

### **Certificate in Automated Systems Technology – Mechatronics**

CIP 15.0303 – Electrical, Electronic and Communications Engineering Technology/Technician

#### **Macomb Program Information**

##### **Classification of Industry Program**

- 15.0303 – Electrical, Electronic and Communications Engineering Technology/Technician

##### **Program Level**

- Undergraduate Certificate

##### **Program Length\***

- 20 months

##### **Cost of Program\*\***

- Total tuition and fees for entire program: \$5,436
- Estimated cost of books and supplies for entire program: \$2,170

<http://www.macomb.edu/TuitionFees>

##### **Debt at Program Completion**

- Number of students who completed program in 2009-10: 0
- Number of completers with any student loan debt: 0
- Median federal debt: \$0
- Median private debt: \$0

##### **Program Completion in Normal Time**

- Normal time to complete program: 20 months
- Percent of students completing program in normal time: No program completers in 2009-10.

##### **Job Placement**

- Job placement data is not required for this program.

*\*Program length and normal time to completion are calculated by the student attending fall and winter semesters and completing 24 credits during each 12-month period.*

*\*\*Tuition and fees are based on the 2011 in-district rate for on-campus classes. Estimated cost of books and supplies is \$47.17 per credit based on the college's published average of \$1,132 per year for full-time (24 credits).*

#### **CIP Information**

##### **CIP Description**

A program that prepares individuals to apply basic engineering principles and technical skills in support of electrical, electronics and communication engineers. Includes instruction in electrical circuitry, prototype development and testing, systems analysis and testing, systems maintenance, instrument calibration, and report preparation.

##### **Jobs Related to this CIP**

(Job information from Federal O\*NET Website)

Electrical and Electronic Engineering Technicians

<http://www.onetonline.org/link/summary/17-3023.00>