

From computer game programmer to military simulation developer, the path to tomorrow's hot career opportunities in game and simulation programming begins at DeVry.

Your interest in computer games could lead you into a booming career field. The computer and video game industry has taken full advantage of advances in technology. New games are constantly being developed for both online and wireless play, as well as for traditional systems. In fact, over 63 percent of the U.S. population are gamers, contributing to sales in the gaming industry in excess of \$12.5 billion in 2006*.

Today, with more people of all ages playing, this field is predicted to grow for years to come. Meanwhile, educators and even the military have jumped on board and are applying the technology behind the most popular games on the market to everything from teaching tools to war simulation games. The world of 3D visualization, simulation and training is thriving due to the worldwide spending on hardware, software and services.

Career opportunities in game and simulation programming are abundant and at all levels for those with the right qualifications.

Game Simulation Programmers and Software Engineers develop critical software code that makes a computer game or simulation work. Related job titles include computer game, test simulation and animation programmer; Internet game, e-learning and military simulation developer; and design project engineer. Professional responsibilities include:

- Working with game designers to transform their vision into a working game or simulation.
- Using programming principles to integrate graphics, animation and sound.
- Using high-level math such as analytic geometry and linear algebra to graph and manipulate two- and three-dimensional objects.
- Developing interactive applications using instructional design principles and modeling fundamentals.

Game Simulation Project Coordinators spearhead part or all of a project from budget through completion. Related job titles include simulation manager, project manager and game producer. Professional responsibilities include:

- Determining budget and schedule.
- Hiring teams of programmers, writers, audio engineers and animators, often acting as liaison among these professionals.
- Supervising production from initial concept through final review.
- Executing strategies to bring finished products to the marketplace.

* NPD Group information release in *Game Spot News*.

Game & Simulation Programming

Start your career with an education that lays the groundwork for success.

The right education can help turn your love for gaming into a career with a future. As new technologies emerge, a bachelor's degree is becoming more important than ever. To advance, many game and simulation specialists go on to earn master's degrees in technology or computer science.

Start your career with a solid foundation of knowledge and on-the-job experience that allows you to:

- Communicate effectively with both technical and non-technical staff.
- Prioritize work and manage multiple projects.
- Continually update your skills and broaden your knowledge and experience.

DeVry is as focused on your career as you are.

We're focused on your long-term success in the game and simulation industry. To achieve this, our degree program integrates the technical coursework and general education you need to enter and advance your career.

Bachelor's Degree Program

Game and Simulation Programming – 8 Semesters

This program prepares you to enter the booming game and simulation industry through targeted coursework in higher level math and science, programming, creative design and communication skills. Program-specific coursework includes:

- Introduction to game and simulation development, practical game design, visual and audio game design fundamentals, simulation design, modification and level design, software engineering for game programming and project management.

Learn more at www.devry.edu/programs/game_and_simulation_programming/about.jsp

DeVry's Career Advantage.

Classes are small; hands on. Get the individual attention you want and learn the critical skills you need in a hands-on environment that is uniquely student-focused.

Accelerated schedule: 4 years in 3. Onsite/online flexibility. Taking classes onsite or online offers the flexibility you need to fit your busy schedule. Our year-round schedule lets you graduate sooner.

Real-world faculty: real-world curriculum. Gain knowledge from successful professionals who use curriculum responsive to industry needs and who will provide you with relevant insights.

Education that's affordable. Invest in your future. We'll help you apply for the funds needed to make college more affordable.

Employment results: 90%*. Earn a degree that is recognized by leading employers to get the interviews you need to start your career.

Reputable accreditation/degrees employers value. Earn an associate, bachelor's or master's degree from a university that's accredited like other top schools to get started on the path to a successful career.

Resources

Make an educated decision about your career. You'll find valuable information at:

www.igda.org

International Game Developers Association

www.gamedev.net

Game Development

www.gamasutra.com

Gamasutra

www.gdmag.com

Game Developer Magazine

www.educationarcade.org

The Education Arcade

www.siia.net

Software & Information Industry Association

www.ita.org

Information Technology Association of America

www.computer.org

IEEE Computer Society

www.bls.gov

Bureau of Labor Statistics

www.salary.com

Salary Information

Web sites current at time of publication.

*Since 1975, 90.1% of DeVry graduates system-wide in the active job market held positions in their fields of study within 6 months of graduation.

DeVry University is accredited by The Higher Learning Commission of the North Central Association, www.ncahlc.org.

DeVry University operates as DeVry College of New York in New York and DeVry Institute of Technology in Calgary, Alberta.

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