

**WELDING/FABRICATION**  
**Section 1**  
**STUDENT PLANNER**  
**FALL 2023**

Instructor's Name: Chuck Haus    [chaus@sctcc.edu](mailto:chaus@sctcc.edu)    320-308-5111

**Remember to:** *Turn in any Articulated College Credit certificates (Perkins/Tech Prep). Also tell us if you took Discovery Academy classes.*

**Apply for scholarships by August 1<sup>st</sup> at:** [www.sctcc.edu/scholarships](http://www.sctcc.edu/scholarships)

Course ID	COURSE NUMBER	COURSE TITLE	CREDITS
000102	WELD1505.01	Arc Welding Processes	5
000103	WELD1515.01	Thermal Weld & Cutting	3
000104	WELD1520.01	Metallurgy in Fabrication	3
000105	WELD1529.01	Print Reading & Math App	2
000113	TECH1550.01	Basic CADD	3
000099	TECH1556.01	Basic Machining	3
		Relations for a Diverse Workplace & Written Stretch Analytical Writing 1 <b>taken in Spring Semester</b>	
		<b>TOTAL</b>	<b>19</b>

**DAILY SCHEDULE**

Welding Classes: 7:00 to 12:00 M, T    7:00 to 11:00 W, TH

CAD & Machining: 1:00 to 4:00 M & W

Time	Monday	Tuesday	Wednesday	Thursday	Friday
7:00	1515	1515	1505	1505	
8:00	1520	1515	1505	1505	
9:00	1520	1515	1505	1505	
10:00	1520	1515	1505	1505	
11:00 (to 11:50)	1520	1505	1529 On-line Only	1529 On-line Only	
12:00					
1:00	1550		1556		
2:00	1550		1556		
3:00 (to 3:50)	1550		1556		

## Welding/Fabrication Diploma – 37 Credits

<b>Suggested Technical Studies Semester I</b>		
<b>TECH1550</b>	Basic CADD	2 Credits
<b>TECH1556</b>	Basic Manual - Automated Machining	2 Credits
<b>WELD1505</b>	Arc Welding Processes	5 Credits
<b>WELD1515</b>	Thermal Welding and Cutting Process	3 Credits
<b>WELD1520</b>	Metallurgy & Safety in Fabrication	3 Credits
<b>WELD1529</b>	Print Reading & Math Applications	2 Credits
<b>Suggested Technical Studies Semester II</b>		
<b>WELD1533</b>	Blueprint Reading II	1 Credits
<b>WELD1540</b>	Arc Welding Processes II	6 Credits
<b>WELD1545</b>	Gas Tungsten Arc Welding	4 Credits
<b>WELD1558</b>	Robotics, Inspection, and Testing	3 Credits
<b>General Education</b>		
<b>ENGL1308</b>	Stretch Analytical Writing I	3 Credits
<b>DVRS1310</b>	Human Relations for a Diverse Workplace	3 Credits

Estimated cost for books and supplies: \$2013

**SCTCC Welding Program 2023-24**  
**Required Welding Equipment / Tool List**

	Description	Approximate Price	Quantity
	Clear, non-reflective, Safety Glasses	\$4.33	2
	Skull Cap or Beanie	\$0.00	1
	Face shield Headgear	\$26.29	1
	Face shield Clear	\$5.99	1
	Helmet Digital Performance Black	\$273.66	1
	Weld Jacket	\$52.52	1
	Heavy leather weld gloves	\$8.38	1
	Tig leather weld gloves	\$18.24	1
	Small Toolbox Stanley	\$26.04	1
	Standard Tip Cleaner Set	\$2.70	1
	Single Flint Striker	\$2.70	1
	Silver Streak, Pen Round	\$12.61	1
	Silver Streak, Refill Round	\$9.18	1
	Stainless Steel Hand Brush	\$3.00	1
	Steel Hand Brush	\$1.79	1
	Chipping Hammer	\$10.41	1
	Minimum Size 10" Crescent Wrench	\$17.45	1
	C Vise grip Clamp	\$22.46	1
	Vise grip	\$17.50	1
	Welpers	\$34.64	1
	8" Slip Joint Pliers - Channel lock brand	\$15.56	1
	Hammer 32 OZ Ball-Peen	\$29.59	1
	Tape Measure	\$17.06	1
	Anchor Magnet	\$15.02	1
	4 1/2" Electric Grinder	\$60.79	1
	4 1/2" contoured flap disc	\$6.00	1
	4 1/2" hard stone wheel	\$2.70	1
	4 1/2" 1/8" cutting wheel	\$8.13	4
	Die Grinder	\$26.80	1
	Die Grinder carbide round 3/8"	\$21.76	1
	Die Grinder carbide round 1/4"	\$16.43	1
	1/2" Wide Chisel	\$9.50	1
	Center Punch	\$7.39	1
	6" Rigid 4R Precision SS rule	\$9.46	1
	Pocket Auto Center Punch W/Clip	\$23.93	1
	Degree Finding Square	\$20.65	1
	12" Combinations Square	\$14.66	1
	Tempilstik 350 Degree	\$15.73	1
	G.A.L V-WAC Gauge	\$45.00	1
	Fillet Gauge, Nasco	\$25.23	1
	Sheet Metal Thickness Gauge	\$35.80	1

**Approximate Total                    \$977.00**

Items Not Sold with the Tool Kit.

***	Leather Steel Toe Boots with Ankle Support.	\$170.00	
	Books and codes for Program	\$630.00	
	<b>Purchase after classes start - Metal Test Plates</b>	\$100.00	

**Approximate Total                    \$1,877.00**

Purchases can be made at local welding supply stores. (some suggested locations)

Central McGowan

Oxygen Service Company

You may also mix and match your own tools or order on-line

# SCTCC WELDING PROGRAM

Dates for *Tool Pick up*

*Any Time Over the Summer*

*OR.....First Week of Class*

***Metals Test Plates: Purchase after classes start and throughout the semester***

If you are receiving *Financial Aid or waiting for Loans*, this funding will not be available for several weeks after class starts. Please plan to have a minimum amount of welding gear by the end of the first week of class. We will be doing welding demonstrations and you will be welding by the end of the second week.

- Safety Glasses
- Helmet
- Beanie (skull cap)
- Welding Jacket with Leather Sleeves
- Leather Welding Gloves
- Steel Toe Boots
- Jeans (No frays)
- Large Pliers

If you need to contact me, please use email.  
This is the fastest way to reach me.

Welding Instructor  
Chuck Haus  
[chaus@sctcc.edu](mailto:chaus@sctcc.edu)  
320-308-5111