

The certificate of proficiency and the technical certificate programs give the student the opportunity to earn certificates while completing steps toward an Associate of Applied Science degree.

2019-2020



## TECHNICAL CERTIFICATE PLAN MACHINING TECHNOLOGY

Degree Code: 1495; CIP Code: 48.0510

All technical certificate-seeking students must meet the freshman assessment and placement requirements.  
If deficiencies exist, the student must complete the required CPT courses.

**A 2.0 GPA is required for graduation from the  
Technical Certificate in Machining Technology program.**

**ATTENTION STUDENTS: PLEASE SEE CURRENT CATALOG FOR  
ALL FEES AND CHARGES ASSOCIATED WITH THIS CERTIFICATE.**

Machinists are precision instrument makers who fabricate, modify, or repair mechanical instruments. They may also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, mathematics, metal properties, layout, and machining procedures.

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Advisor: \_\_\_\_\_ Student ID# \_\_\_\_\_

<u>COURSE CODE</u>	<u>COURSE NAME</u>	<u>CREDIT HOURS</u>	<u>HOURS COMPLETED</u>
<b>General Education</b> (3 credit hours)			
ENG 1003	Composition I (must earn a "C" or better), <b>OR</b>		
ENG 1103	Career Writing (must earn a "C" or better)	3	_____
<b>Machining Core</b> (30 credit hours)			
MACH 1002	Metallurgy	2	_____
MACH 1004	Introduction to Machining	4	_____
MACH 2004	Machining I	4	_____
MACH 2014	Machining II	4	_____
MACH 2018	CNC Set-up, Operations and Programming	8	_____
TECH 1044	Computer Aided Design (CAD)	4	_____
TECH 2154	Industrial Mechanical Systems	4	_____

**Program Total 33 Hours**