

### Application Process

1. MTC Application for Admission and nonrefundable applicable fee.
2. Final high school transcript (or GED results) and college transcripts (if applicable).
3. Successful completion of the Basic Skills Assessment (COMPASS) and Technology Skills Test is required. Any College Foundation courses suggested by COMPASS results are also required.
4. COMPASS math score of 41 or above required to take the first mathematics course in the engineering program.

### Career Opportunities

Maintenance Technician  
Entry-level Mechatronics Technician  
Manufacturing Associate

### The Program - Robotics Technician

Prepare students to install, repair, and maintain a wide variety of communications equipment and interconnectivity components in both internal network structures and outdoor settings.

### What Is Robotics?

Robotics is the combination of various engineering disciplines (specifically involving mechanical, control & electronic systems, and computer networks) taught to create a more well-rounded technician who will ultimately design and manufacture useful products.

### Students in the program will learn ...

To perform routine maintenance.

Diagnosis

Repairs

Installation (involving electrical, mechanical and control systems).

To work in a manufacturing environment.

## Robotics Certificate

*1-Year Technical Certificate  
(Effective Academic Year 2017-18)*

Course No	Course Title	Credits	OTM, TAG, CT <sup>2</sup> approved course	Term(s) Offered	Pre-Requisites
<b>FIRST SEMESTER (Fall)</b>					
GET 1000	Intro to Engineering	2	X	FA, SP	Placement or ENG0970
EET 1000	Intro to Electricity	2		FA, SP	Placement or ENG0970
EET 2010	Intro to Programmable Controllers	2		FA, SP	EET1000
EET 2400	Robotics I	2		FA, SP	EET1000
TMT 1110	Applied Technical Math	3		FA, SP	Placement or MTH0920
OIS 1240	Computer Applications I	3	X	All	Placement or OIS1200
<b>SECOND SEMESTER (Spring)</b>					
EET 2060	Advanced Programmable Controllers	3		FA, SP	EET2010
EET 2460	Robotics II	3		FA, SP	EET2400
EET 1300	Robot Handling Tool Operations and Programming	1		SP	EET2400
MET 1010	Technical Drawing w/CAD	3		FA, SP	Placement or ENG0970
MET 1500	Mechanical Drives	3		SP	MET1010; TMT1110 (conc.)
MET 2100	Fluid Mechanics	3		SP	None
<b>Credit Hour Total</b>		<b>30</b>			

**Occupational Certification Opportunities:**

FANUC Certified Education Robotics Training (CERT)