

# PRODUCT DESIGN – TECHNOLOGY – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code:

1013.00

The program prepares students with an interest and strengths in technology with a portfolio to enter the product design profession as an entry-level designer. The courses develop a focused range of knowledge and skills to seek employment as a product designer with an emphasis on production. Projects emphasize creativity, function, environmental, and social concerns in addition to technical skills.

Portfolios can also be used for transfer application.

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

## Program Outcomes

- Discuss the technical aspects of the industrial design profession.
- Create hands-on projects that demonstrate basic technical design processes which include computer-aided drafting (CAD) and 3-dimensional modeling and animation.
- Analyze, evaluate and improve design projects through the critique process.

## Requirements for the Certificate of Achievement

Code	Title	Units
<b>Semester I</b>		
ART 015	SKETCHING FOR DESIGN	3
ART 016	PERSPECTIVE	3
ART 031A	COLOR AND COMPOSITION-TWO DIMENSIONAL DESIGN	3
<b>Semester II</b>		
ART 018	RENDERING	3
ART 033A	PRODUCT DESIGN APPLICATION I	3
DT 008A	INTRODUCTION TO DIGITAL DESIGN AND FABRICATION	3
<b>Semester III</b>		
ART 033B	PRODUCT DESIGN APPLICATION II	3
PHOT 030	INTRODUCTION TO DIGITAL IMAGE EDITING	3
DT 017	BUILDING DESIGN & CONSTRUCTION TECHNICAL GRAPHICS	3
<b>Semester IV</b>		
ART 033C	PRODUCT DESIGN APPLICATION III	3

DMA 080A	3D MODELING & SCULPTING	3
<b>Total Units</b>		<b>33</b>

## Recommended Electives

Code	Title	Units
ART 001A	HISTORY OF WESTERN ART - PREHISTORIC THROUGH MEDIEVAL	3
ART 011A	FOUNDATION DRAWING	3
PHOT 021	INTRODUCTION TO BLACK AND WHITE PHOTOGRAPHY	3

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/569653cf-54a0-404a-870a-73a04dc48267/programs/6c21768b-9775-b110-d8f1-659ce9fa4f65/>) 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>)