Earn your degree as a part- or full-time student

Customize your degree with 3 unique concentrations

Open doors to hands-on job opportunities with high earning potential

Associate of Science in

Manufacturing Engineering Technology

Achieve an in-demand career in an innovative field

In the dynamic field of manufacturing, there's no limit to where your career can take you. At Goodwin University, our Manufacturing Engineering Technology program is designed for you. As you pursue your degree, you'll gain a strong foundation in manufacturing processes and technologies — preparing you to become a sought-after professional in an in-demand field.

A hands-on education for an exciting future

If you're seeking a career at the intersection of innovation, opportunity, and creativity, look no further than manufacturing. Essential to the success of every industry, the manufacturing field is diverse and dynamic. When you earn your Associate of Science (AS) in Manufacturing Engineering Technology, you develop the foundational knowledge and practical skills necessary to thrive from classroom to career. With a comprehensive curriculum, expert instruction, and hands-on learning with state-of-the-art equipment, you will hone your abilities in a collaborative and engaging educational environment.

Flexible learning that puts you first

At Goodwin, our Manufacturing Engineering Technology faculty will meet you wherever you are as a learner. Through Universal Design for Learning, your instructors will help remove barriers from your classroom experience — making your studies engaging and accessible. By teaching with your unique strengths and interests in mind, our faculty will make your time in the classroom all the more meaningful.

Goodwin University

For more information, contact:

Call: 800-889-3282

Text: 860-467-1511

goodwin.edu/met

Associate of Science in

Manufacturing Engineering Technology

General education core requirements: 22 credits		
ENG 101	English Composition	3
ENG 1XX	English Elective	3
MATH 1XX	Mathematics (MATH 125 or higher)	3
	Science (BIO, CHEM, SCI, or PHY)	4
	Social Science (PSY or SOC)	3
	Humanities (HIS, PHIL, SPAN, or HUM)	3
	General Education Electives*	3
Manufacturing Engineering Technology major core requirements: 27 credits		
BMM 181	Introduction to Mechatronics	3
BMM 183	Basic Electrical	3
BMM 187	Mechanical Drives & Kinematics	3
BMM 190	Computer-Aided Design - CAD (Solidworks)	3
BMM 189	Electrical Schematics	3
BMM 210	Lean Manufacturing	3
BMM 220	Materials and Processes in Manufacturing	3
BMM 222	Technical Drawings and Specifications	3
BMM 226	Principles of Quality Management	3
Concentration in Computer-Aided Design (CAD): 12 credits		
BMM 191	Advanced Solidworks	3
BMM 240	CAM I	3
BMM 241	CAM II	3
BMM 293	CMM Programming	3
Concentration in Mechatronics: 12 credits		
BMM 185	Hydraulics & Pneumatics	3
BMM 285	Industrial Electrical Maintenance	3
BMM 289	Machining & Pipe Fitting	3
BMM 240	CAM I	3
Concentration in Robotics and Automation: 12 credits		
BMM 281	Motor Controls	3
BMM 283	PLCs	3
BMM 287	Industrial Robots	3
BMM 291	Robotics and Automation Programming	3

Total credits: 61

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

Personalize your path to professional success

We know life doesn't pause when you pursue your degree. That's why our Manufacturing Engineering Technology program is offered full or part-time — so you can tailor your schedule to your unique needs. Classes are offered in the evenings — helping you balance your personal and professional priorities with your academic journey.

Choose a specialty that suits you

As you work towards your Manufacturing Engineering Technology degree, you will have the freedom and flexibility to focus on one of three concentrations — developing a deeper understanding of the specialty that suits you best.

Available concentrations include:

- Computer-Aided Design (CAD)
- Mechatronics
- Robotics and Automation

Career outcomes

Completing your AS in Manufacturing Engineering Technology will help you achieve the job stability you deserve. When you graduate, you'll be ready to pursue hands-on professional roles, including:

- Chemical manufacturing
- Computer-aided designer
- Computer and electronic product manufacturing
- Drafting
- Industrial service technician
- Machinery manufacturing
- Professional, scientific, and technical services
- Robotics and automation technician
- Transportation equipment manufacturing
- And more!

Achieving your AS in Manufacturing Engineering Technology will also open doors to advanced educational opportunities, such as earning your bachelor's degree in a related field.

*Elective credits may be from any General Education course unless directed by the Program. General Education courses contain the following prefixes: ENG, MATH, STAT, CAP, COM, BIO, CHEM, SCI, HIS, HUM, PHIL, SPAN, PSY, and SOC.

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