



Construction Pathway with Washtenaw Community College

Ironworkers Pre-Apprenticeship (CTPAIW) Certificate: 24 Credits

Construction Technology 1 Certificate: 17 Credits

(41 Total Credits)

Sample Course Outline:

9 th Grade		
1 ST SEMESTER		
Graduation Requirements	Credits	Location
English 9		High School
Algebra I or Geometry		High School
Science		High School
Social Studies		High School
Physical Education		High School
World Language		High School
Elective (if 7 period day)		High School
2 ND SEMESTER		
Graduation Requirements	Credits	Location
English 9		High School
Algebra I or Geometry		High School
Science		High School
Social Studies		High School
Physical Education/Health		High School
World Language		High School
Elective (if 7 period day)		High School



10th Grade		
1ST SEMESTER		
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		High School
Elective (if 7 period day)		High School
2ND SEMESTER		
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		High School
Elective (if 7 period day)		High School



11th Grade		
1ST SEMESTER (FALL)		
Graduation Requirements	Credits	Location
Construction Trades (OSHA 10 Certificate) (articulates CON 108 Intro. To Con. Tech)	2	High School
English 11		High School
Algebra II or Trig/Pre Calculus		High School
Science		High School
Elective		High School
2ND SEMESTER (SPRING)		
Graduation Requirements	Credits	Location
Construction Trades (articulates CON 104 Construction Framing I)	3	High School
English 11		High School
Algebra II or Trig/Pre Calculus		High School
Science		High School
Elective		High School



12th Grade		
1ST SEMESTER (FALL)		
Graduation Requirements	Credits	Location
CMG 115 Safety & Employability Skills 3 CR (T/TH)	3	WCC
CON 204 Construction Finishes Interior 3 CR (MWF)	3	
English	3	WCC
Math	4	WCC
Elective	4	WCC
2ND SEMESTER (SPRING)		
Graduation Requirements	Credits	Location
CON 105 Constuction Framing II (MWF) - Meets 2nd foreign language experience,, 4th math, 3rd science	3	WCC
English	3	WCC
Math	3	WCC
Elective	3	WCC



13th Grade		
1ST SEMESTER (FALL)		
Graduation Requirements	Credits	Location
CON 106 Contextualized Math for the trades	3	WCC
CMG 145 Construction Plan Reading for the Trade	4	WCC
WAF 115 Oxy-Fuel Gas Cutting & Welding for Ironworkers	4	WCC
WAF 116 Shielded Metal Arc Welding for Ironworkers	4	WCC
2ND SEMESTER (SPRING)		
Graduation Requirements	Credits	Location
CON 193 Tools, equipment & material handling for the trade	3	WCC
CON 205 Construction Finishes Exterior	3	WCC
CON 255 Construction concrete & Masonry	3	WCC
WAF 117 Cored Arc Welding for Ironworkers	4	WCC