Game Development – Advanced Programming

Ontario College Graduate Certificate | 1 year
Trafalgar Campus (Oakville)

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Gain specialized game development skills and launch a successful career.

Begin your career – now!

Long recognized for excellence in animation, digital media and technology, Sheridan now brings an innovative, multidisciplinary approach to the study of video game development. Our graduate certificate in Game Development – Advanced Programming presents a one-of-a-kind learning opportunity.

An integrated approach

Offered alongside the Game Level Design program at Sheridan's renowned Faculty of Animation, Arts and Design, our game development courses simulate a realistic work environment that integrates game programming, tool development, digital art, storytelling and project management. This unique integrated approach prepares students for success in a collaborative, highly creative work environment.

Gain industry-specific skills

Developed in response to industry need, Sheridan Game Development courses encompass both 2D and 3D game development. You'll learn advanced game programming techniques, utilize industry-standard technologies, and apply your programming skills to animation, artificial intelligence and multiplayer systems.

Career opportunities

Canada is a major player in the digital games market. Graduates of Game Development – Advanced Programming are well positioned to attract the attention of employers in the industry.

Our certificate can lead to exciting opportunities in:

- Digital graphics
- Game level design
- Game programming
- Project management
- Software developer

Courses

Some of the courses you can expect to take in your program

- Game Engine Fundamentals
- Game Architecture
- Computer Graphics and Animation
- Game Tools and Data-driven Design
- Gameplay Programming
- Artificial Intelligence for Games

Admission requirements

Program eligibility

- Postsecondary diploma or degree in computer science/programming or related discipline.

or

- Demonstrated competence through related work, and/or educational experience.

Applicant selection

Eligible applicants are selected on the basis of previous academic achievement and/or demonstrated experience. In some cases, applicants may be requested to submit a résumé, which includes details of related work experience, and a cover letter, which summarizes their career goals and reasons for wanting to take this program.

Applicants who do not meet the admission requirements for this program may be advised individually regarding other related programs.

English language proficiency

All applicants whose first language is not English must meet Sheridan's English proficiency requirements.

Refer to the website for full admission requirements.

How to apply:
5 easy steps

1. Find your program
2. Check the admission requirements
3. Apply online
4. Submit your documentation
5. Accept your offer

Ready to get started?

sheridancollege.ca/apply

International students

Find out more about...

- Post-graduation work permit (PGWP) eligibility
- Admission requirements
- English language proficiency requirements
- Fees and financial aid
- Provincial Attestation Letters (PALs)

sheridancollege.ca/international