

Mechatronics I

Certificate in Industrial Technology

Entrance Requirements:

Acceptable Asset or Compass score

Type of Program:

Day or night

Type of Degree:

Certificate

Employment Opportunities:

- This is a new interdisciplinary field involving control systems, electronic systems, computers, robotics, and mechanical systems. Students who successfully complete this course of study may be employed by high tech industries throughout the Upstate and beyond.
- Courses taken under this certificate can be applied toward the associate degree program.
- This program is located at Greenville Tech's Brashier Campus.
- This program is designed to teach the skills required for the Mechatronics technician in the 21st century's high tech world of automated manufacturing. The program trains students in industrial environments using electrical, electronic, and mechanical applications to identify and troubleshoot Mechatronics systems and repair automated manufacturing equipment, programmable logic controllers (PLC's), and robotics.

Recommended Program Schedule

First Semester – Fall

EEM 117	AC/DC Circuits I	4.0
IMT 112	Hand Tool Operations	3.0
CPT 101	Introduction to Computers	3.0
MAT 155	Contemporary Mathematics	3.0

Second Semester – Spring

IMT 102	Industrial Safety	2.0
IMT 104	Schematics	2.0
IMT 131	Hydraulics & Pneumatics	4.0
AMT 105	Robotics & Automated Control I	3.0

Third Semester – Summer

EEM 151	Motor Controls I	4.0
IMT 161	Mechanical Power Applications	4.0

Total credit hours **32.0**

Note: Please contact program advisor for recommended evening schedules.