Program Description
The Machine Production Technologist Diploma is a one-year program designed to provide an entry level career pathway in advanced manufacturing, specific to the field of Machine Tool Technology. This diploma prepares the student for employment as a manual and Computer Numerical Controlled (CNC) machine operator or technologist. Skill development includes basic shop operations and part manufacturing. The program introduces CNC basic programming and operation of common CNC machine tools. Basic inspection of parts in conjunction with quality systems is included in the program.

The Machine Production Technologist Diploma transfers seamlessly into LSC’s Advanced Machine Production Technologist AAS Degree. Most of the courses in this program are offered on-site in a lab setting with some of the courses offered online.

Program Outcomes
- Interpret engineering drawings and prints
- Perform basic setup and operate manual metal working machines
- Write basic programs and operate CNC machine tools
- Perform mathematical calculation of shop problems
- Use basic CAD and CAM programs to support machine operations

Pre-program Requirements
To begin your career in Machine Production Technology, you need to be at a specific skill level in English/reading and mathematics.

English/Reading:
- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

Mathematics:
- A score of 33 or higher on the Elementary Algebra Skills portion of the Accuplacer, or
- Completion of MATH 0520 (or equivalent course or higher), and with a grade of “C” or better. MATH 0520 may be taken concurrently with Semester I coursework.
Machine Production Technologist Diploma - 34 credits
Program Area: Integrated Manufacturing Machine Tool (Fall 2019)

***REMEMBER TO REGISTER EARLY***

For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the professional advising team (pat@lsc.edu) or 218-733-7601

For specific information about the Machine Production Technologist Diploma, including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see the program website

- OR –

Contact Faculty Advisor, Max Udovich or 218-733-7732

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All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners. This is not a contract; Lake Superior College reserves the right to change the planner as necessary. This document is available in alternative formats upon request, by contacting Disability Services or (218) 733-7650 or MRS/TTY (800) 627-3529.