



Jewelry Technology

Certificate (45 SCH*)

*Semester Credit Hour 8/2020

First Semester - 12 SCH

HRGY 1301 - Jewelry Techniques I
HRGY 1302 - Jewelry Techniques II
HRGY 1303 - Jewelry Techniques III
HRGY 1348 - Jewelry Repair/Fabrication I

Second Semester - 12 SCH

HRGY 1309 - Casting I
HRGY 1341 - Stone Setting I
HRGY 1349 - Jewelry Repair/Fabrication II
HRGY 2333 - Casting II

Third Semester - 12 SCH

HRGY 1342 - Stone Setting II
HRGY 1343 - Stone Setting III
HRGY 1344 - Stone Setting IV
HRGY 2335 - Precious Metals I

Fourth Semester - 9 SCH

HRGY 2336 - Precious Metals II
HRGY 2337 - Precious Metals III
HRGY 2338 - Precious Metals IV

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Teamwork
- 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

Additional Educational Opportunities

Students can 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.