



General Machinist

Diploma: NIACC

Industrial Division

Credit

33 semester hours

Contact:

Kevin Losee

(641) 422-4371

losekev@niacc.edu

Program Description

General Machinist is a two semester diploma program designed to provide in depth study and considerable hands on skills in the machine processing of a variety of metals. This one year program provides the foundation for the associate in applied science program, Tool and Die Technology.

Students become proficient in the operation of manual mills, lathes, grinders, drills, and saws as they complete increasingly complex projects while holding tight tolerances. Various pieces of precision measuring equipment (optical comparator, coordinate measuring machine, etc.) are used to check quality. Additional work in blueprint reading, heat treating, and computer numerical controlled (CNC) machining is required to complete the General Machinist Program.

Admission Requirements

- NIACC Application for Admission
- High school transcript or GED scores
- ACT scores or COMPASS assessment
- Other college transcripts

Curriculum

First Term (Fall Semester)

- BCA-119 Computer Orientation
- ENG-701 Communications I
- MAT-770 Applied Math
- MAT-771 Applied Math II
- MFG-120 Machine Trade Print Reading I
- MFG-245 Machine Theory and Operations I

Second Term (Spring Semester)

- MFG-130 Machine Trade Print Reading II
- MFG-248 Machine Theory and Operations II
- MFG-302 CNC Fundamentals
- PHY-720 Career Physics

Program Fees

Tuition & Fees	\$3,836.25
Books	\$500.00 (est.)
Other fees	\$ 1,271.00 (tools included)
Total	\$ 5,607.25 (est.)

Career Potential

Upon satisfactory completion of this program, students are awarded a NIACC diploma and can begin employment in an area of machine shop or manufacturing facility producing a wide variety of machine parts.