

FACULTY OF APPLIED SCIENCE & TECHNOLOGY

# Game Development – Advanced Programming

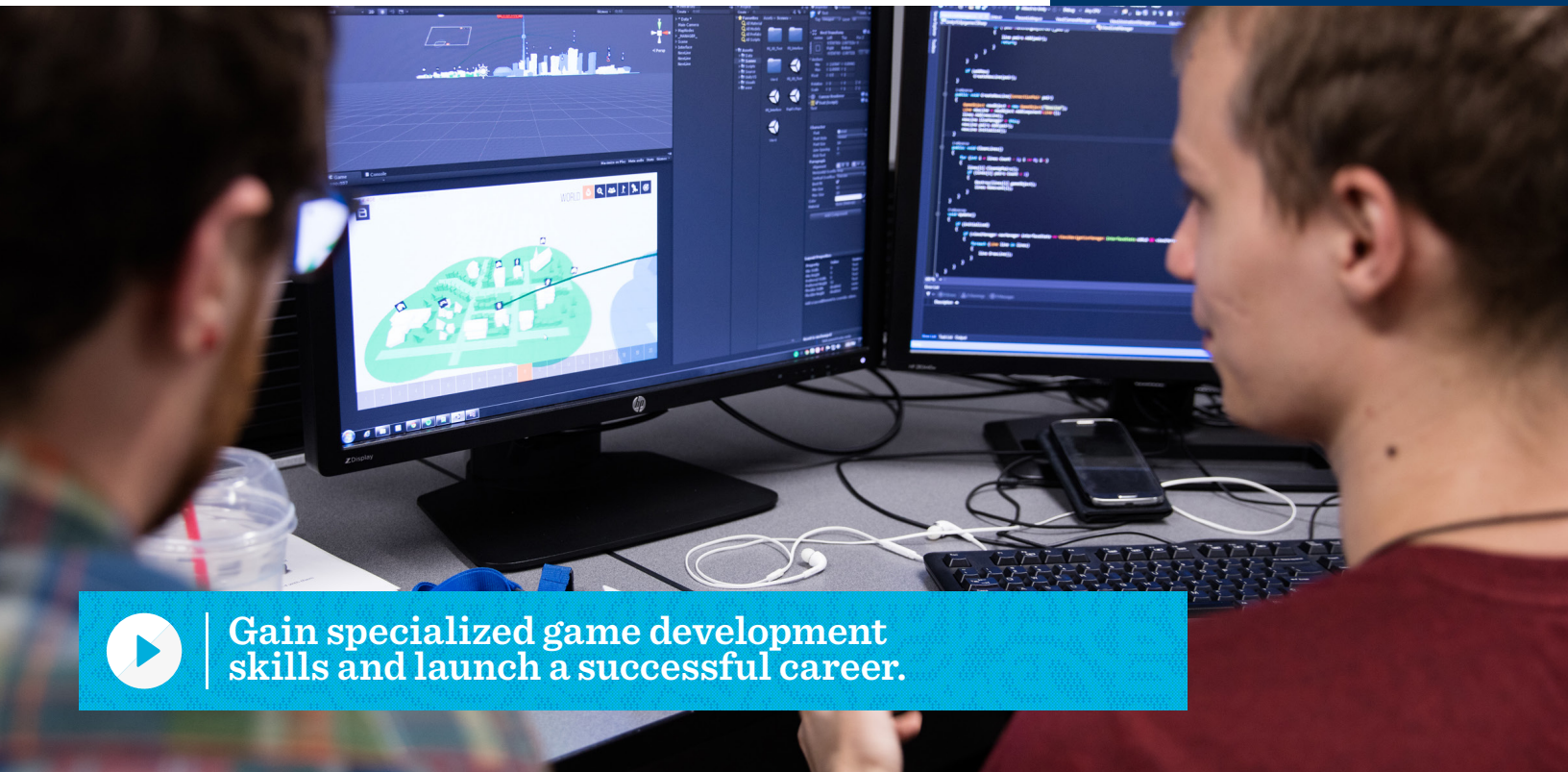
Ontario's computer game industry is poised for growth, and so is the demand for game development talent with advanced programming skills.

**93%** **Employer Satisfaction\***  
with the knowledge and skills that our graduates possess.

**Ontario College  
Graduate Certificate**

**Program Code:** PGDAP

Full-Time | Trafalgar Road Campus | 1 yr  
(3 semesters)



**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.

## Admission Requirements

### Program Eligibility

- Post-secondary 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 resume, which includes details of related work experience, and a cover letter, which summarizes their career goals and reasons for wanting to take this program.

Post-secondary transcripts indicating courses completed to date must be submitted to [ontariocolleges.ca](http://ontariocolleges.ca) at the time of application.

Domestic applicants with education outside of Canada must have their transcripts assessed for equivalency through ICAS or WES. A comprehensive (course-by-course) post-secondary credential assessment is required.

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.

Refer to the website for full admission requirements.

## 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

Note: See website for specific terms and course listings.

## More information



**Website:**  
[sheridancollege.ca](http://sheridancollege.ca)



**Facebook:**  
[facebook.com/sheridaninstitute](https://facebook.com/sheridaninstitute)



**Twitter:**  
[@sheridancollege](https://twitter.com/sheridancollege)



## Visit us!

There's no better way to get a sense of Sheridan than with a personal visit. Book a tour and see for yourself!



[tours.sheridancollege.ca](http://tours.sheridancollege.ca)