

Digital Game and Simulation

Associate of Applied Science

PIMA.EDU



PimaCommunityCollege

Digital Game and Simulation

Associate of Applied Science

Live your passion. Play games. Go deep.

Whether it's creating characters and landscapes, designing levels and stories or writing the coding that brings everything together, students may pursue one of two distinct gaming degrees and be prepared to enter the gaming industry. Professional game designers conceive and develop prototypes of both board games and video games, focusing on story and game structure. Professional game programmers collaborate with designers to bring game prototypes to life.

Pima's specialized curriculum emphasizes the peer collaboration needed in the gaming industry for creation of games from start to finish. Gameplay sessions and playtesting are integral to the development process as students prepare their prototypes. Be part of an exciting and growing industry.

Pima offers an Associate of Applied Science degree in Digital Game and Simulation, with concentrations in Digital Animation and Production, and Digital Programming.

RECENT GRADUATES

Our Associate of Applied Science degrees are intended for the student who wants direct-to-employment training. Recent game design graduates have freelanced for game companies, created their own games, and have transferred to art schools in California. Game programmers also have found jobs outside the game industry doing programming for large corporations. Students seeking transfer should make an appointment with the Arts Division advisor for guidance in transfer pathways.

Follow Pima Arts →





Prepare for a career in the gaming industry by studying digital simulation, animation, production and/or programming.

Core Classes

These courses are required for Pima's degree pathway.*

- GAM 101** Game Design I
- GAM 102** Game Design II
- GAM 120** Introduction to Game Programming
- GAM 201** Game Design III
- GAM 218** Game Design Portfolio Capstone



Digital Animation and Production Concentration

- ART 213 Life Drawing
- DAR 120 Applied Computer Graphics
- DAR 122 Adobe Illustrator
- DAR 176 Digital Animation
- DAR 221 Adobe Photoshop
- DAR 251 3D Animation: Maya
- DAR 258 Advanced 3D Animation: Maya

Digital Programming Concentration

- CIS 129 Programming and Problem Solving I
- CIS 131 Programming and Problem Solving II
- CIS 142 Introduction to C#
- CIS 278 C++ and Object-Oriented Programming
- GAM 150 Game Programming I
- GAM 151 Game Programming II
- GAM 296 Independent Study in Game Design
- MAT 188 Precalculus I
- MAT 189 Precalculus II

** Courses and requirements subject to change. Please see the current course catalog for specific degree requirements.*

Note: Independent study courses available in various areas



Campus Features

West Campus

- Three fully iMac-equipped classrooms
- One Windows-equipped classroom with Cyntiq touch screens.
- VR Headsets and computer stations
- Service bureau for printing student board game projects using large format and 3D printers.
- Digital display case showcases student video games



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PROGRAM HIGHLIGHTS

- Student game prototypes playtesting at the annual Digital Arts Expo and Showcase
- VR headsets and computer stations
- Virtual display case and website featuring student work
- Participation in Tucson ComicCon
- Student Game Guild Club membership opportunity

For more info → pima.edu/digital-game-aas

GET STARTED



At **pima.edu/getstarted**, you'll find links to help you in these areas:

Admission, support and advising

- Meet with a Pima recruiter to get started
- Apply for admission
- Advisors will support you throughout your studies

MyPima, Assessments and New Student Orientation

- Activate your MyPima account:
account.pima.edu/accountclaim
- Pima's basic skills assessments:
pima.edu/assessment
- New Student Orientation:
pima.edu/orientation

Financial Aid, scholarships and veterans benefits

At **pima.edu/costs**, you will find links to help:

- Federal Financial Aid:
fafsa.gov
- Scholarships and grants:
pima.edu/scholarships
- Veterans benefits and learn about services:
pima.edu/veterans

DIVISION OF ARTS

Dean: Steven Higginbotham | 520.206.6690 | shigginbotham2@pima.edu

Department Head: Patti Gardiner | 520.206.6914 | pgardiner@pima.edu

Program Advisor: Adrian Smith | 520.206.6856 | asmith117@pima.edu

GROUP ADVISING SESSIONS

Signup: pima.edu/artshumanitiesadvising

For more info → pima.edu/digital-game-aas

LEARN MORE NOW

➔ More about Pima Community College:
pima.edu

➔ PCC on social media:
pima.edu/social



PimaCommunityCollege

/// Keep striving.

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Governing Board

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Chancellor Lee D. Lambert, J.D.

Accreditation: Pima Community College District (4905 E. Broadway Blvd., Tucson, AZ 85709, 520-206-4500, www.pima.edu) is accredited by the Higher Learning Commission (30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, 800-621-7440, hlcommission.org). Certain programs are also accredited or certified by specialized agencies recognized by the Arizona Department of Education and/or the U.S. Department of Education.

Pima Community College is an equal opportunity, affirmative action employer and educational institution committed to excellence through diversity. Upon request, reasonable accommodations will be made for individuals with disabilities to support access to all programs and services. Every effort will be made to provide reasonable accommodations in a timely manner. For student, public and employee accommodation requests and for information related to the ADA compliance process, please contact 504-ADA-help@pima.edu, 520-206-6688, or West Campus Room C130, 2202 W. Anklam Road, Tucson, AZ 85709-0095.

The PCC-Department of Public Safety maintains an Annual Crime Statistics and Clergy Crime Act Report for the previous three years. To obtain this report, call (520) 206-2671 or go to www.pima.edu/dps/reports.