

Manufacturing and Technology Program - Automotive/Automated Manufacturing Technology Option

Program Mission:

The mission of the Jefferson State Community College Manufacturing and Technology Program - Automotive/Automated Manufacturing Technology Option is to prepare entry level technology professionals with a concentration in Automotive/Automated Manufacturing Technology who are competent, ethical, and have a good sense of work ethics.

Coursework includes a strong component of practical applications, hands-on laboratory experience and basic theoretical concepts. Computer applications are an integral part of the curriculum. Graduates offer their employers an immediate contribution as team players equipped with a combination of technical knowledge, problem-solving experience, and communication skills.

The Manufacturing and Technology Program will continuously pursue a highly qualified faculty which constantly strives for excellence in teaching, and which is sensitive to the educational needs and capabilities of students as well as to the changing and on-going needs of the manufacturing industry.

Program Outcomes

- Program Completion - Graduation rate will meet or exceed state viability requirement
- Program Satisfaction – At least 75% of graduates surveyed will report satisfaction with educational preparation (as indicated by very well prepared or adequately prepared on Graduate Survey/Questionnaire)
- Job Placement -75% of graduates will be employed in field or in a manufacturing technology related field within twelve months of graduating
- Employer Satisfaction - 80% of employers surveyed will indicate that graduates were adequately prepared for entry level positions (as indicated by very well prepared or adequately prepared on Employer Survey/Questionnaire)

Student Learning Outcomes

1. Recognize safety hazards in the work place and demonstrate methods to eliminate or mitigate
2. Communicate in a clear and concise manner, verbally and in writing
3. Integrate knowledge of physics, mathematics, mechanics, electronics, fluid power, computers, and programming into the fabrication, installation, testing, and servicing/troubleshooting of electromechanical systems
4. Perform the duties of an entry-level technician and assist in the design/continuous improvement of electromechanical equipment and control systems

Program Mapping:

I: Introduced in this course.

P: Practiced in this course.

M: Mastered in this course.

COURSES	PLSLO #1	PLSLO #2	PLSLO #3	PLSLO #4
AUT 104			I, P, M	I
ELM 200	I, P, M	I, P, M	I, P, M	I, P, M
MET 190	I, P, M	I, P, M	I, P, M	I, P, M
ATM 211	I, P, M	I, P, M	I, P, M	I, P, M
ATM 220	I, P, M	I, P, M	I, P, M	I, P, M
AUT 116/MET 193	I, P, M	I, P, M	I, P, M	I, P, M
AUT 262		I, P, M	I,	I.P.M
ELM 215	I, P, M	I, P, M	I, P, M	I, P, M