

Welding CBE 2024-25 Schedule (2024-2025 Curriculum)

CBE On Campus: Flexible lab/class instruction where you complete assessments at a personalized pace.

Lab availability: Monday & Tuesday 7 am - 8 pm / Wednesday & Thursday 7 am - 3:30 pm

Room P1114

● **614422 Intro To Industrial Welding**

● □ **314421 Welding Industrial**

● □ ◊ **324571 Welding Fabrication**

Course Title	Credit Value	Catalog Number	8/26 - 12/12	9/9 - 12/12	10/14 - 12/12	11/11 - 12/12
FALL Term 1246						
● Safety and Welding Fundamentals*	1	10442100	62767	62768	62769	62770
● Precision Measurement and Layout*	1	31442351	62790	62791	62792	62793
● Metal Manufacturing Processes*	1	31442350	62794	62795	62796	62797
● SMAW-Flat Position (Stick)*	1	31442310	62798	62799	62800	62801
● Welding Math Basics*	1	31442382	62802	62803	62804	62805
● Weld Examination*	1	31442308	62806	62807	62808	62809
● GMAW-Flat Position (Wire/Mig)*	1	31442320	62810	62811	62812	62813
● GMAW-Horizontal Position (Wire/Mig)*	1	31442322	62814	62815	62816	62817
● Weld Print 1 Print Fundamentals*	1	31442385	62747	62748	62749	62750
● Flux Core Arc-Flat/Horizontal Position (Wire/Mig)*	1	31442324	62818	62819	62820	62821
□ SMAW-Horizontal Position (Stick)*	1	31442312	62822	62823	62824	62825
□ SMAW-Vertical Position (Stick)*	1	31442314	62826	62827	62828	62829
□ SMAW-Overhead Position (Stick)*	1	31442316	62830	62831	62832	62833
□ Flux Core Arc-Vertical/Overhead Position (Wire/Mig)*	1	31442326	62834	62835	62836	62837
□ Welding Submerged Arc (SAW)*	1	31442304	62838	62839	62840	62841
□ GTAW Mild Steel Flat/Horizontal Position*	1	31442330	62842	62843	62844	62845
□ GTAW Mild Steel Out of Position (Heli-Arc/TIG)*	1	31442332	62846	62847	62848	62849
□ GTAW Stainless/Aluminum Horizontal Position*	1	31442334	62850	62851	62852	62853
□ GTAW Stainless/Aluminum Out of Position*	1	31442336	62854	62855	62856	62857
□ Weld Print 2 Weld/Welding Symbols*	1	31442343	62858	62859	62860	62861
□ Pipe Welding Fundamentals*	1	31442318	62862	62863	62864	62865
□ Welding Advance Process 1*	1	31442340	62866	62867	62868	62869
□ Welding Advance Process 2*	2	31442342	62870	62871	62872	62873
□ Welding Fabrication Introduction*	1	31442357	62874	62875	62876	62877
□ Interpersonal Skills*	1	31801361	60711 8/26-12/13	60712 9/9-12/13	60717 10/14-12/13	60719 11/11-12/13
□ Workplace Fundamentals*	1	31801360	60709 8/26-12/13	60710 9/9-12/13	60716 10/14-12/13	60718 11/11-12/13
Program Total	27					
◊ Pipe Welding 1- Flat/Horizontal Positions*	1	31442301	62878			
◊ Pipe Welding 2- 5F/5G Positions*	1	31442303	62879			
◊ Pipe Welding 3-6F/6G Positions*	1	31442305	62880			
◊ Advanced Pipe Welding Processes*	1	31442325	62881			
◊ Advanced Precision Measurement and Layout*	1	31442307	62882			
Machining Classes are held in Room N109. Lab availability: Monday through Wednesday 8am - 8pm, Thursday 8am - 4pm						
◊ Drills and Saws*	1	31420338	60486	60488	60489	60490
◊ Manual Mill Operation*	1	31420350	60494	60495	60496	60497
◊ Manual Lathe Operation*	1	31420340	60487	60491	60492	60493
◊ Weld Print 3 for Fabricators*	1	31442309	62883			
◊ Weld Inspection and Processes*	1	31442337	62884			
◊ Metal Finishing*	1	31442339	62885			
◊ Welding Geometry and Formulas*	1	31442384	62892	62893	62894	62895
◊ Mechanical Drafting 1	2	10606151	62899	Meet with Instructor to set up class time schedule.		
◊ Fabrication 1-Manual Equipment*	2	31457331	62886			
◊ Fabrication 2-CNC Press Brake and Laser	2	31457333	62887			
◊ Fabrication 3-CNC Set up and Programming	2	31457343	62888			
◊ Fabrication Design and Application	2	31457335	62889			
Robotics Intro is equivalent to the two 1-cr. Classes below						
◊ Robotics-Teach Pendant/Controls*	1	10620167	10620168/62896	Robotics Intro	Mondays 9/23 - 12/9 8am - Noon N127 OR	
◊ Robotics-Editing Programs*	1	10620179	10620168/62897	Robotics Intro	Thursdays 9/19 - 12/12 12:30 - 4:30 pm N127	
◊ Robotic Welding 1*	1	31442327	62890			
◊ Robotic Welding 2*	1	31442329	62891			
◊ Industrial Safety	1	31449301	See Advisor			
Total	27					
Program Total	54					