

# JEWELRY/METALWORKING – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code:

1009.10

The Jewelry/Metalworking certificate provides technical skills in Jewelry design and fabrication. Skills cover metal sawing, filing, sanding, forming, silver soldering, fusing, cold connections, patina, polishing, casting, basic stone setting, and mixed materials. Concepts cover research, sketches, models, and realization of physical metal forms by hand. Students will develop a portfolio of work that will enable them to apply for jobs in the Jewelry field.

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 and chemistry principles and skills.

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

## Program Outcomes

- Understand and apply the vocabulary of the jewelry field, tools and materials, design research, and the process of jewelry designs and constructions.
- Produce original jewelry/objects that demonstrate and understanding of design principles, fabrication, casting, and advanced jewelry/metalworking techniques.
- Analyze and evaluate the jewelry/objects utilizing the critique process.

## Requirements for the Certificate of Achievement

Code	Title	Units
<b>Semester I</b>		
ART 032A	DESIGN–THREE DIMENSIONAL	3
ART 036A	JEWELRY/METAL FABRICATION	3
<b>Semester II</b>		
ART 034A	APPLIED DESIGN I - MATERIALS AND PROCESSES	3
ART 036B	JEWELRY/METAL FABRICATION	3
<b>Semester III</b>		
ART 036C	JEWELRY CASTING	3
DT 008A	INTRODUCTION TO DIGITAL DESIGN AND FABRICATION	3
<b>Semester IV</b>		

ART 135	PORTFOLIO DEVELOPMENT OF JEWELRY AND METAL FABRICATION	3
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**Total Units** **21**

## Recommended Electives

Code	Title	Units
ART 004D	HISTORY OF MODERN ART	3
ART 015	SKETCHING FOR DESIGN	3
ART 018	RENDERING	3
ART 031A	COLOR AND COMPOSITION-TWO DIMENSIONAL DESIGN	3
ART 033A	PRODUCT DESIGN APPLICATION I	3
ART 034B	APPLIED DESIGN II- MATERIALS AND PROCESSES	3
BUS 009	INTRODUCTION TO BUSINESS	3
DT 008B	INTERMEDIATE DIGITAL DESIGN AND FABRICATION	3
DT 008C	ADVANCED SYSTEMS DESIGN AND FABRICATION	4
PHOT 021	INTRODUCTION TO BLACK AND WHITE PHOTOGRAPHY	3
PHOT 030	INTRODUCTION TO DIGITAL IMAGE EDITING	3
PHOT 031	BEGINNING DIGITAL PHOTOGRAPHY	3
PHOT 040	FASHION PHOTOGRAPHY	3

## 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>)