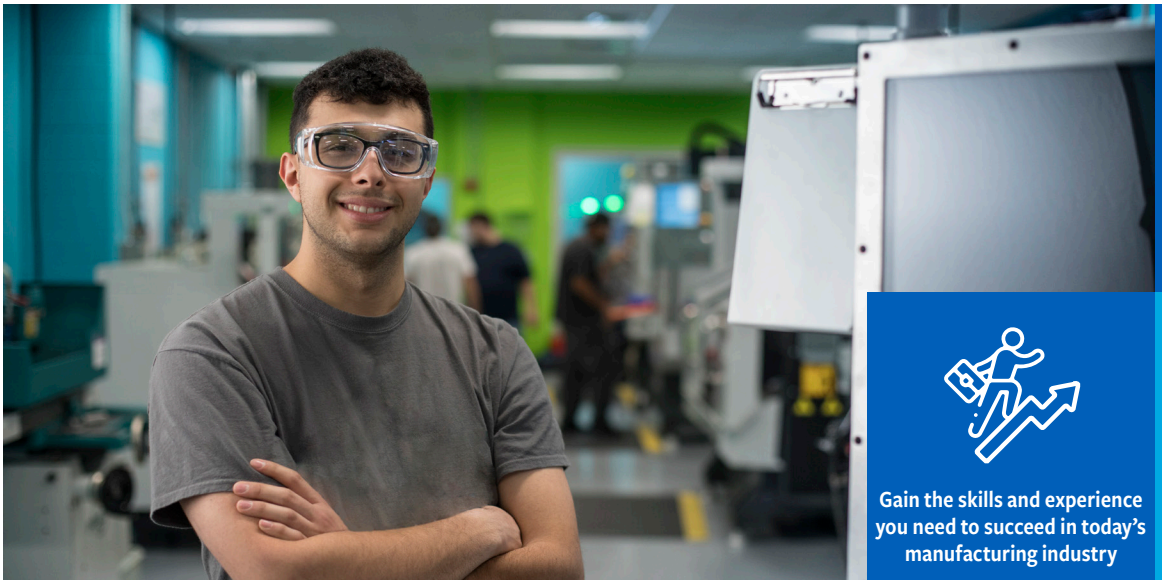

Secure your future in an in-demand field

Gain the skills and experience you need to succeed in today's manufacturing industry

Our program will get you trained and working quickly

Associate Degree in CNC Machining

Train to become a CNC Machinist

With changing trends in today's Manufacturing Workforce, a new breed of professionals is needed to step up and lead the way. Goodwin's associate degree in CNC Machining is designed to put you on track for a rewarding career in this in-demand field.

This program integrates an understanding of the manufacturing processes, knowledge of materials, and a working comprehension of manufacturing mathematics. You'll also gain competence in technical drawings, specifications, and computer-aided machining.

Combined classroom instruction and hands-on operation of our state-of-the-art CNC 3-axis milling and turning machines will provide you with the knowledge and machining experience you'll need to be successful in the industry. In this program, you will also gain an in-depth understanding of advanced Mastercam skills needed for programming tool location, motion, and feeds and speeds.

If you choose to continue your education further, the credits you earn in this program can be applied toward a bachelor's degree in Manufacturing Management at Goodwin University.

Manufacturing is at the forefront of today's most viable options for employment. Goodwin University is ready to help you take the first step toward your new career as a CNC Machinist.

Goodwin University

For more information, contact:

Call: 800-889-3282

Text: 860-467-1511

goodwin.edu/manufacturing

Associate Degree in
CNC Machining

General education core requirements: 21-22 credits		
ENG 101	English Composition	3
ENG 1XX	English Elective	3
MATH 1XX	Mathematics (MATH 130 or higher)	3
	Science (BIO, CHEM, SCI)	3-4
	Social Science (PSY or SOC)	3
	Humanities (HIS, PHIL, SPAN, HUM)	3
	General Education Elective	3
Non-major core requirements: 3 credits		
CAP 115	Learning and Working Through Digital Technologies	3
Major core requirements: 36 credits		
Freshman year		
BMM 101	Key Principles of Manufacturing	3
BMM 110	Technology in Advanced Manufacturing	3
OS 101	Team Dynamics and Individual Skills	3
BMM 222	Technical Drawings and Specifications	3
BMM 140	Principles in Manufacturing Mathematics	3
BMM 175	CNC Machining	3
Sophomore year		
BMM 220	Materials and Processes in Manufacturing	3
BMM 275	CNC Machining II	3
BMM 240	CAM I	3
BMM 276	CNC Machining Applications	3
BMM 241	CAM II	3
BMM 1XX	Directed Elective*	3

Total credits: 61-62

*Directed elective credits may be from any School of Business, Technology, and Advanced Manufacturing course, unless directed by the program. Directed elective courses contain the following prefixes: BUS, OS, and BMM at the appropriate level.

Specific careers and professions available to the graduates of this program:

- CNC machine programming
- CNC machine set-up
- CNC machinist (lathe and mill)
- CNC operator (lathe and mill)
- Manual machine operator

Goodwin University is a nonprofit institution of higher education and is accredited by the New England Commission of Higher Education (NECHE).

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Last Modified 10/24/25