



Certificate in Mechatronics

Lead the next industrial revolution

In our two semester, full-time, 36-credit Mechatronics certificate program, students will combine mechanical, electrical, computer, and software skills to prepare for positions operating and maintaining the electro-mechanical, computer-controlled systems commonly found in automated manufacturing environments.

The Mechatronics program is designed so participants may rotate between practice (workplace) and theory (classroom) throughout the program.

Curriculum		
Mod 1		
BMM 181	Introduction to Mechatronics	3
BMM 183	Basic Electrical	3
BMM 140	Principles in Manufacturing Mathematics	3
Mod 2		
BMM 185	Hydraulics and Pneumatics	3
BMM 187	Mechanical Drives and Kinematics	3
BMM 190	Computer Aided Design (CAD)	3
Mod 3		
BMM 189	Electrical Schematics	3
BMM 281	Motor Control	3
BMM 287	Industrial Robotics	3
Mod 4		
BMM 283	Programmable Controllers	3
BMM 285	Industrial Electrical Maintenance	3
BMM 289	Machining and Pipe Fabrication	3

Total credits: 36

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).