



# Basic Manufacturing

Certificate of Completion (CC)

Planning Guide 2017-2018

EPC 6074

## Program Information:

**Length of Program:** 20 Credits  
**Completion Award:** Certificate of Completion  
**Enrollment:** Every Quarter  
**Approximate Quarterly Costs:** \$300  
*(in addition to tuition, books and parking)*

**Website:** [www.shoreline.edu/cncmachinist/](http://www.shoreline.edu/cncmachinist/)

## Program Advisor:

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## Program Navigator:

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## Program Description:

Shoreline Community College offers a one-quarter course of study leading to a Certificate of Completion (CC) in Basic Manufacturing. The program uses the innovative I-BEST approach to instruction, so students learn math for manufacturing with extra help as needed. Students interested in advanced knowledge and skills are encouraged to enroll in a longer course of study to complete a Certificate of Proficiency (CP) or an Associate in Applied Arts and Sciences (AAAS) degree in Manufacturing. Students pursuing a four-year baccalaureate degree in Engineering should follow the Engineering Associate in Science (AS-DTA) direct transfer degree planning guide.

## Basic Manufacturing—What is it?

The Certificate in Basic Manufacturing provides students with entry-level manufacturing skills and a foundation for certificates and two-year degrees in other manufacturing specialty areas. The Certificate in Basic Manufacturing builds on the learning outcomes identified below, which are identified by Washington State employers as important components within the manufacturing industry.

### Program Outcomes:

Students who successfully complete this program – by achieving a grade of 2.0 or better – should be able to:

1. Work effectively in a manufacturing environment.
2. Demonstrate knowledge of Statistical Process Control (SPC).
3. Contribute to the maintenance of a safe and healthy work environment.
4. Read blueprints.
5. Demonstrate basic and precision measurement methods.
6. Operate machine and hand powered tools, powered and non-powered.

## Career Opportunities—What can I do with a Certificate in Basic Manufacturing?

The Certificate in Basic Manufacturing is your key to starting and advancing your manufacturing career.

Graduates may find employment in local manufacturing companies working as assemblers, packaging operators, aircraft systems assemblers, and electronic assemblers.

**Potential employers include:** Graduates of this certificate can expect to find employment working for companies such as Boeing, Kenworth Truck, Electro Impact, Jorgensen Forge, Crane Aerospace, Genie, Mikron Industries and others. For more, please visit career information and resources at <http://www.shoreline.edu/counseling-center/career-counseling.aspx>.

## Basic Manufacturing Planning Guide—2017–2018 | Certificate of Completion

**Program Prerequisites:** Placement into ENGL 080, EAP 090, or EAPAB 090, and MATH 070. ESL students should be at a level 4 or 5 to enter the program.

### CERTIFICATE OF COMPLETION – 20 Credits

PROGRAM REQUIREMENTS			
Course	QTR	GR	CR
MFGT 105 Basic Manufacturing (Certificate in Basic Manufacturing)			20

Note: Every effort has been made to ensure the accuracy of the information in this publication. However, the information is subject to change without notice and final career decisions are the responsibility of the student.

### RECOMMENDATIONS:

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### CERTIFICATE COMPLETION

*Students should automatically receive their Certificate after successful completion of all required courses. If you have not received your Certificate, please contact the Workforce Education Programs in FOSS 5100 or call 206-546-5876.*