Continuing Professional Development, Advocacy, & Professional Liability Insurance
- <http://www.hsabc.org/collective-agreements/health-science-professionals>
 - Health Science Association, 2014-2019 HSPBA Collective Agreements, wages & benefits
- <https://www.workbc.ca/jobs-careers/explore-careers/browse-career-profile/3215>
WorkBC, Medical Radiation Technologists (NOC 3215), future job prospects in BC by region through 2025

Thank you for reviewing this PowerPoint.

Please click
<https://www.surveymonkey.ca/r/J6FGNGK>
or copy the address to your web browser.

You must submit the short survey so we can document your completion of the information session requirement.

Please contact us if you need more information
hhsinfo@camosun.bc.ca