



# Jewelry Fabrication and Repair Technician

Certificate (18 SCH\*)

\*Semester Credit Hour

5/2024

## First Semester - 12 SCH

JLRY 1301 - Jewelry Techniques I  
JLRY 1302 - Jewelry Techniques II  
JLRY 1303 - Jewelry Techniques III  
JLRY 1304 - Jewelry Techniques IV

## Second Semester - 6 SCH

JLRY 1348 - Jewelry Repair/Fabrication I  
JLRY 1349 - Jewelry Repair/Fabrication II

## Marketable Skills

- Create jewelry from gold, silver, platinum
- Smooth soldered joints and rough spots
- Customer and Personal Service
- Jewelry Repair and Fabrication
- Casting
- Stone Setting
- Knowledge of industry tools and equipment

## Program Outcomes

- Demonstrates skills in metal fabrication techniques: layout, sawing, filing, drilling, finishing, polishing, soldering, shaping, forming, doming, wire rolling and drawing.
- Demonstrates skills in casting techniques: wax carving, injecting, spruing, treeing, investing, and casting centrifugally and by vacuum.
- Demonstrates skills in jewelry repair: sizing, chain repair, tipping, beading, pronging, and plating.
- Demonstrates skills in setting such as: single and multiple round and fancy-cut stones into various mountings styles.
- Demonstrates knowledge of industry practices and ethics.

## High School Endorsements

Business and Industry

## Expected Salary

**Texas wage data:** workers on average earn \$38,590; 10% of workers earn \$23,820 or less; 10% of workers earn \$57,500 or more.

## Additional Education Opportunities

Students may pursue an AAS in Jewelry Technology, and might also want to pursue Certifications in Gemology or CAD/CAM.

## Career Opportunities

Retail Jewelry Sales Professional; Jewelry Store Manager; Bench/Manufacturing Jeweler; Jewelry Designer; Jewelry Lab Grader/Quality Assurance Technician.