

VIRTUAL PRODUCTION IN CINEMA - ASSOCIATE IN SCIENCE, CERTIFICATE OF ACHIEVEMENT

Top Code:

0612.20

The Virtual Production in Cinema program prepares students to work in the emerging and fast-growing area of Virtual Production in Film and Television production. This combines traditional filmmaking techniques with the new technologies of high-resolution interactive projection and LED background environments that can interact with and respond to moving cameras and live action performance. Skills include importing and managing pre-created 3D background environments, and proper calibration of systems so that physical movement can be accurately tracked and replicated on screen. Possession of these skills lead to Virtual Production employment in roles such as Virtual Production Assistant, Virtual Production Supervisor, Engine Operator, Camera Tracking Technician, On-set Interactive Camera Operator, LED Technician, Data Wrangler, and Color Specialist.

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

Program Outcomes

- Acquire and apply professional-level technical knowledge in creative use of virtual production and other emerging cinema technologies to create quality works of cinema.
- Operate the tools of Virtual Production in a technically and artistically sophisticated way to create complex, artistically integrated video projects.
- Analyze the technical qualities and aesthetic values that make a work of virtual production professionally competent as well as artistically meaningful.
- Collaborate effectively and professionally with colleagues in the field to become a valuable contributing member of virtual production teams in the film industry.

Requirements for the Certificate of Achievement

Code	Title	Units
CINE 026A	BEGINNING FILMMAKING	3
CINE 131	VIRTUAL PRODUCTION	3
CINE 027	CINEMATOGRAPHY	3
CINE 132	ADVANCED VIRTUAL PRODUCTION	3
DMA 102	GAMES ENGINES FOR VIRTUAL PRODUCTION	3
WEXP 001	WORK EXPERIENCE/INTERNSHIP	3
Total Units		18

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>)
- Students who have previously been awarded a bachelor's degree or higher from a U.S. institutionally accredited institution shall be deemed to have fulfilled the general education and elective course requirements for the Associate in Science degree.
- Cal-GETC (<https://curriculum.pasadena.edu/degree-certificate-requirements/#calgetctext>)
- Students with rights to the former general education patterns can complete IGETC or CSU GE in lieu of Cal-GETC. Students should consult with an Academic Counselor to determine which general education pattern to complete and may refer to an appropriate archived College Catalog (<https://curriculum.pasadena.edu/previous-catalogs/>) or www.assist.org (<https://www.assist.org/>) for more information.