

Manufacturing and Technology Program - Tool & Die Maintenance Technology Option

Program Mission:

The mission of the Jefferson State Community College Manufacturing and Technology Program - Tool and Die Maintenance Option is to prepare entry level technology professionals with a concentration in Industrial Equipment 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. Perform the duties of an entry-level technician using the skills, modern hand, power, and precision measurement tools, theory, and techniques in the maintenance of machining and welding technologies
4. Assist in the design, machining, assembly, and repair of molds and dies for use in manufacturing

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	
MET 190	I, P	I, P, M	I, P, M	I, P
ATM 181	I, P	I, P, M	I, P	I, P
ATM 281	I, P, M	I, P, M	I, P, M	I, P, M
AUT 166		I, P, M	I,	
AUT 186	I, P, M	I, P, M	I, P, M	I, P, M
MET 191	I, P, M	I, P, M	I, P, M	I, P, M
MET 192		I, P, M	I, P	I, P
MET 201		I, P, M	I, P, M	
MET 233		I, P, M	I, P	I
MET 237		I, P, M	I, P, M	I, P
MET 239		I, P, M	I, P, M	I, P