

The Certificate program is intended to provide knowledge and additional training to a student already in the field of manufacturing, as well as a new student to the field who would like to increase his/her knowledge on topics such as machining, tool & die, and CNC operations.

Work and Employment

The program will allow a student to either gain entry level employment into manufacturing fields or have a student already involved in manufacturing increase his/her skill set for greater employment flexibility.

Program Contacts at Sauk Valley Community College

- Academic Advising, 815-835-6354

Total Hours Required - 23 Hours

Major Field Requirements - 23 Hours

- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- OR**
- MAT 106 - Applied Mathematics (3 Semester Hours)
 - IND 108 - Introduction to CAD (2 Semester Hours)
 - IND 118 - Mechanical Systems (3 Semester Hours)
 - IND 125 - Machining & Manufacturing Proc (3 Semester Hours)
 - IND 203 - Adv Machining & Manufac Proc (3 Semester Hours)
 - IND 207 - Computer Numerical Cont Prog I (3 Semester Hours)
 - IND 208 - Comp Numerical Control Prog II (3 Semester Hours)
 - IND 250 - Industrial Internship (1-3 Semester Hours)
 - WLD 106 - Welding Fundamentals (2 Semester Hours)

Suggested Program

First Semester - 13 Hours

- ELT 120 - Fund of Elec w/ Applied Math (3 Semester Hours)
- OR**
- MAT 106 - Applied Mathematics (3 Semester Hours)
 - IND 108 - Introduction to CAD (2 Semester Hours)
 - IND 125 - Machining & Manufacturing Proc (3 Semester Hours)
 - IND 203 - Adv Machining & Manufac Proc (3 Semester Hours)
 - WLD 106 - Welding Fundamentals (2 Semester Hours)

Second Semester - 10 Hours

- IND 118 - Mechanical Systems (3 Semester Hours)
 - IND 207 - Computer Numerical Cont Prog I (3 Semester Hours)
 - IND 208 - Comp Numerical Control Prog II (3 Semester Hours)
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- IND 250 - Industrial Internship (1-3 Semester Hours)

Footnotes

- *one credit hour required for this certificate