Digital Game and Simulation

Associate of Applied Science

PimaCommunityCollege

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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

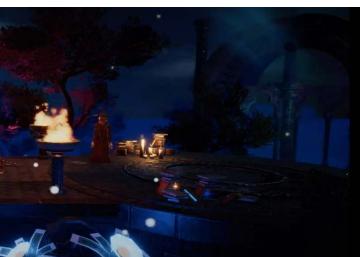CIS 131   Programming and Problem Solving II

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
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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

NORTHWEST CAMPUS

EL RIO LEARNING CENTER

WEST CAMPUS

DOWNTOWN CAMPUS

DISTRICT OFFICE

29TH STREET COALITION CENTER

DAVIS-MONTHAN AIR FORCE BASE EDUCATION CENTER

EAST CAMPUS

EL PUEBLO LIBERTY LEARNING CENTER

DESERT VISTA CAMPUS

AVIATION TECHNOLOGY CENTER

MAINTENANCE & SECURITY

PimaCommunityCollege

▰▰▰ **Keep striving.**

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