

DESIGN MEDIA ART – INTERACTIVE ART & DESIGN – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code: 0614.00

Interactive Art & Design is a field where art and design practices meet technology. Entry-level employment in fields like web design, interaction design, graphic design, game design, creative coding, entertainment, and mobile apps. Emphasis on interdisciplinary teamwork and collaboration. Students will develop a portfolio and participate in a shared incubator course with all Design/Media Arts students.

Required: Students must select 3 courses (9 units) from any of the emphases to complete the certificate.

All courses in this certificate require literacy and proficiency in writing and math. Projects require written, oral, and visual presentations as well as the application of basic math principles and skills.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

1. Develop original interactive art and design content using foundational creative process, principles of interactivity, and appropriate techniques.
2. Identify essential industry competencies and explore applications and learning resources to identify practical approaches to problem-solving.
3. Strategize and manage efficient design and production workflows.
4. Demonstrate the ability to work in teams effectively.
5. Communicate interactive art and design projects effectively through appropriate verbal, written and visual techniques.

Requirements for the Certificate of Achievement

Code	Title	Units
Required Foundation Courses		
DMA 002 or DMA 004	HISTORY OF DESIGN AND MEDIA ARTS HISTORY OF DIGITAL GAMES	3
DMA 012	DIGITAL ART: PAINTING & DRAWING	3
DMA 070 or DMA 072	MOTION GRAPHICS 2D ANIMATION	3
Emphasis		
Select three courses from any of the following:		9
Options for Web Design & Development		
DMA 050	WEB DESIGN & DEVELOPMENT	
DMA 032	INTERACTION DESIGN	
DMA 062	CREATIVE CODING FOR THE INTERNET	
Options for Interaction Design & User Experience (UX)		

DMA 032	INTERACTION DESIGN	
DMA 034	USER EXPERIENCE DESIGN (UX)	
DMA 064	CREATIVE CODING FOR MOBILE DEVICES	
Options for Game Design & Development		
DMA 090	GAME DESIGN I	
DMA 092	GAME DESIGN II: GAME ENGINES	
DMA 080A	3D MODELING & SCULPTING or DMA 080E 3D ANIMATION & SIMULATIONS	
Options for Creative Coding		
DMA 060	CREATIVE CODING	
DMA 062	CREATIVE CODING FOR THE INTERNET	
DMA 064	CREATIVE CODING FOR MOBILE DEVICES	
Required Capstone Course		
DMA 098 or ART 075	DESIGN/MEDIA ARTS INCUBATOR EXHIBITION AND PRESENTATION OF VISUAL ART	3
Total Units		21

Recommended Electives

Code	Title	Units
ART 011A	FOUNDATION DRAWING	3
ART 015	SKETCHING FOR DESIGN	3
ART 031A	COLOR AND COMPOSITION-TWO DIMENSIONAL DESIGN	3
BUS 116	ENTREPRENEURSHIP	3
CINE 026A	BEGINNING ELECTRONIC FILMMAKING	3
DMA 020A	GRAPHIC DESIGN I	3
SPCH 001 or SPCH 001H	FUNDAMENTALS OF SPEECH HONORS FUNDAMENTALS OF SPEECH	3
SPCH 010	INTERPERSONAL COMMUNICATION	3
TVR 002A	BEGINNING AUDIO PRODUCTION	3
TVR 019	INTRODUCTION TO MEDIA AESTHETICS AND CINEMATIC ARTS	3

Visit Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/569653cf-54a0-404a-870a-73a04dc48267/programs/fe60d6d9-8482-2423-4146-0fe409d095f7/>) for a suggested sequence of courses.

General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)