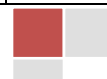


METAL FABRICATION 1, 2, 3, 4
COURSE CODE: 6260, 6261, 6262, 6263
STUDENT PROFILE

STUDENT'S NAME		TEACHER'S NAME			
School Year/Semester	Date Began	Date Completed	Grade		
Directions: Document student's progress using the applicable rating scales below: Enter date of completion under the appropriate column.					
0 - Has not received instruction in this area / no experience or knowledge of this task (N/A) 1 - Requires additional instruction and or close supervision (60-69) 2 - Can perform the task completely with limited supervision (70-79) 3 - Can apply and perform independently (80-100)					
A. SAFETY					
		0	1	2	3
1	Review school safety policies and procedures.				
2	Review classroom safety rules and procedures.				
3	Review safety procedures for using equipment in the classroom.				
4	Identify major causes of work-related accidents in office environments.				
5	Demonstrate safety skills in an office/work environment.				
B. STUDENT ORGANIZATIONS					
		0	1	2	3
1	Identify the purpose and goals of a Career and Technology Student Organization (CTSO).				
2	Explain how CTSOs are integral parts of specific clusters, majors, and/or courses.				
3	Explain the benefits and responsibilities of being a member of a CTSO.				
4	List leadership opportunities that are available to students through participation in CTSO conferences, competitions, community service, philanthropy, and other activities.				
5	Explain how participation in CTSOs can promote lifelong benefits in other professional and civic organizations.				
C. TECHNOLOGY KNOWLEDGE					
		0	1	2	3
1	Demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation				
2	Identify proper netiquette when using e-mail, social media, and other technologies for communication purposes.				
3	Identify potential abuse and unethical uses of laptops, tablets, computers, and/or networks.				
4	Explain the consequences of social, illegal, and unethical uses of				



	technology, e.g., piracy; illegal downloading; licensing infringement; inappropriate uses of software, hardware, and mobile devices in the work environment.				
5	Discuss legal issues and the terms of use related to copyright laws, fair use laws, and ethics pertaining to downloading of images, photographs, documents, video, sounds, music, trademarks, and other elements for personal use.				
6	Describe ethical and legal practices of safeguarding the confidentiality of business-related information.				
7	Describe possible threats to a laptop, tablet, computer, and/or network and methods of avoiding attacks.				
D. PERSONAL QUALITIES AND EMPLOYABILITY SKILLS		0	1	2	3
1	Demonstrate punctuality.				
2	Demonstrate self-representation.				
3	Demonstrate work ethic.				
4	Demonstrate respect.				
5	Demonstrate time management.				
6	Demonstrate integrity.				
7	Demonstrate leadership.				
8	Demonstrate teamwork and collaboration.				
9	Demonstrate conflict resolution.				
10	Demonstrate perseverance.				
11	Demonstrate commitment.				
12	Demonstrate a healthy view of competition				
13	Demonstrate a global perspective.				
14	Demonstrate health and fitness.				
15	Demonstrate self-direction.				
16	Demonstrate lifelong learning.				
E. PROFESSIONAL KNOWLEDGE		0	1	2	3
1	Demonstrate effective speaking and listening skills.				
2	Demonstrate effective reading and writing skills.				
3	Demonstrate mathematical reasoning.				
4	Demonstrate job-specific mathematics skills.				
5	Demonstrate critical-thinking and problem-solving skills.				
6	Demonstrate creativity and resourcefulness.				
7	Demonstrate an understanding of business ethics.				



8	Demonstrate confidentiality.				
9	Demonstrate an understanding of workplace structures, organizations, systems, and climates.				
10	Demonstrate diversity awareness.				
11	Demonstrate job acquisition and advancement skills.				
12	Demonstrate task management skills.				
13	Demonstrate customer-service skills.				
A. LAYING OUT SHEET METAL		0	1	2	3
1	Lay out round duct lateral				
2	Lay out rectangular straight duct.				
3	Lay out rectangular square throat and square heel duct elbow.				
4	Lay out rectangular duct ogee offset.				
5	Lay out rectangular taper duct.				
6	Lay out rectangular duct Y branch.				
7	Lay out round straight duct.				
8	Lay out round duct elbow.				
9	Lay out round duct Y branch.				
10	Lay out round duct offset.				
11	Lay out round duct taper.				
12	Lay out round duct lateral.				
13	Lay out batten seam metal roof panel and cap.				
14	Lay out ogee gutter.				
15	Lay out metal siding panel.				
16	Lay out louver.				
17	Lay out framed damper.				
18	Lay out square hopper.				
19	Lay out cyclone dust collector.				
20	Lay out helical chute.				
21	Lay out belt guard.				
22	Lay out hood.				
23	Lay out steam table.				
24	Lay out sink.				



25	Lay out cabinet.				
26	Lay out rectangular fiberglass duct.				
27	Lay out rectangular radius throat and radius heel duct elbow.				
28	Lay out counter top.				
29	Lay out blind/drapery pocket (cornice).				
30	Lay out round duct support saddle (floor mounted).				
31	Lay out metal sign with hollow metal letters.				
32	Lay out rectangular taper duct (one side straight).				
B. FABRICATING MECHANICAL SYSTEMS		0	1	2	3
1	Fabricate rectangular straight duct.				
2	Fabricate rectangular radius throat and radius heel duct elbow.				
3	Fabricate rectangular square throat and square heel duct elbow.				
4	Fabricate rectangular duct ogee offset.				
5	Fabricate rectangular duct transition.				
6	Fabricate rectangular duct Y branch.				
7	Fabricate rectangular shoe tap.				
8	Fabricate round straight duct.				
9	Fabricate round duct elbow.				
10	Fabricate round duct Y branch.				
11	Fabricate round duct offset.				
12	Fabricate round duct taper (transition).				
13	Fabricate round cut lateral (round tap).				
14	Fabricate round saddle tap.				
15	Fabricate single wall equipment casing/housing.				
16	Fabricate double wall equipment casing/housing.				
17	Fabricate flat S.				
18	Fabricate bar S.				
19	Fabricate drive cleat.				
20	Fabricate pocket/government lock.				
21	Fabricate companion angle.				
22	Fabricate flanged duct section.				



C. FABRICATING ARCHITECTURAL/ROOFING SHEET METAL		0	1	2	3
1	Fabricate batten seam metal roof panel and cap.				
2	Fabricate standing seam metal roof panel.				
3	Fabricate metal flat-lock roof panel.				
4	Fabricate ogee gutter.				
5	Fabricate half-round gutter.				
6	Fabricate offset in rectangular downspout/ conductor.				
7	Fabricate conductor head.				
8	Fabricate flashing.				
9	Fabricate roof coping.				
10	Fabricate gravel stop fascia.				
11	Fabricate metal siding panel.				
12	Fabricate louver.				
13	Fabricate column cover.				
14	Fabricate metal ceiling panel.				
D. FABRICATING SPECIALITY SHEET METAL		0	1	2	3
1	Fabricate rectangular single blade damper in frame.				
2	Fabricate rectangular multi-blade damper in frame.				
3	Fabricate hopper.				
4	Fabricate cyclone dust collector.				
5	Fabricate helical (spiral) chute.				
6	Fabricate rectangular tube.				
7	Fabricate round tube.				
8	Fabricate hollow metal letter.				
9	Fabricate metal sign with hollow metal letters.				
10	Fabricate round duct support saddle (floor mounted).				
11	Fabricate belt guard.				
12	Fabricate blind/drapery pocket (cornice).				
13	Fabricate breeching.				
14	Fabricate lagging for insulated breeching.				



15	Fabricate lagging standoff members for insulated breeching.				
16	Fabricate polyvinylchloride (PVC) hood.				
17	Fabricate rectangular fiberglass duct.				
E. FABRICATING FOOD AND BEVERAGE DISPENSING EQUIPMENT		0	1	2	3
1	Fabricate steam table.				
2	Fabricate sink.				
3	Fabricate counter top.				
4	Fabricate shelf.				
5	Fabricate cabinet shell.				
6	Fabricate cabinet drawer.				
7	Fabricate cabinet sliding door.				
8	Fabricate cabinet hinge door.				
9	Assemble cabinet components.				
10	Fabricate range hood.				
F. WELDING SHEET METAL		0	1	2	3
1	Select and maintain soldering and desoldering tools.				
2	Solder and desolder components.				
3	Select and install connection devices (e.g., terminal, lug, crimp, spade).				
G. INSTALLING MECHANICAL SYSTEMS		0	1	2	3
1	Install rectangle duct system.				
2	Install round duct system.				
3	Install single wall equipment casing/housing.				
4	Install double wall equipment casing/housing.				
H. INSTALLING ARCHITECTURAL/ROOFING SHEET METAL		0	1	2	3
1	Install batten seam metal roof.				
2	Install standing seam metal roof.				
3	Install metal flat-lock roof.				
4	Install ogee gutter.				
5	Install half round gutter.				



6	Install rectangular downspout/conductor.				
7	Install conductor head.				
8	Install flashing.				
9	Install coping.				
10	Install gravel stop fascia.				
11	Install metal siding.				
12	Install louver.				
13	Install column cover.				
14	Install metal ceiling.				
I. INSTALLING SPECIALTY SHEET METAL		0	1	2	3
1	Install breeching.				
2	Install lagging stand off members.				
3	Install lagging on insulated breeching.				
4	Install belt guard.				

