



Repair Technician

Certificate (33 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 - 9 SCH

HRGY 1342 - Stone Setting II
HRGY 1343 - Stone Setting III
HRGY 1344 - Stone Setting 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 a certificate in Jewelry Technology, and also might be interested in certifications in Gemology and CAD/CAM.

Career Opportunities

Retail jewelry sales professional; Jewelry store manager; Bench/manufacturing jeweler; Jewelry designer; Jewelry lab grader/quality assurance technician.