

Jewelry Gemology

- Certificate—15 credits

What You Will Learn

MCTC's Jewelry Gemology certificate program prepares you to use a variety of gemological instruments to analyze and identify gemstones such as diamonds, rubies and emeralds, and to distinguish natural from synthetic stones.

You will study the history and folklore of diamonds and colored stones, the scientific properties of colored stones, methods of grading diamonds, and identification of stone treatments and enhancements. You also will learn how to use gemological instruments such as binocular microscopes, refractometers, Prism 1000 Spectroscopes, dichroscopes and polariscopes.

In addition to hands-on training, you will receive preparation related to jewelry store operation, sales techniques, visual merchandising, retail trends, advertising techniques and Federal Trade Commission guidelines for the jewelry industry.

MCTC's Jewelry Gemology program is the only one of its kind in an institution of higher learning in the Upper Midwest. Experienced and certified faculty ensure that graduates have the technical knowledge to become valued members of the profession and that they are prepared to practice with the integrity required to handle rare and valuable gems every day.

Jewelry gemology work requires good eyesight, color identification (cannot be color blind), and good hand-eye coordination. To participate in the program, you must purchase some hand tools and minor supplies.

Where You Could Work

- Jewelry stores
- Wholesale diamond dealers
- Wholesale colored stone dealers
- Art boutiques
- Jewelry manufacturers
- Jewelry wholesalers
- Insurance companies

Students are accepted into this program both fall and spring semesters.

Courses in this program require achievement of the following academic skill levels:

- **Reading:** To enroll in program courses, students must have successfully completed READ 0100 or be placed into READ 0200 or be placed or have faculty recommendation into ESOL 0052.

Jewelry Gemology Certificate

Credits: 15

The Jewelry Gemology certificate requires satisfactory completion of the following five courses:

Course #	Course Name	Credits
JLRY 1810	Basic Gemology	3.00
JLRY 1811	Advanced Gemology	3.00
JLRY 1820	Diamonds	3.00
JLRY 1825	Diamond Grading	3.00
JLRY 1830	Fundamentals of Retail Jewelry	3.00

First semester courses will generally be selected with the assistance of a counselor or advisor during Orientation. Students are encouraged to visit with a counselor or advisor for planning beyond the first semester in the program.