



Golden Strip Career Center

Career & Technical Education

Course Syllabus
2025-2026

Machine Tool Technology 3 & 4
4 Credits

Instructor: Austin Lane

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Website: [Machine Tool website](#)

Course Description: Machine Tool Technology offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the manufacturing career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in machining positions.

The content includes but is not limited to broad, transferable skills, and stresses the understanding of all aspects of the modern machining industry, including CNC/CAD/CAM, and demonstrates such elements of the industry as planning, management, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues.

Course Standards: The course standards for Machine Tool Technology are based on the standards found within the South Carolina Department of Education website. Students who successfully complete Machine Tool Technology with a passing 60% or higher will have demonstrated the ability, concepts, knowledge, and skills required to meet those course objectives. These course standards are available here:

[Course standards](#)

Course Outline:  MTT 3 & 4 Pacing

The course outline is a general guideline set up for the course and is subject to change at any time to allow for increased lessons or moving at a faster or slower pace. This allows for optimal student learning.

Textbooks and Materials Used: Precision machining technology 3rd Edition
Training Resources: Immerse2learn

Grades: Student progress is cumulatively assessed each nine weeks in the following way:
60 Percent: Major Grades/Summative Assessments - Tests, Projects, and Exams



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40 Percent: *Minor Grades/Formative Assessments - Quizzes, Employability Skills
Daily Grade, Journal Entries, Daily Assignments/Practice*

Grading Scale:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 50-59

Class Fees: The fee(s) for this class are listed below. All fees are due by August 29, 2025. Fees are payable by cash, check or money order (payable to Golden Strip Career Center) or MySchoolBucks.

Fees Listed Here (Must list if they are optional or not)

Class Materials Needed:

Class Procedures and Class Rules: Students receive a Golden Strip Career Center Student Handbook outlining daily operations and procedures followed at Golden Strip Career Center. Class and Shop Rules are posted on the wall of the classroom/shop as well as below.

Shop Rules: [Shop Rules](#)

Late work policy:

Students are responsible for submitting work on time. Submitting late work (not due to an excused absence) is at the discretion of the teacher and administration. Students must communicate with their teacher to determine timeline and approval of work. Late work may result in a reduction of earned points. *Assignments turned in late will be deducted 5 points a day.*

Make-up work policy: Students are responsible for arranging time to make up missed work due to an excused absence. All assignments that were assigned prior to the absence may be due upon the student's return to school. A student may be granted up to five days to complete make-up work for excused absences provided that 1) the teacher has communicated the timeline at their discretion and schedule, 2) the absence is preapproved, 3) the student is in good standing, 4) the student has a prior record of good attendance, and 5) missed work is completed and turned in within the school's allotted time period.

***add any class specific information here**