



COURSE SYLLABUS

TEMM 1125

BASIC LATHE

SALT LAKE TECHNICAL COLLEGE (SLTC)

90 Clock Hours

Required Course Materials: Safety Glasses (Z87)

Textbook: Tooling U Subscription required

COURSE DESCRIPTION: This course is an introduction to setting up and using a lathe in a machine shop. Students will develop skills and familiarity through the proper use of Engine lathes. Creating cutting tools, interpreting blueprints, and threading will be covered. Math concepts and manufacturing materials will also be covered. Upon completion of the course, the student will be familiar with general safety precautions relating to basic Lathe and the theory behind it.

LEARNING OUTCOMES:

- Students will demonstrate safe and proper setup and operation of an engine lathe
- Students will analyze and explain basic elements of a blueprint
- Students will demonstrate proper maintenance of an engine lathe
- Students will demonstrate proper techniques of turning, chamfers, and threading
- Students will construct and solve problems using geometry

COURSE SCHEDULE:

Monday, Tuesday, Wednesday, Thursday 5:00 PM to 10:00 PM

GRADING: This course is a pass/fail. Passing will be awarded **MC** (Master of Competency) or **NM** (Not mastered).

MC=80% or Higher on Assessments

NM=79% of Lower on Assessments

POLICIES AND EXPECTATIONS:

- Attendance is mandatory in order to participate in any Demonstrations by the Instructor.
- Please be on time, as Class starts at 5:00 pm.

- Students are expected to be respectful to each other at all times.
- Working together with other students is strongly encouraged.
- Headphones are not allowed, due to safety concerns of being distracted.
- There is no make-up policy, so please do everything possible to attend class
- Please refer to Canvas for **the Institutional Syllabi**

This current course, and the entire program, is of a CBE/Hybrid Modality. It is essential to attend class on Lab days (Mondays and Wednesdays), while attendance is optional on Tuesdays and Thursdays (computer lab days). The computer portion of this course can be done in the comforts of you home if desired. We do have a computer Lab dedicated and reserved for this program (Room 126). This Lab will be open from 2 pm-10pm, Mon-Thur. We are very flexible for students using the computer lab so please see your instructor to make special arrangements if you need to use the lab at any other times.

INCLUSIVITY STATEMENT

This course is open to Everyone, regardless of race, color, national origin, language, sex, disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. This program is all about Manufacturing, and what is expected of you when you enter industry. Student to Student collaboration is strongly encouraged, as this mimics industry standards. If for any reason something was said or done in class by anyone, please don't hesitate to talk with me about it. My Cell phone is listed on this syllabus, and I am always available 24/7

SAFETY

Safety rules have been put into place to protect you as well as other students. Any student caught acting unsafe, in anyway, will jeopardize your enrollment in the class. Make sure you know and understand and adhere to all safety rules.