

# COMPUTER NUMERIC CONTROL MACHINING, ADVANCED CERTIFICATE

College(s): WR\*

Program Code: 0725

*\*As of Spring 2023, this program is no longer accepting new students. Please see CCC's other manufacturing offerings.*

The Advanced Certificate program in Computerized Numerical Control is designed for the study of the basic principles of machine tool technology incorporating basic computer applications to the manufacturing industry, including CNC programming and computer integrated manufacturing (CAD/CAM). The Advanced Certificate program prepares students for roles as CNC tool programmers, operators, setters, as well as tool and die setters. The program is appropriate for career changers, high school graduates, general education diploma holders, and machining workers with a need to enhance their careers.

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
ENGLISH 101	Composition	3
MATH 125	Introductory Statistics	4
340MFGT 111	Machining Processes I	3
340MFGT 112	Machining Processes II	3
340MFGT 123	CNC Milling Operations & Programming	3
340MFGT 137	CNC Turning Operations & Programming	3
340MFGT 138	Intro to Solidworks	3
340MFGT 139	Print Requirements-Quality Assurance	3
340MFGT 140	CNC Fundamentals	3
340MFGT 143	Advanced Metrology	3
340MFGT 144	Wire Electrical Discharge Machining	3
340MFGT 207	Introduction to MASTERCAM	3
<b>Total Hours</b>		<b>37</b>