

## Game Design

### 27 unit certificate • 60 unit degree

The Game Design program prepares students in all aspects of the game design process, including game design documentation, standard game design techniques, and tools for rapid prototyping including both non-digital and digital methods.

## Required Courses (to earn certificate)

#### GAM-1 Business of Video Games (3 units)

An introduction to the field of game development. Students will explore the job market, career paths and business aspects of game development professionals.

#### GAM-2 History of Video Games (3 units)\*

A comprehensive study of the evolution of video games, including their technological and artistic antecedents, with analysis of how video games reflect the beliefs, aspirations and values of the cultures where they flourish. Study includes gameplay experience and analysis of notable game genres, identifying significant artistic and technological innovations.

#### GAM-3A Game Design (3 units)

An introduction to the fundamental techniques, concepts, vocabulary, and practical application of these skills towards the discipline of game design.

#### GAM-3B Advanced Game Design (3 units)

Prerequisite: GAM-3A

An advanced exploration of game design emphasizing gameplay tuning, focus group testing, analytics, and user experience.

#### GAM-4A Game Scripting (3 units)

A first course in programming for games stressing fundamental programming principles. Covers the logic structures and design paradigms that allow for fundamental interactions in digital games.

#### GAM-5A Concept Art (3 units)

Introduction to digital drawing techniques using industry standard software. Covers the usage of digital drawing hardware and drawing skills with an emphasis on creative and conceptual expression. A course in sketching, digital drawing, matte painting, and visual ideation targeted towards the video games industry. Emphasizes topics in anatomy, perspective, color, mood, shape, and context.

#### GAM-6A 3D Digital Modeling (3 units)

Introduces concepts of 3D Modeling in a virtual environment. Emphasis is on the introduction of three-dimensional concepts, the use of modeling tools, and menu structures within applications of 3D design systems.

#### GAM-7 Game Studio (3 units)

Introduction to practical game development techniques emphasizing team skills, project management, scope discipline, and task completion. Focuses on delivering finished projects for the purpose of portfolio or further development.

#### GAM-8 Current Topics in Game Development (3 units)

A workshop class focusing on a single aspect or discipline of games development that is contemporary, modern, or of particular need in the games industry.

\*This class transfers toward one or more CSUSB or CalPoly majors. Visit [www.assist.org](http://www.assist.org) or the Counseling office for details.

## Game Design

Tuition \$46/unit • Duration of Study: 16 months

An Associate of Science Degree in Game Design will be awarded upon completion of the required courses (27 units) plus the General Education requirements. Please refer to the Norco College Catalog or visit the Counseling Center.

### Job & Wage Information

- Game Designer  
Wage Range\*: \$23.20 -39.89  
8% increase in employment expected in CA 2019-2029; 2,940 openings annually  
More information: <http://bit.ly/VideogameDesign>

\*2020, Riverside/Ontario/San Bernardino Metro Area

### What type of interests might be a good fit for this career choice?



## Artistic

People who have artistic, innovating, or intuitional abilities. People who prefer using their creativity or imagination.

For more information on careers that fit this category of interests, visit the Career Center in the Center for Student Success.

### What's Your School?



SCHOOL OF  
**Science, Technology,  
Engineering & Mathematics**

Visit [www.norcollege.edu/STEM](http://www.norcollege.edu/STEM) for more information about this program.