**Program Description**

The CNC Machine Programmer program is designed to prepare the student for employment as a CNC Machinist/Programmer. Skill development includes performing basic floor programming to produce a part to specifications, setup and operation of CNC machines, instruction in inspection and statistical process control, and program parts designed using a CAD/CAM computer system.

**Program Outcomes**

- Perform a basic setup and operate different types of manual metal working machines
- Write basic programs and operate different types of CNC metal working machines
- Perform mathematical calculation of shop problems
- Use basic CAD and CAM computer programs to generate CNC programs to be used on machine tools
- Interpret all basic drawings and blueprints
- Build basic machine parts and tools

---

**Pre-program Requirements**

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

**English/Reading:**
- Eligible for ENGL 1106 – College Composition I, 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 250 or higher on the Arithmetic portion of the Accuplacer.

There are other ways to qualify. Visit Course Placement (lsc.edu/course-placement) to find out more.
Machine Technology CNC Programmer AAS Degree - 71 credits
Program Area: Integrated Manufacturing Machine Tool (Fall 2024)

***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 (advising@lsc.edu) or 218-733-7601

Program Articulations
This program has excellent articulation agreements in place with various colleges and universities that allow the student to transfer most (if not all) of their credits earned in the program to Minnesota State University Moorhead, BS in Operations Management

For more information about the Machine Technology CNC Programmer AAS Degree including course descriptions, course prerequisites, and potential career opportunities, see the program website (https://degrees.lsc.edu/cnc/)

or

Contact Faculty Advisor Nathan Zobel (nathan.zobel@lsc.edu) at 218-733-7732

CIP Code: 48.0510
Minnesota State Program ID: 5588
LSC Major ID: 5394
Created: 6/9/06
AASC Approval: 3/4/15
Updated: 5/30/24

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.