- 6 quarter AAS
- Maximum class size:
- Student to teacher ratio:
- Enrollment point:
- This degree is primarily in person and hands-on with some online, hybrid, and web-enhanced courses. See course descriptions for more details.
- Shop is fully equipped, well lit with a well maintained classroom area.

General Education Requirements

5 credits from the Communications Distribution

5 credits from the Quantitative Distribution

5 credits from the Sciences and Humanities Distribution

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Required Courses

Quarter 1

SHME 101	Introduction to Sheet Metal Technology	3
SHME 103	Fitting Fabrication I	7
SHME 105	Materials Technology	3
SHME 150	Hand Tools and Machines	5

Quarter 2

SHME 107	Applied Math	5
SHME 151	Safety and Health	4
SHME 152	Drafting I	6
SHME 217	Energy Codes	2
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 3

SHME 112	Fitting Fabrication II	8
SHME 153	Architectural Sheet Metal	5
SHME 213	Introduction to Blueprint Reading	4
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 4

SHME 203	Blueprint Reading Applications	5
SHME 206	Complex Components Fabrication	5
SHME 250	Drafting II	7
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5

Quarter 5

SHME 251	Duct Design and Air Balancing Concepts	5
SHME 252	Field Installation I	6
SHME 253	Field Installation II	6

Quarter 6

SHME 254	Commercial Projects	6
WBAS 101	Welding Basics	8

Total Credit Hours: 115

Sheet Metal Technician Certificate of Competency (98 Credits)

Plan Code: SMTSRC45

6 quarter Certificate of Completion

General Education Requirements

5 credits from the Communications Distribution

5 credits from the Quantitative Distribution

5 credits from the Sciences and Humanities Distribution

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Required Courses

Quarter 1

SHME 101	Introduction to Sheet Metal Technology	3
SHME 103	Fitting Fabrication I	7
SHME 105	Materials Technology	3
SHME 150	Hand Tools and Machines	5

Quarter 2		
SHME 107	Applied Math	5
SHME 151	Safety and Health	4
SHME 152	Drafting I	6
SHME 217	Energy Codes	2
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5
Quarter 3		
SHME 112	Fitting Fabrication II	8
SHME 153	Architectural Sheet Metal	5
SHME 213	Introduction to Blueprint Reading	4
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5
Quarter 4		
SHME 203	Blueprint Reading Applications	5
SHME 206	Complex Components Fabrication	5
SHME 250	Drafting II	7
GENED	Communications (p. 53) or Quantitative (p. 53) or Sciences-Humanities (p. 53)	5
Quarter 5		
SHME 251	Duct Design and Air Balancing Concepts	5
SHME 252	Field Installation I	6
WBAS 101	Welding Basics	8

Total Credit Hours: 98

Sheet Metal Production Support Certificate of Training (44 Credits)

Plan Code: SMTSPC20

3 quarter Certificate of Training

Required Courses

Quarter 1		
SHME 103	Fitting Fabrication I	7
SHME 105	Materials Technology	3
Quarter 2		
SHME 107	Applied Math	5
SHME 150	Hand Tools and Machines	5
SHME 217	Energy Codes	2
Quarter 3		
SHME 112	Fitting Fabrication II	8
SHME 253	Field Installation II	6
WBAS 101	Welding Basics	8

Subtotal: 44

Sheet Metal Residential Installer Certificate of Training (46 Credits)

Plan Code: SMTSRC20

3 quarter Certificate of Training

Required Courses:

Quarter 1		
SHME 120	Introduction to Sheet Metal Technology	3
SHME 124	Fitting Fabrication	4
SHME 125	Applied Math	3
SHME 150	Hand Tools and Machines	5
Quarter 2		
SHME 127	Prefabricated Components	2
SHME 128	Materials Handling Technology	2
SHME 129	Wood working Tools	1
SHME 130	Carpentry Installation	3
SHME 131	Air Properties Technology	1
SHME 132	Duct Installation	3
SHME 137	Duct Design Technology	3
Quarter 3		
SHME 133	Residential Venting Technology	2
SHME 134	Unit Operations	2
SHME 135	Code Principals	2
SHME 136	Gas Piping Technology	2
SHME 138	Preventive Maintenance	2
SHME 253	Field Installation II	6

Subtotal: 46

Program Learning Outcomes

1. Lay out, measure, and mark dimensions and reference lines on material
2. Use calculators, scribes, dividers, squares, and rulers
3. Fasten joints together with a variety of fasteners