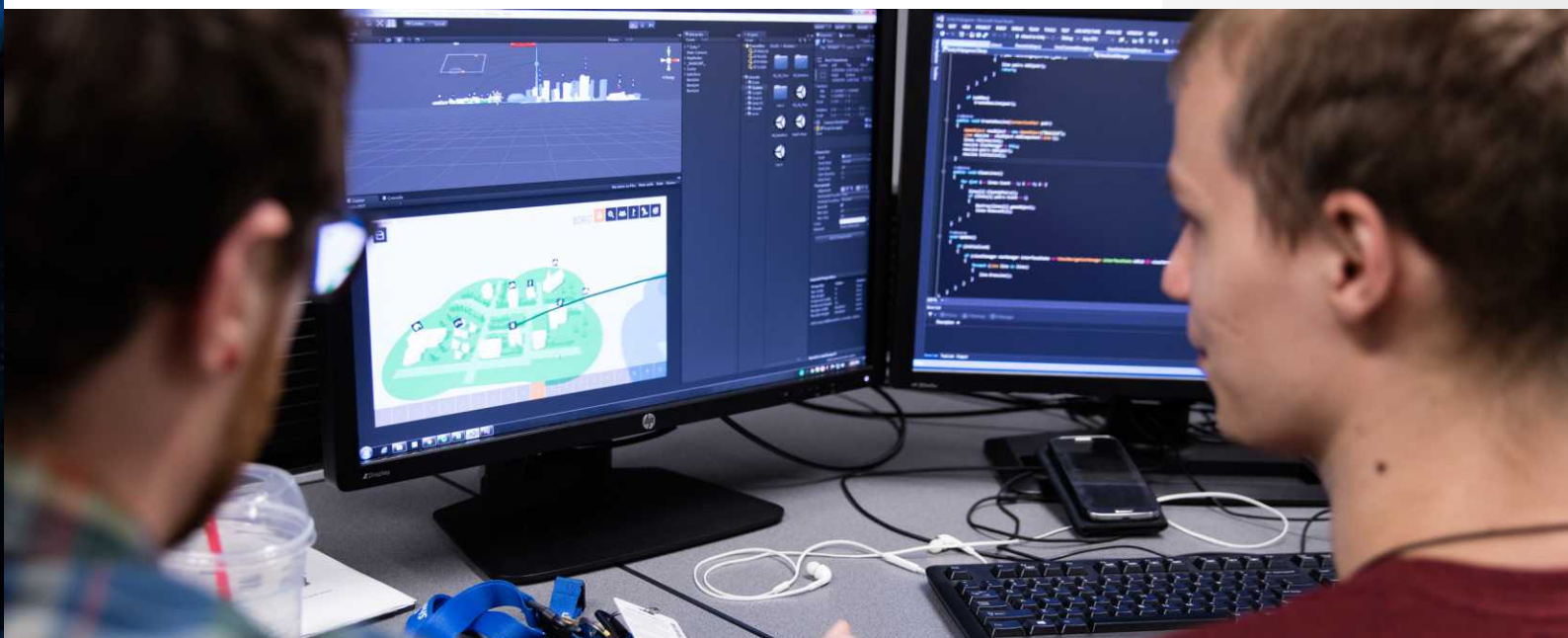


Game Development – Advanced Programming



Scan here



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

Sheridan's 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 you for success in a collaborative, highly creative work environment.

Gain industry-specific skills

Developed in response to industry need, Sheridan's game development courses encompass both 2D and 3D game development. You'll learn advanced game programming techniques, use 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

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

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.

All applicants should have a solid background in programming and should already know OOP, data structures and functional programming.

Applicant selection

Eligible applicants are selected based on their previous relevant academic achievement or demonstrated competence through related work and/or educational experience.

*Applicants without a postsecondary diploma or degree in computer science/programming or a related discipline will be asked to submit the following information to determine eligibility:

- Questionnaire: Responses to a questionnaire to help us assess your programming experience and your suitability for a career in game development.
- Résumé: Résumé outlining your academic background, business/work or unpaid/volunteer work experience. The résumé should clearly reflect the experience that you declare in the questionnaire and highlight your programming experience. Résumé formats vary by country. Applicants must ensure their documents follow Canadian format and standards. For more information, see: "How do I create a Canadian-style resume?"
- Cover letter: Summarizing your career goals and reasons for wanting to take this program.
- Portfolio/Work samples: Demonstrating your computer science/programming skills. Your portfolio programming components must be submitted through an online portal such as GitHub or GitLab. If you have collaborated on work, please outline what your role was on the project in the questionnaire.

The Office of the Registrar will update your application in the Sheridan Application Portal to let you know if a submission is required. Detailed instructions for what is required and how to submit will be provided.

Applicants who do not meet the admission requirements for this program will be assessed and advised individually and may be considered for 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.