

Advisory Committee Minutes Fall 2019

Welding

Vernon College – Skills Training Center

Thursday October 17, 2019 at 12:00pm

Johnny Brown – Chair

Ronnie Stallcup – Vice Chair

Blair Shipp – Recorder

Members Present:

Johnny Brown, Brown Brothers Welding

Joey Davis, Airgas

Herb Johnson, Pipe Runners Plus, LLC

Tim Lofland, Vernon College Student

Jeremy Palacios, Eagle Railcar Services

Blair Shipp, Shipp Welding

Ronnie Stallcup, Sharp Iron Group

Faculty and Staff Present:

Shana Drury

Chelsey Henry

Michael Noyes

Chris Rivard

Holly Scheller

Chaz Tepfer

Mollie Williams

Members Not Present:

Kitty Howard

Ty Bagwill

Bobby Gibson

Jim Harris

Josh Patin

Mark Patterson

Shane Turkett

New Business

Review program outcomes, assessment methods/results, and workplace competency

Program Outcomes

Johnny Brown asked the committee to review the program outcomes listed below. He also asked Chaz Tepfer to briefly review the outcomes listed below. Chaz explained that the only thing that was added was number seven. The last meeting the committee voted to add Metal Core Arc Welding. Chaz has seen a large increase in enrollment, so he is asking the committee if it is not going to be utilized in this area is it something the committee would like to add or not. Chaz is presenting it as a future objective for his advanced classes. There was some discussion among the committee that a few places did a little but not much. Chaz said in his research that it might not be beneficial for his students and his budget to add the course or the outcome.

1. Correctly read and interpret blueprints and weld symbols.
2. Safely demonstrate Shielded Metal Arc Welding (SMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
3. Safely demonstrate Gas Metal Arc Welding (GMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.

4. Safely demonstrate Flux Core Arc Welding (FCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
5. Safely demonstrate Gas Tungsten Arc Welding (GTAW) processes in flat, horizontal, vertical and overhead positions to American Welding Society (AWS) and industry standards.
6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by blueprint.
7. Safely demonstrate Metal Cored Arc Welding (MCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.

Johnny Brown asked for a motion to approve the program outcomes with the deletion of number 7 as discussed.

Joey Davis made a motion to approve the program outcomes with the deletion of number 7.

Michael Noyes seconded the motion.

The motion passed and the committee approved the program outcomes as discussed.

Jeremy Palacios mentioned the process of gauging. Chaz Tepfer explained that he does have the students working on gauging on a smaller scale.

Assessment methods and results

Johnny Brown asked Chaz Tepfer to explain in more detail the assessment methods and results.

The purpose of the Capstone course is so the student(s) can demonstrate what they have learned during the 1 ½ years in the program and gain confidence they are ready to pursue a job in the area of Welding Technology.

The method of grading in the Capstone course WLDG1427 Welding Codes and Standards is through various Qualification tests. The tests that are offered are 3G plate and 6G pipe, the weld joint is prepared by the student and then welded the visual inspection is done by Chaz Tepfer. If the welded joint passes the Visual Inspection then the student will cut coupons out of the welded joint to be bend tested, on the plate coupon there is 1 Root bend and 1 Face bend, on the pipe coupon there is 2 Root bends and 2 Face bends. After the bend tests have been completed they're Visually Inspected to the (AWS) D1.1 Standard. This is a pass or fail test, if the student does not pass the test on the first try he/she will work to correct any discontinuity or defect to pass the test the next time.

Johnny Brown asked the committee for a motion to approve the assessment methods and results as presented.

Johnny Brown made a motion to approve the assessment methods and results as presented.

Ronnie Stallcup seconded the motion.

The motion passed and the committee approved the assessment methods and results as presented.

Workplace competency (course or exam)

Johnny Brown asked Chaz Tepfer to please tell the committee about the competency and how the students have performed on the competency.

Program Outcome	Number of students who took course or licensure exam	Results per student	Use of results
1. Correctly read and interpret blueprints and weld symbols.	6 students-Fall 18 9 students-Spring 2 students-Sum 19	100% 100% 100%	
2. Safely demonstrate Shielded Metal Arc Welding (SMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	6 students-Fall 18 9 students-Spring 2 students-Sum	100% 78% 7 passed 50% 1 passed	
3. Safely demonstrate Gas Metal Arc Welding (GMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	6 students-Fall 18 9 students-Spring 2 students-Sum	100% 89% 8 passed 50%	
4. Safely demonstrate Flux Core Arc Welding (FCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	6 students-Fall 18 9 students-Spring 2 students-Sum	83% 5 passed 89% 8 passed 50%	
5. Safely demonstrate Gas Tungsten Arc Welding (GTAW) processes in flat, horizontal, vertical and overhead positions to American Welding Society (AWS) and industry standards.	6 students-Fall 18 9 students-Spring 2 students-Sum	83% 5 passed 67% 6 passed 50%	
6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by blueprint	6 students-Fall 18 9 students-Spring 2 students-Sum	100% 100% 50%	

*Johnny Brown asked for a motion to approve the workplace competency as presented.
 Ronnie Stallcup made a motion to approve the workplace competency as presented.
 Herb Johnson seconded the motion.*

The motion passed and the committee approved the workplace competency as presented.

Review program curriculum/courses/degree plans

Johnny Brown asked Chaz Tepfer to discuss the committee on the program's curriculum and degree plans listed below.

Welding, A.A.S.

CIP 48.0508

Instructional Location - Skills Training Center

ASSOCIATE IN APPLIED SCIENCE DEGREE (Probable completion Time - 2 years)

General Education Requirements (15 SH)

<u>ENGL 1301</u>	Composition I	3
<u>GOVT 2305</u>	Federal Government (Federal Constitution and Topics)	3
<u>MATH 1314</u>	College Algebra	3
	or	
<u>MATH 1332</u>	Contemporary Mathematics	3
<u>SPCH 1315</u>	Public Speaking	3
SFF>	Language, Philosophy, and Culture or Creative Arts Elective	3

Major Requirements (45 SH)

<u>WLDG 1337</u>	Introduction to Welding Metallurgy	3
<u>WLDG 1313</u>	Introduction To Blueprint Reading For Welders	3
<u>WLDG 1317</u>	Introduction To Layout And Fabrication	3
<u>WLDG 1427</u>	Welding Codes and Standards	4
<u>WLDG 1428</u>	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
<u>WLDG 1430</u>	Introduction to Gas Metal Arc Welding (GMAW)	4
<u>WLDG 1434</u>	Introduction to Gas Tungsten Arc (GTAW) Welding	4
<u>WLDG 1435</u>	Introduction to Pipe Welding	4

<u>WLDG 2413</u>	Intermediate Welding Using Multiple Processes	4
<u>WLDG 2453</u>	Advanced Pipe Welding	4
<u>WLDG 2443</u>	Advanced Shielded Metal Arc Welding (SMAW)	4
<u>WLDG 2447</u>	Advanced Gas Metal Arc Welding (GMAW)	4
Total Credit Hours:		60

> To be selected from the following: **ARTS 1301, DRAM 1310, DRAM 2366, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, HIST 2311, HIST 2312, MUSI 1306**
(A) Course included on the State's Advanced Technical Credit list. (See Advanced Technical Credit.)

Welding Occupational Skills Award (11 Semester Hours):

<u>WLDG 1313</u>	Introduction To Blueprint Reading For Welders	3
<u>WLDG 1428</u>	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
<u>WLDG 1430</u>	Introduction to Gas Metal Arc Welding (GMAW)	4

Verification of Workplace Competencies: Capstone Experience:

<u>WLDG 2413</u>	Intermediate Welding Using Multiple Processes	4
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Advanced Welding, Level 1 Certificate

CIP 48.0508

Level 1 Certificate

Instructional Location – Skills Training Center

CERTIFICATE OF COMPLETION (Probable Completion Time - 2 Semester)

Major Requirements (20 SH)

<u>WLDG 1427</u>	Welding Codes and Standards	4
<u>WLDG 2413</u>	Intermediate Welding Using Multiple Processes	4
<u>WLDG 2453</u>	Advanced Pipe Welding	4
<u>WLDG 2443</u>	Advanced Shielded Metal Arc Welding (SMAW)	4
<u>WLDG 2447</u>	Advanced Gas Metal Arc Welding (GMAW)	4
Total Credit Hours:		20

Verification of Workplace Competencies: Capstone Experience –

<u>WLDG 2413</u>	Intermediate Welding Using Multiple Processes	
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Basic Welding, Level 1 Certificate

CIP 48.0508

Level 1 Certificate

Instructional Location – Skills Training Center

CERTIFICATE OF COMPLETION (Probable Completion Time - 1½ years)

Major Requirements (25 SH)

<u>WLDG 1317</u>	Introduction To Layout And Fabrication	3
<u>WLDG 1337</u>	Introduction to Welding Metallurgy	3
<u>WLDG 1313</u>	Introduction To Blueprint Reading For Welders	3
<u>WLDG 1428</u>	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
<u>WLDG 1430</u>	Introduction to Gas Metal Arc Welding (GMAW)	4
<u>WLDG 1434</u>	Introduction to Gas Tungsten Arc (GTAW) Welding	4
<u>WLDG 1435</u>	Introduction to Pipe Welding	4
Total Credit Hours:		25

(A) Course included on the State's Advanced Technical Credit list. (See **Advanced Technical Credit.**)

Welding Occupational Skills Award (11 Semester Hours):

<u>WLDG 1313</u>	Introduction To Blueprint Reading For Welders	3
<u>WLDG 1428</u>	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
<u>WLDG 1430</u>	Introduction to Gas Metal Arc Welding (GMAW)	4

Verification of Workplace Competencies: Capstone Experience –

<u>WLDG 1317</u>	Introduction To Layout And Fabrication	3
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WLDG 1337- Introduction to Welding Metallurgy - A study of ferrous and nonferrous metal from the ore to the finished product. Emphasis on metal alloys, heat treating, hard surfacing, welding techniques, forging, foundry processes, and mechanical properties of metal including hardness, machinability, and ductility.

Describe technical terms used in metallurgy and classification of metals; identify metals and how they are processed and used in industry; and describe mechanical and physical properties, surface treatments, and heat treatment of metals.

WLDG 1413 Introduction to Blueprint Reading for Welders - A study of industrial blueprint. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production.

Define terms and abbreviations; interpret views, lines, dimensions, detail drawings and welding symbols; identify structural shapes; demonstrate the proper use of measuring devices; calculate dimensions; and develop bill of materials.

WLDG 1417 Introduction to Layout and Fabrication - A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.

Interpret welding symbols; utilize measuring instruments and tools for fabricating projects; define layout and fabrication terminology; and identify structural shapes and materials.

WLDG 1427 Welding Codes and Standards - Prerequisites: Capstone course, to be taken with the consent of instructor in the student's last semester prior to graduation; and WLDG 2413. An in-depth study of welding codes and their development in accordance with structural standards, welding processes, destructive and nondestructive test methods.

Interpret codes and standards; interpret welding symbols; apply preweld, in-process, and shop inspection standards; develop welding procedures; and calculate preheat and postweld heat treatments.

WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) - An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, and various joint designs.

Select electrodes and amperage settings for various thicknesses of materials and welding positions; define principles of arc welding; explain electrode classifications; perform SMAW operations utilizing various positions electrodes and joint designs.

WLDG 1430 Introduction to Gas Metal Arc Welding (GMAW) - Principles of gas metal arc welding; setup and use of Gas Metal Arc Welding (GMAW) equipment, and safe use of tools/equipment. Instruction in various joint designs.

Describe welding positions with various joint designs; describe the effects of welding parameters in GMAW; apply safety rules; troubleshoot equipment used, perform visual inspection; weld various types of structural material; diagnose welding problems.

WLDG 1434 Introduction to Gas Tungsten Arc (GTAW) Welding - Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs.

Describe various joint designs; describe safety rules and equipment; and describe the effects of welding parameters in GTAW; weld various structural materials.

WLDG 1435 Introduction to Pipe Welding - Prerequisite: WLDG 1428. An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on various welding positions and electrodes.

Describe equipment and required pipe preparation and perform welds using various positions and electrodes.

WLDG 2413 Intermediate Welding Using Multiple Processes - Prerequisite: WLDG 1434. Instruction using layout tools and blueprint reading with demonstration and guided practices with some of the following welding processes: oxy-fuel gas cutting and welding, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), gas tungsten arc welding (GTAW).

Identify proper safety equipment and tools; select the proper welding process for a given application; demonstrate skills using more than one approved welding process; analyze situations and make decisions concerning safety and electrode selections.

WLDG 2453 Advanced Pipe Welding - Prerequisite: WLDG 1435. Advanced topics involving welding of pipe using the shielded metal arc welding process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes.

Describe equipment and required pipe preparation and perform 5G and 6G welds using various electrodes.

WLDG 2443 Advanced Shielded Metal Arc Welding (SMAW) - Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in various positions.

WLDG 2447 Advanced Gas Metal Arc Welding (GMAW) - Advanced topics in Gas Metal Arc Welding (GMAW). Includes welding in various positions.

Program revisions

Johnny Brown asked for a motion to approve the program revisions as presented.

Herb Johnson made a motion to approve the program revisions as presented.

Blair Shipp seconded.

The motion passed and the committee approved the program revisions as presented.

Review Secretary's Commission on Achieving Necessary Skills (SCANS), General Education, and Program Outcomes Matrices

Johnny Brown asked Chaz Tepfer to review the matrices listed below. Chaz Tepfer and Shana Drury went over the matrices with the committee.

SCANS Matrix: The SCANS (Secretary's Commission on Achieving Necessary Skills) Matrix represents the 8 Federal requirements that must be taught. The matrix shows how we are mapping them back to each of the courses in the program.

Program: Welding									Credential: Associate in Applied Science (AAS) Degree	
Award: Welding Associate in Applied Science (AAS) Degree										
Cip: 48.0508										
LIST OF ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES										
SCANS COMPETENCIES								Course Number	Course Title	
1	2	3	4	5	6	7	8			
X	X	X	X	X	X		X	WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	
X	X	X	X	X	X		X	WLDG 2447	Advanced Gas Metal Arc Welding (GMAW)	
X	X			X	X		X	WLDG 1337	Introduction to Welding Metallurgy	
X	X	X	X	X	X		X	WLDG 1313	Introduction to Blueprint Reading for Welders	
X	X	X	X	X	X		X	WLDG 1417	Introduction to Layout and Fabrication	
X	X	X	X	X	X	X	X	WLDG 1427	Welding Codes and Standards	
X	X		X	X	X		X	WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	
X	X		X	X	X		X	WLDG 1430	Introduction to Gas Metal Arc Welding (GMAW)	
X	X		X	X	X		X	WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	
X	X	X	X	X	X		X	WLDG 1435	Introduction to Pipe Welding	
X	X	X	X	X	X		X	WLDG 2413	Intermediate Welding Using Multiple Processes	
X	X	X	X	X	X		X	WLDG 2453	Advanced Pipe Welding	
							8. BASIC USE OF COMPUTERS			
							7. WORKPLACE COMPETENCIES			
							6. PERSONAL QUALITIES			
							5. THINKING SKILLS			
							4. SPEAKING AND LISTENING			
							3. ARITHMETIC OR MATHEMATICS			
							2. WRITING			
							1. READING			

General Education Matrix: The General Education Matrix is state mandated. You will see the 6 requirements that the college is tasked with teaching and how they map back to the courses.

Program: Welding							Credential: Associate in Applied Science (AAS) Degree	
Award: Welding Associate in Applied Science (AAS) Degree								
Cip: 48.0508								
LIST OF ALL COURSES REQUIRED AND IDENTIFIED CORE OBJECTIVES								
GENERAL EDUCATION CORE OBJECTIVES						Course Number	Course Title	
1	2	3	4	5	6			
X	X		X	X	X	WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	
X	X		X	X	X	WLDG 2447	Advanced Gas Metal Arc Welding (GMAW)	
X	X			X	X	WLDG 1337	Introduction to Welding Metallurgy	
X	X	X	X	X	X	WLDG 1413	Introduction to Blueprint Reading for Welders	
X	X	X	X	X	X	WLDG 1417	Introduction to Layout and Fabrication	
X	X	X	X	X	X	WLDG 1427	Welding Codes and Standards	
X	X		X	X	X	WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	
X	X		X	X	X	WLDG 1430	Introduction to Gas Metal Arc Welding (GMAW)	
X	X		X	X	X	WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	
X	X		X	X	X	WLDG 1435	Introduction to Pipe Welding	
X	X	X	X	X	X	WLDG 2413	Intermediate Welding Using Multiple Processes	
X	X		X	X	X	WLDG 2453	Advanced Pipe Welding	
				6. Personal Responsibility				
				5. Social Responsibility				
				4. Teamwork				
				3. Empirical and Quantitative Skills				
				2. Communication Skills				
1. Critical Thinking Skills								

Program Outcomes Matrix: The Outcomes Matrix represents the Vernon College mandated requirements. They are the Program outcomes just approved and how they map back to the courses.

Program: Welding							Credential: Associate in Applied Science (AAS) Degree	
Award: Welding Associate in Applied Science (AAS) Degree								
Cip: 48.0508								
LIST OF ALL COURSES REQUIRED AND OUTCOMES								
OUTCOMES							Course Number	Course Title
1	2	3	4	5	6	7		
X	X				X		WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)
X		X			X		WLDG 2447	Advanced Gas Metal Arc Welding (GMAW)
					X		WLDG 1337	Introduction to Welding Metallurgy
X					X		WLDG 1413	Introduction to Blueprint Reading for Welders
X	X	X	X	X	X		WLDG 1417	Introduction to Layout and Fabrication
X	X	X	X	X	X		WLDG 1427	Welding Codes and Standards
X	X						WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)
X		X					WLDG 1430	Introduction to Gas Metal Arc Welding (GMAW)
X				X			WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding
X	X	X	X				WLDG 1435	Introduction to Pipe Welding
X	X	X	X	X	X		WLDG 2413	Intermediate Welding Using Multiple Processes
X	X	X	X	X	X		WLDG 2453	Advanced Pipe Welding
							7. OUTCOME Safely demonstrate Metal Cored Arc Welding (MCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	
							6. OUTCOME Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by blueprint.	
							5. OUTCOME Safely demonstrate Gas Tungsten Arc Welding (GTAW) processes in flat, horizontal, vertical and overhead positions to American Welding Society (AWS) and industry standards.	
							4. OUTCOME Safely demonstrate Flux Core Arc Welding (FCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	
							3. OUTCOME Safely demonstrate Gas Metal Arc Welding (GMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	
2. OUTCOME Safely demonstrate Shielded Metal Arc Welding (SMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.								
1. OUTCOME correctly read and interpret blueprints and weld symbols.								

Institutional Outcomes Matrix: The Institutional Outcomes Matrix represents the Vernon College mandated requirements. This matrix represents how the program outcomes map back to the institutional outcomes/general education outcomes.

Program: Welding							Credential: Associate in Applied Science (AAS) Degree
Award: Welding Associate in Applied Science (AAS) Degree							
Cip: 48.0508							
LIST OF ALL COURSES REQUIRED AND OUTCOMES							
OUTCOMES							General Education Outcomes
1	2	3	4	5	6	7	
X	X	X	X	X	X		1. Critical Thinking Skills
X	X	X	X	X	X		2. Communication Skills
X					X		3. Empirical and Quantitative Skills
X	X	X	X	X	X		4. Teamwork
X	X	X	X	X	X		5. Social Responsibility
X	X	X	X	X	X		6. Personal Responsibility
							7. OUTCOME Safely demonstrate Metal Cored Arc Welding (MCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
							6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by blueprint.
							5. Safely demonstrate Gas Tungsten Arc Welding (GTAW) processes in flat, horizontal, vertical and overhead positions to American Welding Society (AWS) and industry standards.
							4. Safely demonstrate Flux Core Arc Welding (FCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
							3. Safely demonstrate Gas Metal Arc Welding (GMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
							2. Safely demonstrate Shielded Metal Arc Welding (SMAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.
							1. Correctly read and interpret blueprints and weld symbols.

Johnny Brown opened the floor for discussion, hearing none he asked the committee for a motion to approve the matrices as presented.

Ronnie Stallcup made a motion to approve the matrices as presented.

Herb Johnson seconded the motion.

The motion passed and the committee approved the matrices as presented.

Program statistics: Graduates (from previous year/semester), current majors, current enrollment

- Program Statistics:
 - Graduates 2018-2019: (17 students)
 - Enrollment Summer 2019: (31 students)
 - Majors Fall 2018-2019: (Fall 6/ Spring 9/ Summer 2)
 - Enrollment Fall 2019: (352/ 192 students greater than last fall)

Local Demand

Johnny Brown does not have any openings right now with oil and gas so low currently.

Herb Johnson with TxDOT working he just increased staff from 3 to 6. He has the work and if financing could work they could use a couple more

Ronnie Stallcup and Joey Davis said it was slower and don't have openings currently.

Blair Shipp stated he would work with one more right now.

Jeremy Palacios they have slowed down to 40 hours a week but they are picking back up so they should have some positions open.

Evaluation of facilities, equipment, and technology. Recommendation for acquisition of new equipment and technology.

Johnny Brown asked if everyone had a chance to tour the facility and labs. He asked Chaz Tepfer if he would like to interject any information and Chaz reported the following.

Vernon College has just recently purchased four new Miller dual fed wire remotes. Two that allow pulse arc (GMAW). Vernon College is also looking to upgrade the ventilation system soon.

Johnny Brown asked if the committee had any recommendations for equipment.

External learning experiences, employment, and placement opportunities

Johnny Brown asked Chaz Tepfer to review the following with the committee.

*Due to Perkins transition this is the most recent report

Placement Rate of Program Completers by Reporting Year [1]			
Program	2013-2016 3-Year Average		
	Plc	Cmp	%
48050000-Precision Metal Working	60	64	93.75%

Sharp Iron, Eagle Rail Car, Pipe Runners, JVIC, Lake Road Welding, Big State, 3T Manufacturing, Chantex

Professional development of faculty and recommendations

Johnny Brown asked the committee to take this time to review the professional development opportunities the faculty has taken or will take advantage. He asked Chaz Tepfer to review the following information.

Vernon College has several faculty development opportunities throughout the year, face-to-face and online development. Also faculty development with helping with community projects like habitat for humanity.

Johnny Brown asked if the committee would like to interject any information or recommendations for the staff.

Promotion and publicity (recruiting) about the program to the community and to business and industry

Johnny Brown asked the committee to take time to review the promotion and publicity opportunities that those leading the program have taken advantage of.

Vernon College hosts recruiting events through out the spring and falls semesters that the welding program is involved in. Chaz has also traveled to area high schools in an effort to recruit. He has currently been to Iowa Park, Burkburnett, Seymour and the WFISD. Served as welding inspector for the WFISD weld off competition last spring. The welding program tries to keep close communication with the local industry as well.

Johnny Brown asked if anyone would like to interject any publicity and promotion.

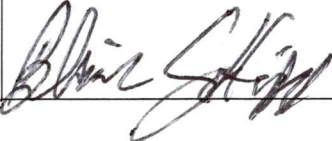
Serving students from special populations:

Johnny Brown asked the committee to review the special populations listed below.

1. Special populations new definitions:
 - a. Individuals with disabilities;
 - b. Individuals from economically disadvantaged families, including low-income youth and adults;
 - c. Individuals preparing for non-traditional fields; The Welding Program at this time has 8 Female students!
 - d. Single parents, including single pregnant women;
 - e. Out-of-workforce individuals;
 - f. English learners;
 - g. Homeless individuals described in section 725 of the McKinney-Vento Homeless Assistance Act (42 U.S.C. 11434a);
 - h. Youth who are in, or have aged out of, the foster care system; and
 - i. Youth with a parent who—

- i. a. is a member of the armed forces (as such term is defined in section 101(a)(4) of title 10, United States Code);
- ii. b. is on active duty (as such term is defined in section 101(d)(1) of such title).

Johnny Brown asked if there was any further discussion and hearing none. The meeting was adjourned.

Recorder Signature 	Date <i>10-31-2019</i>	Next Meeting: Fall 2020
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