

Moberly Area Community College

Gainful Employment Program Disclosure Form

<p><u>Name of Certificate Program</u> Industrial Technology-Mechatronics</p>	<p><u>Program Description</u> MACC's certificate program in Industrial Technology-Mechatronics prepares students to be electrical and mechanical technicians who can troubleshoot, maintain, and repair mechanical equipment for today's highly integrated and automated manufacturing facilities. Courses include intensive hands-on lab components and are designed to create a cross-trained technician with skills in electrical systems, motor control, hydraulics and pneumatics, programmable logic controllers, safety, and quality control.</p>
<p><u>CIP Code</u> 47.303</p>	<p><u>Credential Level</u> Certificate (Certificates are granted upon successful completion of all required courses plus directed elective courses totaling a minimum of 32 credit hours.)</p> <p>MACC also offers an Associate of Applied Science in Industrial Technology-Mechatronics.</p>
<p><u>Program Length:</u> Approximately one academic year (2 semesters)</p>	
<p><u>Potential Job Titles/Occupation</u> Electrical and Electronic Repair Technician Industrial Machinery Mechanics; Helpers--Installation, Maintenance, and Repair Workers; Industrial Production Managers</p>	<p><u>U. S. Department of Labor's Standard Occupational Classification (SOC) Code</u> 49-2094.00 49-9041.00 49-9098.00 11-3051.00</p>
<p><u>U. S. Department of Labor's O*NET Occupational Profile</u> http://www.onetonline.org/link/summary/49-2094.00 http://www.onetonline.org/link/summary/49-9041.00 http://www.onetonline.org/link/summary/49-9098.00 http://www.onetonline.org/link/summary/11-3051.00</p>	<p><u>Cost of Tuition and Fees for Program</u> (2013-2014 regular rates, includes \$6.00 per credit hour Student Activity/Support Service fee and \$5.00 per credit hour Technology fee.)</p> <p>In-district resident: \$93/credit hour * 32 credit hours = \$2,976 Other Missouri residents: \$130/credit hour * 32 credit hours = \$4,160 Out-of-State resident: \$186/credit hour * 32 credit hours = \$5,952 International students: \$199/credit hour * 32 credit hours = \$6,368</p> <p>Online and Hybrid courses have additional fees. Please visit our Business Office website for more information about tuition and fees: http://www.macc.edu/index.php/fees-and-tuition-bus</p>
<p><u>Job Placement Rate for Program Completers</u> No data available.</p>	<p><u>Average Cost of Books and Supplies for the entire one-year program (2 semesters)</u> \$1,200</p>
<p><u>On-Time Graduation Rate for Program Completers</u> New program; no data available.</p>	<p><u>Average Room and Board Expenses for the entire one-year program (2 semesters)</u> On-campus housing with meal plan: \$3,900 With Parent: \$2,400 Without Parent: \$7,200</p>
<p><u>Median Title IV (Federal) Student Loan Debt Incurred by Program Completers</u> \$0.00</p>	<p><u>Median Non-Title IV (Federal) Student Loan Debt and Institutional Financing Plan Debt Incurred by Program Completers</u> \$0.00</p>



Certificate Program, Industrial Technology-Mechatronics/Financial Aid Form

1. **Institution Name:** Moberly Area Community College

2. **OPEID:** 00249100

3. **Program Name(s) and Program CIP Code:** Industrial Technology-Mechatronics Certificate, 47.303

4. **Program Description:** An advisory committee was formed with industry representatives and representatives of Moberly Area Community College (MACC) for the purpose of designing the Industrial Technology-Mechatronics program to meet the demand for individuals requiring knowledge of control systems, electronic systems and mechanical systems towards the integration of troubleshooting and maintenance skills needed for automated manufacturing processes in the industrial environment. This is corroborated by data from the Missouri Economic and Research Information Center which notes that central Missouri will have a 8.47 percent increase in the number of Mechanical Engineering Technicians and related careers. The need for mechatronics technicians in central Missouri has become even more critical with the growth of automated manufacturing in the Columbia, Missouri area.

5. **How the program was designed to meet local market needs:** The Industrial Technology-Mechatronics degree and certificate programs grew out of a request to the regional economic development organization for a program that would train technicians in electro-mechanical skills for manufacturing jobs in central Missouri, as well as representatives from the regional economic development organization and from of MACC. Their goal was to design a program with stackable certificates leading to an AAS degree that would give for electro-mechanical technician, mechanical engineering technician, or production technician positions. Copies of advisory committee notes are on file in the office of the Dean of Career and Technical Education.

6. **Wage analysis:** Entry-level salary in central Missouri for Mechanical Engineering Technicians is \$17.24. Wage data courtesy of the Missouri Economic Research and Information Center, Jefferson City, Missouri.

7. **Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following:**

The Industrial Technology-Mechatronics Advisory Committee reviewed existing curricula and new curricula for options in creating a 32-hour certificate program that would aid individuals seeking the skills needed for electro-mechanical technicians in modern manufacturing. All course curricula changes were overseen by the MACC Curriculum Committee. Final oversight of the Industrial Technology-Mechatronics Certificates and degree included approval by the Dean of Career and Technical

Education, the MACC President's Council, the President of the College, and the Board of Trustees.

All correspondence and minutes to Advisory Committee, Curriculum Committee, President's Council, and Board of Trustee meetings are maintained in the appropriate offices on the MACC campus.

8. Date of the first day of class. Include both:

The program will start on August 21, 2013, with Title IV funds to students available to students with the Fall 2013 semester.