



Fine Mechanical Watch Repair

Certificate (36 SCH*)

*Semester Credit Hour

7/2023

First Semester - 12 SCH

HRGY 1319 - Basic Horology I
HRGY 1320 - Basic Horology II
HRGY 1321 - Basic Horology III
HRGY 1322 - Basic Horology IV

Second Semester - 12 SCH

HRGY 2301 - Intermediate Horology I
HRGY 2302 - Intermediate Horology II
HRGY 2303 - Intermediate Horology III
HRGY 2304 - Intermediate Horology IV

Third Semester - 12 SCH

HRGY 2305 - Intermediate Horology V
HRGY 2306 - Intermediate Horology VI
HRGY 2307 - Intermediate Horology VII
HRGY 2308 - Intermediate Horology VIII

Marketable Skills

- Clean, rinse, and dry timepiece parts
- Adjust timing regulators
- Customer and Personal Service
- Watch Repair
- Knowledge of industry tools and equipment
- Knowledge of industry organization and ethics

Program Outcomes

- Demonstrate skills by performing disassembly, cleaning, oiling, repair and adjustment operations on multi function mechanical movements, automatics and calendar chronographs, quartz analog and digital time pieces.
- Demonstrate skills by making tools and watch parts including turning parts on a watchmakers lathe to 1/100 mm tolerance reflecting industry standards.

High School Endorsements

Business and Industry

Additional Education Opportunities

Graduates may pursue a BAAS degree. Brand specific training through major watch companies. Watchmaker training in Switzerland. Industry specific Aircraft instrumentation service training. Industry specific Aerospace instrumentation production and technical training.

Expected Salary

Texas wage data: workers on average earn \$39,010; 10% of workers earn \$33,490 or less; 10% of workers earn \$60,330 or more.

Career Opportunities

Watchmaker; Watch and Clock Sales; Aerospace Instrument Technician; Watch Repair Shop Owner; Aircraft Instrument Technician.