

# Challenge what's possible

Specialist areas in the multimedia sectors are growing rapidly in North America, Asia and Europe, resulting in a huge demand for employees with the expertise and skills that combine creativity, imagination and technology.

The Interactive Multimedia & Design (IMD) program provides a multidisciplinary education in key areas of digital media, including web design, 2D and 3D computer animation, game design and development, visual effects, human-computer interaction (HCI), virtual reality and project management.

## Why IMD?



ONE OF THE FEW PROGRAMS IN CANADA that combines a Bachelor's Degree in Information Technology and an Advanced Applied Arts Diploma



FOCUS YOUR STUDIES in streams such as Animation and Visual Effects, Game Design and Development, and Web and User Interfaces/Experience



### For more information

Admissions Information  
Undergraduate Recruitment Office  
Carleton University  
315 Robertson Hall  
1125 Colonel By Drive  
Ottawa ON K1S 5B6 Canada  
1-613-520-5606  
1-888-354-4414 (toll-free)  
liaison@carleton.ca  
carleton.ca/admissions

Algonquin College  
1385 Woodroffe Avenue  
Ottawa ON K2G 1V8 Canada  
1-613-727-0002



Interactive

Multimedia & Design



Ottawa, Canada





4th year IMD students showcasing their third-person puzzle-adventure game, "Dadirri".

# Interactive Multimedia & Design



Co-op available

With its unique mix of design, programming, physics, mathematics and social science courses, the Interactive Multimedia & Design (IMD) program focuses on the entire multimedia production process, from initial concept through to final realization.

Offered jointly through Carleton University and Algonquin College, IMD is best suited to students with the potential to be both creative and technologically adept, and with a keen interest in producing the next generation of multimedia applications, products and systems.

### Shape the digital world

The IMD program provides the tools you need to start with a problem and move through the entire process: from concept to pre-production, to production, through to post-production.

Along the way, you will learn how to turn your ideas into reality using a mixture of technical and artistic skills.

### Enrich your studies through Co-op

Gain at least 12 months of on-site practical experience in game development companies, government agencies, web development companies, animation studios and other private sector industries.

### Open doors to your future

Successful completion of this four-year program gives you both a university Bachelor's degree and an advanced college diploma. This degree/diploma combination opens the door to a broad range of career opportunities such as game design and development, digital video and audio effects, computer animation, user interface design, multimedia development, dynamic web application design, e-commerce and more.

### Exceptional laboratory facilities and resources

State-of-the-art facilities and equipment at both institutions match the hardware and software used at leading media companies. This includes the Motion Capture Studio, VR equipment and solid and liquid 3D printers, to name a few.

### Agile Programs

Both institutions regularly consult with representatives from related industries in order to track current, emerging and future trends in the marketplace. All our lecturers have a solid background in the industry and actively pursue research on the leading edge of interactive multimedia.

Courses			
To graduate from this program, you will need 20.0 credits, generally completed over four years. The required courses include:			
1st Year	2nd Year	3rd Year	4th Year
<b>Fall:</b> Mathematics I for IMD, Arts & Humanities Elective, Introduction to Interactive Multimedia Design, Visual Dynamics, Design Processes	<b>Fall:</b> Mathematics II for IMD, Multimedia Data Management, Intermediate Programming, Audio and Video, Intro to 3D Animation	<b>Fall:</b> Communication Skills for IMD, Sensor-Based Interaction, Software Design for Multimedia Applications, Design Studio 2	<b>Fall:</b> Electives for IMD, IMD Capstone Project
<b>Winter:</b> Physics for Information Technology I, Intro to Programming and Problem Solving, Arts & Humanities Elective, Visual Communication, Web Development	<b>Winter:</b> Elective, Statistics for Technology, Introduction to Game Design & Development, Design Studio 1	<b>Winter:</b> Marketing in the IT Sector, 3D Computer Graphics, Human-Computer Interaction & Design, Design Studio 3	<b>Winter:</b> Technology and Culture, Electives for IMD, IMD Capstone Project

### Benefit from the capital advantage

There are few better places in which to live and study than Ottawa, Canada's capital. With more than 1,800 technology companies, the city is one of Canada's major high-tech hubs. It is also home to a wide range of governmental departments, non-profit organizations, and educational and research institutions.

### Your career

Careers for IMD graduates could include:

- visual effects technologist
- 3D modeler/ animator
- web developer
- mobile games designer
- technical director
- tools programmer
- game designer
- shader developer
- special FX artist
- motion capture technician

Alumni from the program have found positions in organizations and companies such as Disney Animation, Sony ImageWorks, ImageEngine, BioWare, Microsoft, Shopify, Ubisoft, Gameloft, Magmic, Google and King, to name a few.

### Admission Requirements

To be eligible for admission to the first year of the IMD program, Ontario students must have an Ontario Secondary School Diploma (OSSD) with a minimum of six 4U/M courses. Your six courses must include Advanced Functions (MHF4U).

For all applicants outside of Ontario, please visit [admissions.carleton.ca/requirements](https://admissions.carleton.ca/requirements).

Candidates must also submit a portfolio to demonstrate their creativity and aptitude in design work.

Examples include drawing, 3D modelling, web design, photography, graphic design, 2D and 3D animation, game design, etc. We recommend a portfolio showing a broad range of creative skills.

Your portfolio and academic records are considered equally for admission to the program. For more information on the Portfolio requirements please visit the BIT website at [bitdegree.ca/IMD](https://bitdegree.ca/IMD).

**The application and portfolio deadline is March 3.**

Please note that the program is not structured to accommodate part-time studies.

Have questions?

Email [infoIMD@bitdegree.ca](mailto:infoIMD@bitdegree.ca) or visit [bitdegree.ca/IMD](https://bitdegree.ca/IMD).

