

COLLEGE: **Elgin Community College-Tech Prep PCCS**
 HIGH SCHOOL(S): **District 300-- Dundee-Crown High School,
 Jacobs High School, Hampshire High School**

CLUSTER: **Manufacturing**
 PATHWAY: **Precision Metal Production**
 PROGRAM: **Welding**



SECONDARY	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	Physical Education	HIGH SCHOOL ACADEMIC & CAREER/TECHNICAL ELECTIVES		
	9	Advanced or Honors English - 9th Grade	Advanced or Honors Algebra 1 and Geometry	Advanced or Honors Biology	Advanced or Honors World History	PE	Foreign Language		Intro to Welding (AC: WEL 101)
	10	Advanced or Honors English - 10th Grade	Advanced or honors Geometry or higher math	Advanced or Honors Chemistry	Advanced, Honors or AP Global Economics and American Government	Health / Drivers Ed.	Foreign Language	Computer Aided Design 1 (AC: CAD 108)	Welding 2 (AC: WEL 102)
	11	Advanced or Honors English - 11th Grade or AP English Language	Algebra 2 and Trigonometry or Honors Precalculus	Advanced or Honors Physics or AP Science	Advanced Honors, or AP U.S. History	PE		Computer Aided Design 2 (AC: CAD 108)	Welding 3
	12	Advanced or English - 12th Grade or AP English Literature	Standard or Honors Pre-Calculus or AP Calculus			PE	ECC Dual-Credit courses Fall: WEL 101 and WEL 102 Spring: WEL 208 and WEL 220		

Entering college freshmen must show English, reading, and mathematics competency. College Ready English, reading, and mathematics competency levels at Elgin Community College: Enrolling students must show ACT English subtest score of 20, a reading subtest score of 18, and a mathematics subtest score of 23, or they must receive an appropriate test score on ECC's placement tests.

ECC Required and Elective Welding AAS Degree Courses						Things to Consider		
POSTSECONDARY	Year 1 1st Semester	WEL 101: Welding I	WEL 102: Welding II	WEL 120: Blueprint Reading for Welders	Required Mathematics Course	Required Communications Course	<i>This Program of Study document provides general college and career course suggestions. Students should work with high school counselors and faculty and college staff to make course selections.</i>	Occupations Related to This Program of Study Fabricator Maintenance Welder MIG Welder Sub Arc Operator TIG Welder Welder Welder-Fitter
	Year 1 2nd Semester	WEL 112: Applied Welding Theory	WEL 113: Welding Power Sources & Set-Up	IMT 112: Metrology - The Study of Measurement	Industrial Technology Electives	Required Communications Course		
	Year 1 Summer							
	Year 2 1st Semester	WEL 208: Welding III	WEL 221: Adv. Blueprint Reading for Welders	WEL 215: Adv. Welding Techniques	IMT 103: Industrial Manufacturing Tech. I	Required Social/Behavioral Science Course		
	Year 2 2nd Semester	WEL 210: Welding IV	WEL 211: TIG Welding Techniques (or WEL 212)	WEL 214: Cutting Processes	IMT 212: Metallurgy - The Study of Steel	Required Liberal Education Course		

CCTI
 College and Career Transitions Initiative
 Funded by the U.S. Dept. of Education (V051B020001)



Vocational Specialist in Welding certificate: WEL 101, IMT 103, Required Math course, WEL 102, Industrial Tech Elective, IMT 212, WEL 208, WEL 120, WEL 220; **Required Communications Course, WEL 210, Industrial Tech Elective; Basic Vocational Specialist in Welding:** WEL 101, 102, IMT 212, WEL 208, WEL 120, WEL 218 and WEL 220; **Basic Vocational Specialist in ARC Welding:** WEL 101, WEL 102, WEL 208, WEL 218; WEL 120; **Basic Vocational Specialist in MIG Welding:** WEL 101, WEL 102, WEL 208, WEL 220; WEL 121

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Credit-Based Transition Programs: "AC:" = Articulated Credit (High school courses articulated for credit with ECC courses.)
Credit-Based Transition Programs: Dual Credit (Elgin Community College courses available to high school seniors.)
Mandatory Assessments, Advising, and Additional Preparation