



Automated Machining Certificate - 16 credits

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*****REMEMBER TO REGISTER EARLY*****

Program Description

The program is designed to provide students with the knowledge and skills necessary to enter the workforce as a machinist. The program includes instruction in the use of various machine tools, including lathes, mills, and grinders. Students will also learn about the manufacturing process, including material selection, tooling, and quality control. The program is a 16-credit certificate program that can be completed in two semesters.

Required Courses

Number	Name	Credits	Term
CC	CC 101 Introduction to Machining	4	
CC	CC 102 Machine Tools	4	
CC 4	CC 103 Machine App. on	4	
CC	CC 104 Advanced Machining	4	
E	Choose elective credits from any M-CC course.	4	

Total Credits 16

*Requires a prerequisite or a concurrent course

Program Outcomes

- Identify and describe the various machine tools used in manufacturing.
- Set up and operate a lathe and mill to produce a part to print specifications.
- Identify and describe the various machine tools used in manufacturing.
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Pre-program Requirements

Completion of AA or D program or equivalent in high school or completion of English 101 or 102.

Students must have a minimum grade of C in English 101 or 102. Students who do not meet these requirements must complete the required English courses before enrolling in the program.

English/Reading:

- As a condition of enrollment, students must complete English 101 or 102 with a grade of C or better.
 - Completion of English 101 or 102 with a grade of C or better is required for enrollment in the program.
- English 101 4 credits, English 102 4 credits, English 103 4 credits, English 104 4 credits, English 105 4 credits, English 106 4 credits, English 107 4 credits, English 108 4 credits, English 109 4 credits, English 110 4 credits.



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