



Welding with Mott Community College

Welding Certificate: 45 Credits

Sample Course Outline:

9 th Grade		
Graduation Requirements	Credits	Location
English 9		High School
Algebra I or Geometry		High School
Chemistry 1 or Honors Chemistry 1 and Physics 1 or Honors Physics 1		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
Science		High School
Government/Economics		High School
World History		High School
Elective - 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	3WELD 143 Welding Processes –3 Credits MECH 144 Machining – 3 Credits	Howell HS or Pinckney HS Articulation
Elective		

12 th Grade		
Graduation Requirements	Credits	Location
CWELD 164 Basic Metal Preparation Fall	4 Credits	M-Tech
TECH 102 Industrial and Construction Safety Fall	2 Credits	M-Tech
WELD 166 Shielded Metal Arc Welding 1 Winter	4 Credits	M-Tech
CADD 100 Mechanical Blueprint Reading Winter	3 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
WELD 174 Flux Cored Arc Welding Fall	4 Credits	M-Tech or Mott Main Campus
WELD 168 Tungsten Arc Welding 1 Fall	4 Credits	M-Tech or Mott Main Campus
ENGL 101 English Composition Winter	3 Credits	M-Tech or Mott Main Campus
COM 140 Interpersonal Communications Winter	3 Credits	M-Tech or Mott Main Campus
MECH 151 Physical Metallurgy Winter	3 Credits	M-Tech or Mott Main Campus
WELD 170 Gas Metal Arc Welding 1 Winter	4 Credits	M-Tech or Mott Main Campus