



Jewelry Technology

Certificate (48 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 - 12 SCH

JLRY 1309 - Casting I
JLRY 1348 - Jewelry Repair/Fabrication I
JLRY 1349 - Jewelry Repair/Fabrication II
JLRY 2333 - Casting II

Third Semester - 12 SCH

JLRY 1341 - Stone Setting I
JLRY 1342 - Stone Setting II
JLRY 1343 - Stone Setting III
JLRY 1344 - Stone Setting IV

Fourth Semester - 12 SCH

JLRY 2335 - Precious Metals I
JLRY 2336 - Precious Metals II
JLRY 2337 - Precious Metals III
JLRY 2338 - Precious Metals IV

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.