



# Ogden-Weber Technical College

200 N. Washington Blvd, Ogden, UT 84404

801-627-8300

<b>2019 Metal Fabrication</b>			
<b>All Materials</b>		<b>New</b>	<b>Used</b>
Total Estimated Unique Books and Materials Cost		\$1,062.80	\$929.15**

<b>Program Materials</b>				
		<b>Required</b>	<b>New</b>	<b>Used</b>
General Supply	4 GB OWATC Flash Drive Lanyard	X	\$8.50	--
Subtotal of required materials:			\$8.50	\$8.50**

<b>Course Materials</b>				
<i>MFAB1001 Metal Fabrication Safety</i>		<b>Required</b>	<b>New</b>	<b>Used</b>
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00
Subtotal of required materials:			\$266.60	\$199.95**

<i>MFAB1021 Metal Fabrication Basics</i>		<b>Required</b>	<b>New</b>	<b>Used</b>
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00
Subtotal of required materials:			\$266.60	\$199.95**

<i>MFAB1031 Introduction to Manufacturing Processes</i>		<b>Required</b>	<b>New</b>	<b>Used</b>
Textbook	Bennett, Siy Blueprint Reading for Welders ISBN: 978-1-4283-3528-5	X	\$165.00	\$123.25
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00
Subtotal of required materials:			\$431.60	\$323.20**

<i>MFAB1040 Introduction to Fabrication Print Reading</i>		Required	New	Used
General Supply	Mechanical Pencil	X	\$2.30	--
Center Supply	Pen	X	\$2.00	--
Textbook	Bennett, Siy Blueprint Reading for Welders ISBN: 978-1-4283-3528-5	X	\$165.00	\$123.25
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$435.90 \$327.50\*\*

<i>MFAB1050 Dimensioning for Fabrication Applications</i>		Required	New	Used
Tools	6" Steel Ruler	X	\$10.05	--
Tools	Tape Measure	X	\$12.95	--
General Supply	Notebook	X	\$3.50	--

Subtotal of required materials: \$26.50 \$26.50\*\*

<i>MFAB1060 Fabrication Design Basics</i>		Required	New	Used
Tools	6" Steel Ruler	X	\$10.05	--
General Supply	Mechanical Pencil	X	\$2.30	--
Tools	Tape Measure	X	\$12.95	--
General Supply	Notebook	X	\$3.50	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$295.40 \$228.75\*\*

<i>MFAB1070 Introduction to Computer Design for Fabrication</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
General Supply	Texas Instrument Calculator	X	\$5.85	--
General Supply	Notebook	X	\$3.50	--

Subtotal of required materials: \$11.35 \$11.35\*\*

<i>MFAB1080 Computer Aided Design for Fabrication Applications</i>		Required	New	Used
Tools	Tape Measure	X	\$12.95	--

Subtotal of required materials: \$12.95 \$12.95\*\*

<i>MFAB1090 Fabrication Project Planning Basics</i>		Required	New	Used
General Supply	Mechanical Pencil	X	\$2.30	--
Center Supply	Pen	X	\$2.00	--
General Supply	Texas Instrument Calculator	X	\$5.85	--
General Supply	Notebook	X	\$3.50	--

Subtotal of required materials: \$13.65 \$13.65\*\*

<i>MFAB1200 Intro to Metal Forming for Fabrication</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
Tools	Tape Measure	X	\$12.95	--
General Supply	Notebook	X	\$3.50	--
Tools	Combination Square Sheet Metal protractor	X	\$20.00	--
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$105.10 \$88.45\*\*

<i>MFAB1210 Metal Forming Basics for Fabrication</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
Tools	Tape Measure	X	\$12.95	--
General Supply	Notebook	X	\$3.50	--
Tools	Combination Square Sheet Metal protractor	X	\$20.00	--
Tools	Magnetic base protractor	X	\$0.00	--

Subtotal of required materials: \$38.45 \$38.45\*\*

<i>MFAB1220 Forming Operations for Metal Fabrication</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
Tools	Tape Measure	X	\$12.95	--
General Supply	Notebook	X	\$3.50	--
Tools	Magnetic base protractor	X	\$0.00	--

Subtotal of required materials: \$18.45 \$18.45\*\*

<i>MFAB1230 Fabrication Metallurgy Intro</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--

General Supply	Texas Instrument Calculator	X	\$5.85	--
Tools	Tape Measure	X	\$12.95	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$750.45 \$683.80\*\*

<i>MFAB1240 Intro to Fabrication Cutting Processes</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95

Subtotal of required materials: \$665.00 \$615.00\*\*

<i>MFAB1250 Fabrication Cutting Process Applications</i>		Required	New	Used
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$461.20 \$461.20\*\*

<i>MFAB1260 CNC Operations</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
General Supply	Notebook	X	\$3.50	--

Subtotal of required materials: \$5.50 \$5.50\*\*

<i>MFAB1300 Introduction to Welding for Metal Fabrication</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
General Supply	Notebook	X	\$3.50	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$272.10 \$205.45\*\*

<i>MFAB1310 Welding for Fabrication Applications</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1320 Metal Fabrication Welding Basics</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1330 Fabrication Welding Applications Gas Metal Arc Welding -Steel</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1340 Fabrication Welding Applications Gas Metal Arc Welding -Stainless Steel</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1360 Fabrication Welding Applications Gas Metal Arc Welding -Aluminum</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1370 Fabrication Welding Applications Gas Tungsten Arc Welding -Mild Steel</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1390 Fabrication Welding Applications Gas Tungsten Arc Welding -Aluminum</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1400 Fabrication Welding Applications Gas Metal Arc Welding –Other</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1410 Fabrication Welding Applications Gas Tungsten Arc Welding –Other</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--

Subtotal of required materials: \$465.05 \$465.05\*\*

<i>MFAB1420 Mathematics for Fabrication Applications</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
General Supply	Texas Instrument Calculator	X	\$5.85	--
General Supply	Notebook	X	\$3.50	--
Textbook	Robert Chasan Practical Problems in Mathematics for Welders ISBN: 978-1-111-31359-8	X	\$101.00	\$75.75
Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00

Subtotal of required materials: \$179.00 \$137.10\*\*

<i>MFAB1450 Intro to Metal Finishing</i>		Required	New	Used
Center Supply	Pen	X	\$2.00	--
General Supply	Notebook	X	\$3.50	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95

Textbook	Robert L O'Con Metal Fabrication: A Practical Guide. 3rd. Unknown, ISBN: 9781881113164	X	\$66.65	\$50.00
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Subtotal of required materials: \$272.10 \$205.45\*\*

<i>MFAB1460 Metal Finishing Applications for Fabrication</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--
Textbook	Larry Jeffus Welding Principles and Applications ISBN: 978-1-111-03917-8	X	\$199.95	\$149.95

Subtotal of required materials: \$665.00 \$615.00\*\*

<i>MFAB1480 Metal Fabrication Practical Application</i>		Required	New	Used
Tools	Safety Glasses Clear	X	\$3.85	--
Tools	Earplugs	X	\$0.35	--
Center Supply	Pen	X	\$2.00	--
Tools	Welding Helmet	X	\$335.00	--
Tools	Welding Jacket	X	\$110.00	--
Tools	Welding Gloves	X	\$10.25	--
Other	Closed Toed Shoes - NOT PROVIDED BY THE BOOKSTORE	X	\$0.00	--
Tools	Welding Cap	X	\$5.60	--
General Supply	Notebook	X	\$3.50	--

Subtotal of required materials: \$470.55 \$470.55\*\*

<i>WKJS1005 Job Seeking Skills Basics-5 hrs</i>		Required	New	Used
NO MATERIAL REQUIRED	NO MATERIAL REQUIRED	X	\$0.00	--
Textbook	N/A NO BOOK REQUIRED ISBN: 0000000000000	X	\$0.00	--

Subtotal of required materials: \$0.00 \$0.00\*\*

**\*\* The subtotal of "used" required materials will include the new cost when a used option is not available**

**Prices are subject to change**