



Machine Tooling with Mott Community College

Machine Tool Certificate: 40 Credits

Sample Course Outline:

9 th Grade		
Graduation Requirements	Credits	Location
English 9		High School
Algebra I or Geometry		High School
Chemistry or Honors Chemistry and Physics or Honors Physics		High School
Honors Modern American History		High School
Physical Education/Health		High School
Physical Education		High School
World Language		High School

10 th Grade		
Graduation Requirements	Credits	Location
English 10		High School
Geometry or Algebra II		High School
Biology or Honors Biology		High School
Government/Economics		High School
World Language		High School
Elective		High School
Suggested Pre-Manufacturing, CADD or drafting		High School
Elective		High School



11 th Grade		
Graduation Requirements	Credits	Location
English 11		High School
Algebra II or Trig/Pre Calculus		High School
World History		High School
Manufacturing or Machine Trades	WELD 143 Welding Processes –3 Credits MECH 144 Machining – 3 Credits	Howell HS or Pinckney HS Articulation
Elective		High School

12 th Grade		
Graduation Requirements	Credits	Location
MECH 246 CNC Lathe Fall	2 Credits	M-Tech
TECH 102 Industrial and Construction Safety Fall	2 Credits	M-Tech
CADD 100 Mechanical Blueprint Reading Winter	3 Credits	M-Tech
MECH 247 CNC Mill Winter	2 Credits	M-Tech
English 12		High School
Elective		High School
Elective		High School



13 th Grade		
Graduation Requirements	Credits	Location
MATH 128 Technical Math Fall	5 Credits	M-Tech or Mott Main Campus
MECH 150 Material Systems and Evaluation Fall	3 Credits	M-Tech or Mott Main Campus
MECH 210 Advanced Machining for tooling and maintenance Winter	4 Credits	M-Tech or Mott Main Campus
MECH 151 Physical Metallurgy Winter	3 Credits	M-Tech or Mott Main Campus
MECH 260 Advanced CNC setup, programming & Operation Winter	4 Credits	M-Tech or Mott Main Campus
CADD 120 2 D CADD Application Winter	3 Credits	M-Tech or Mott Main Campus
ENGL 101 English Composition Winter	3 Credits	M-Tech or Mott Main Campus