

# Industrial Maintenance Technology Associate in Industrial Technology

## Entrance Requirements:

Acceptable ASSET or COMPASS score and high school diploma or equivalent

## Type of Program:

Day or night

## Type of Degree:

Associate degree

## Employment Opportunities:

Industries with production and/or automation, manufacturing equipment

- This program prepares students to inspect, diagnose, repair, service, and install electro-mechanical equipment, automated manufacturing, and packaging machinery. It will also enable students currently employed in the field to develop additional knowledge and skills which will enhance their ability to perform duties as technicians in industrial and service organizations.
- This program is located at Greenville Tech's Brashier Campus.
- To graduate with an associate degree, candidates must meet the computer competency requirement by taking CPT 101. (EGR 130 may be substituted with departmental approval.)

## Recommended Program Schedule

### *First Semester – Fall*

IMT 104	Schematics	2.0
IMT 112	Hand Tool Operations	3.0
IMT 140	Industrial Electricity	5.0
MAT 170	Algebra, Geometry, and Trigonometry*	3.0
	or	
MAT 155	Contemporary Mathematics*	

### *Second Semester – Spring*

IMT 131	Hydraulics and Pneumatics	4.0
EEM 151	Motor Controls	4.0
IMT 161	Mechanical Power Applications	4.0

### *Third Semester – Summer*

EEM 215	DC/AC Machines	3.0
IMT 120	Mechanical Installations	5.0
	Social Sciences Elective+	3.0

### *Fourth Semester – Fall*

AMT 102	Computer Controlled Machinery	4.0
AMT 208	Manufacturing Automation	4.0
CPT 101	Introduction to Computers	3.0
	Humanities Elective+	3.0

***Fifth Semester – Spring***

AMT 103	Sensors	3.0
AMT 105	Robotics and Automated Controls I	3.0
ENG 165	Professional Communications*	3.0
	General Education Elective+	3.0

***Sixth Semester – Summer***

AMT 201	Failure Analysis	4.0
AMT 205	Robotics and Automated Controls II	3.0
WLD 142	Maintenance Welding	3.0

**Total credit hours** **72.0**

\* ENG 165 may be substituted with ENG 101 or higher and SPC 205 or higher.

+See General Education course listing in this catalog.

Note: Please contact program advisor for recommended evening schedules.