



MACHINE TOOL TECHNOLOGY

- Program of Study -

Career Cluster: Manufacturing

Career Pathway: Production

This Academic Plan is based upon the state requirements needed for an Advanced Diploma. Academic course names may vary among school districts.

Grade	1 st Course	2 nd Course	3 rd Course	4 th Course	5 th Course	6 th Course (CTE)
9 th Grade	English I	Algebra I	Biology	Health / Computer Literacy	Physical Education	Machine Tool Technology I
10 th Grade	English II	Geometry	Chemistry or Geoscience	World History	Physical Education	Machine Tool Technology II
11 th Grade	English III	Algebra II	Science Course or Elective ¹	US History	Foreign Language ² or Elective ¹	Machine Tool Technology III ³
12 th Grade	English IV	Senior Level Math Course	Elective ¹	US Government	Foreign Language ² or Elective ¹	Machine Tool Technology Advanced Studies

¹ Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

² Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

³ CTE Assessments will be administered during the completion level CTE course.

Career and Technical Student Organizations	Work-Based Learning	CTE Assessments
SkillsUSA	Job Shadowing / Internship / Work Experience / Career Days / Career Fairs / Field Trips / Guest Speakers	1) End of Program Technical Assessment for Machine Tool Technology 2) Workplace Readiness Skills Assessment (for Employability Skills Standards)

Postsecondary Options	State Articulation Agreements for CTE College Credit
College of Southern Nevada / Great Basin College / Nevada State College / Truckee Meadows Community College / University of Nevada, Las Vegas / University of Nevada, Reno / Western Nevada College	Secondary Program Requirements Student must earn the state Certificate of Skill Attainment in Machine Tool Technology. Postsecondary Credit Options To Be Determined

Machine Operator	State Recognized Industry Certifications
Machine Operator / Calibration Technician / Millwright / Extruding and Drawing Machine Setter/Set-up Operator / Extrusion Machine Operator / Milling Machine Setter / Pattern and Model Maker / Precision Layout Worker / Tool and Die Maker	Refer to the Governor's Office of Workforce Innovation's Nevada Eligible Industry Credentialing List