



Certificate in CNC Machining, Metrology, and Manufacturing Technology

Your fast track to immediate job opportunities in manufacturing

Companies across the state are in immediate need of well-trained industry professionals to join their workforce. If you are a dedicated worker willing to rise to the challenge, our 37-credit accelerated certificate program in CNC Machining, Metrology, and Manufacturing Technology is the right program for you.

Choose the schedule that's right for you

Full-time day program

We know you're eager to get out there and start working. That's why we've joined forces with Connecticut manufacturers to make our full-time day program shorter in length — and less expensive — than other schools, to get you working in the field in no time. Take classes full-time in as few as five months and gain the career-focused training to land an in-demand job in the industry. Classes are held Monday through Friday 8 a.m. – 3 p.m.

Part-time evening program

Need a program option that's a bit more flexible? No worries. For your convenience, we offer an evening program that can be completed in just four semesters. Classes are held Monday through Wednesday from 6 – 9 p.m.



Certificate in CNC Machining, Metrology, and Manufacturing Technology

Full-time day program curriculum

Mod 1

BMM 100	Introduction to Manufacturing	3
BMM 140	Principles in Manufacturing Mathematics	3
BMM 175	CNC Machining	3
BMM 222	Technical Drawings and Specifications	3
BMM 224	Metrology and Calibration	3

Mod 2

BMM 210	Lean Manufacturing Principles	3
BMM 220	Materials and Processes in Manufacturing	3
BMM 240	CAM I	3
BMM 275	CNC Machining II	3

Mod 3

BMM 229	Advanced Metrology and Calibration	4
BMM 241	CAM II	3
BMM 276	CNC Machining Applications	3

Total Credits: 37

Part-time evening program curriculum

Semester 1

BMM 100	Introduction to Manufacturing	3
BMM 140	Principles in Manufacturing Mathematics	3
BMM 222	Technical Drawings and Specifications	3

Semester 2

BMM 175	CNC Machining	3
BMM 224	Metrology and Calibration	3
BMM 240	CAM I	3

Semester 3

BMM 210	Lean Manufacturing Principles	3
BMM 241	CAM II	3
BMM 275	CNC Machining II	3

Semester 4

BMM 220	Materials and Processes in Manufacturing	3
BMM 229	Advanced Metrology and Calibration	4
BMM 276	CNC Machining Applications	3

Total Credits: 37

Goodwin University is a nonprofit institution of higher education and is accredited by the New England Commission of Higher Education (NECHE), formerly known as the New England Association of Schools and Colleges (NEASC).