

# Engineering Technology Mechanical Design & Fabrication

## CNC Machinist / Operator Technical Certificate

This technical certificate utilizes four essential core courses used in the Mechanical Design & Fabrication A.A.S. degree. The CNC machinist certificate reflects the culmination of those learned skills and proficiencies that allow a student to set-up and operate CNC machinery and turning centers at the entry level. The core courses provide training on a Haas VF-2 Mill, a Haas TL-1 Lathe, and on a CNC plasma cutter. Complete the requirements for this certificate to get a head start in the field as a CNC Machinist. There are many employment opportunities in the local and regional area in this field of study. While working on your classes you may choose to co-op to gain valuable working experiences as you learn. In addition you are building a solid foundation for the companion two-year A.A.S. degree in Mechanical Design & Fabrication. In short, this technical certificate can be completed in one semester allowing you to start a new career within a short amount of time. All the courses used in the CNC machinist technical certificate are also applicable to the Mechanical Design & Fabrication A.A.S. degree. Additional skills you will learn to enable you are aircraft sheet metal riveting; metal fabrication; manual machining and production, and MIG, TIG, and gas welding. The goal of this certificate program is to certify current technology entry level skills in the machining and fabrication industry.

**We strongly encourage that you contact the Engineering Technology Department for assistance in your decision to take coursework and in the planning of your program of study.**

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### JOB PLACEMENT INFORMATION

The percent of Manufacturing Technology graduates who have been reported as satisfying state and federal definitions of in-field job placement for the year 1999, 2000 and 2001 is 100%, 71%, and 100% respectively. For additional information about job opportunities in this field, contact the Student Job Services Office.

### Semester Sequence

### Credits

EGS 1111	Engineering Graphics .....	3
ETI 2416	Metal Working Processes (Welding & Fabrication) .....	4
ETI 2411	Manufacturing Processes (CNC Machining) .....	4
ETI 1931	Special Topics in Manufacturing.....	1

**Total Program Credits .....** 12