Honours Bachelor of Health Care Technology Management

FIRST DEGREE OF ITS KIND IN CANADA
HONOURS BACHELOR OF HEALTH CARE TECHNOLOGY MANAGEMENT (BHCTM)

Technology is the key to optimizing health care delivery in Canada and around the world. As technology advances so does the need for professionals who speak the language of both the innovators behind the technology and the practitioners who depend on it to deliver quality patient care. As a BHCTM graduate, you will be the professional who bridges the two sides with strategic leadership in assessing current and innovative medical technologies and matching them to clinical objectives.

WHY SHOULD YOU EARN A BACHELOR’S DEGREE AT A COLLEGE? WE’RE GLAD YOU ASKED!

Honours bachelor’s degree programs offered by Ontario colleges provide unique opportunities for students looking to integrate theory with intensive applied learning. These degrees offer students career-focused education that combines the theoretical knowledge and analytical skills traditionally associated with a university education with the applied skills acquired through a college education. Students graduate with the comprehensive theory and practical experience required by employers in today’s competitive and quickly evolving workforce.

WANT MORE REASONS FOR WHY YOU SHOULD COME TO DC?

Read on and find our top five reasons on page 6!
**CAREERS FOR BHCTM GRADUATES**

**WHAT YOU COULD BE:**
- Biomedical technology manager
- Medical equipment planner
- Clinical or biomedical equipment specialist
- Project engineer
- Medical technology consultant
- Strategic technology planning lead
- Capital equipment procurement specialist
- Medical technology assessment specialist
- Biomedical technology science writer
- Onsite medical technology manager
- Regulatory compliance officer
- Facilities service manager
- Medical technology quality systems manager
- Medical technology asset manager
- Supply chain clinical technology coordinator

**WHERE YOU COULD WORK:**
- Hospitals and clinics
- Local Health Integration Networks (LIHNS)
- Independent service providers
- Medical device manufacturers and distributors
- Group purchasing organizations
- Government regulatory departments
- Technical sales and support

**BHCTM CAREER SNAPSHOT: BECOME A BIOMEDICAL TECHNOLOGY MANAGER**

In this role, you will be the primary contact between clinical, business, and support departments and the biomedical engineering technology department. You will lead and manage the biomedical engineering technology teams in support of your organization, and will be responsible for developing, directing, organizing and managing overall operations and distribution of resources (staffing, budgets and outside vendor services).

**JOB RESPONSIBILITIES:**
- Review, audit and participate in decision-making and support activities related to problem diagnosis, repair, preventive maintenance and quality assurance of patient care and other biomedical equipment.
- Participate in the development of annual goals and objectives related to supporting the growth and development of services in response to the biomedical equipment support needs of the organization.
- Manage the performance of direct reports including work assignments, goal setting and annual reviews, time and attendance, salary administration, etc.
- Meet regularly with department supervisors to review previous work completion data, future scheduled work assignments, quality assurance issues, new biomedical equipment inspections and any other projects or equipment support needs.
- Work with department supervisors and clinical engineers on projects related to new biomedical equipment acquisition, installation, renovation, modification or removal. May directly oversee the progress and status of such projects.
- Determine training needs for staff technicians and engineers and recommend/implement arrangements as needed to obtain necessary training, test biomedical equipment and tools needed to expand the areas of technical services provided by the departments.
BHCTM CAREER SNAPSHOT: BECOME A MEDICAL EQUIPMENT PLANNER

In this role, you will provide expertise in planning and identifying medical equipment for diverse and multi-disciplinary health care projects. You will evaluate, locate and recommend equipment to be purchased for new medical facilities, major renovations and expansions of existing medical facilities. You will facilitate meetings with health care personnel to determine the appropriate placement and use of medical equipment and assist clients with selecting medical equipment and related systems.

JOB RESPONSIBILITIES:

• Research emerging technology trends and develop relationships with vendors to stay current with latest medical technologies.
• Evaluate existing medical equipment and related systems with respect to age, condition and technological status to determine the potential for reuse.
• Conduct user group meetings to determine and verify medical equipment needs.
• Effectively communicate equipment planning information to project teams to ensure successful project completion.
• Manage and participate on multiple projects simultaneously.

PROGRAM OF STUDY

The Honours BHCTM program has been developed by Durham College in collaboration with subject matter experts and representatives from regional hospitals and health care organizations, advocacy groups, non-profits and major biomedical equipment manufacturers.

SEMESTER 1
Electrical Circuits for Biomedical Technology
Human Anatomy and Physiology
Introduction to Biomedical Engineering Technology and Management
Math for Technology Management
Communications I: Critical Thinking and Writing

SEMESTER 2
Fundamentals of Digital Electronics
Physics for Biomedical Technology
Biomedical Nomenclature and Devices I
Introduction to Economics
Elective

SEMESTER 3
Biomedical Nomenclature and Devices II
Medical Electronics I
Quantitative Methods in Health Care Management I
Financial and Managerial Accounting
Elective
ADMISSIONS REQUIREMENTS

- Ontario Secondary School Diploma (OSSD) or equivalent or Mature Student Status
- Six Grade 12 U or M courses with a combined minimum average of 65 per cent including:
  - Grade 12 U English
  - Grade 12 U mathematics
  - Grade 11 U mathematics with a minimum of 70 per cent
  - Grade 11 or 12 U biology with a minimum of 60 per cent

RECOMMENDED

- Grade 12 U physics
- Grade 12 U chemistry

FEES

- Tuition: $7,283.00
- Mandatory ancillary fees: $1,203.91
- Program fees: $200.00
- Total: $8,611.91

Please note: fees are subject to change. Please visit www.durhamcollege.ca/BHCTM for the most up-to-date information.

For more information about the Honours BHCTM degree program and application process, contact DC Student Recruitment and Admissions Services:

Phone: 905.721.3126
Email: recruitment@durhamcollege.ca

READY TO APPLY?

Visit www.ontariocolleges.ca and look for HCTM!

FIELD PLACEMENT

Your learning experience will be complemented by a 420-hour field placement during the summer between the sixth and seventh semesters. This is an opportunity for you to further explore your chosen field while putting your newly acquired skills and knowledge to work in a real-world, professional setting and gain applied learning and work experience that employers value. Faculty will help you identify opportunities through established connections with employers and industry partners.
NEED MORE REASONS TO COME TO DURHAM COLLEGE? HERE ARE OUR TOP FIVE!

1. YOU’LL LEARN FROM EXPERTS AND CONNECT WITH EMPLOYERS.

Whether you’re training in the classroom, lab or out in the field, your professors and mentors are experts with real-world experience who know what it takes to get hired. As a DC student you will benefit from our trusted relationships with employers from all sectors that we’ve built over the past 50 years. You can enter your program knowing that it has been carefully designed by DC and leading employers to ensure you’re gaining the skills and knowledge you need to start your career. These employers also host DC students for field placements and – most importantly – hire DC graduates.

2. YOU TAKE SUSTAINABILITY SERIOUSLY AND BELIEVE YOUR SCHOOL SHOULD TOO.

DC green goes much deeper than our brand. If you want an environmentally conscious college experience – from the building you learn in to the program you study – DC is here for you. As the Gold winner in the Green College category at the World Federation of Colleges and Polytechnics Awards of Excellence and one of Canada’s Greenest Employers, DC is committed to reducing our carbon footprint.

3. YOU WANT TO BE YOUR OWN BOSS.

Welcome to your training ground for joining the next generation of innovators, creators and leaders. If you have an idea and the desire to make it happen, DC is ready to help. You will sharpen your entrepreneurial skills while creating a solid business plan to take your product or service to market – quickly and successfully. Bootcamps, incubators, networking and maker-space are all at your fingertips at DC.

4. YOU’LL BE LIVING AND LEARNING IN A TEACHING CITY.

That’s right – a Teaching City. In 2017, the City of Oshawa partnered with DC and several other institutions to officially become a “teaching municipality.” This means Oshawa is your innovation sandbox, giving you more opportunities in experiential learning, applied research, market-driven training and more.

5. YOU’LL BE JOINING A FAMILY.

Your relationship with DC will go from backpack to briefcase and beyond. DC employees will support you in and out of the classroom. Our student support services are there for you every step of the way and they don’t end once you graduate. You’ll go on to join the 81,000+ DC alumni who stay connected to each other and the college throughout their careers.