Advisory Committee Fall 2023 Minutes
Welding
Skills Training Center - Multipurpose Room 400
October 17, 2023 – 12:06pm

Members Present	**Vernon College Faculty/Staff**
Jeremy Palacios	Chaz Tepfer
Jim Harris	Bettye Hutchins
Mark Patterson	Zachary Nguyen-Moore
Brian Aldrich	
Jocelyn Ott	

Members Not Present
Johnny Brown
Joey Davis
Blair Shipp

Welcome and Introductions .....David (Chaz) Tepfer
Chaz Tepfer welcomed committee members and invited all to introduce themselves.

Purpose of Advisory Committee .....Bettye Hutchins
Bettye Hutchins reviewed the purpose and importance of advisory committees and the role they play at Vernon College.

Election of Vice Chair, and Recorder .....Bettye Hutchins
Bettye Hutchins explained the roles of vice chair and recorder and invited the committee to volunteer or nominate others for these roles.
Volunteer for Vice Chair – Jeremy Palacios
Volunteer for Recorder – Jim Harris

Chair…… Jeremy Palacios

Old Business/Continuing Business.....Jeremy Palacios
Jeremy Palacios asked if there was any old business to discuss. With no old business, he moved on to discuss new business.

New Business .....Jeremy Palacios

- **<u>Review program outcomes, assessment methods/results, and workplace competency</u>**

Jeremy Palacios asked the faculty to review the following program outcomes.

Program outcomes

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 the blueprint.

❖ **Approve program outcomes**

Jeremy asked if there were any comments or questions. With no additional discussion, he asked for a motion to approve program outcomes as presented.
Jim Harris made a motion to approve.
Brian Aldrich seconded the motion.
The motion passed and the committee approved the program outcomes as presented.
Jeremy then moved on to assessment methods.

❖ **Approve assessment methods and results**

Jeremy Palacios asked the faculty to review the assessment methods. Chaz Tepfer provided a separate handout, an example of the Welding Test Evaluation Form, and reviewed relevant information.
Jeremy asked if there were any questions or comments. With no additional discussion, he asked for a motion to approve the assessment methods as presented.
Brian Aldrich made a motion to approve.
Mark Patterson seconded the motion.
The motion passed and the committee approved the assessment methods as presented.
Jeremy then moved on to workplace competency.

❖ **Approval of workplace competency (course or exam)**

Jeremy Palacios asked the faculty to review the following workplace competency.

Program Outcome	Number of students who took the course or licensure exam	Results per student	Use of results
1. Correctly read and interpret blueprints and weld symbols.	4 students Fall 22 4 students Spring 23 0 students Sum 23	100% 100%	Comments below
2. Safely demonstrate Shielded Metal Arc Welding (SMAW) processes in flat, horizontal, vertical, and overhead	4 students Fall 22 4 students Spring 23	75% 100%	

positions to American Welding Society (AWS) and industry standards.	0 students Sum 23		
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 students Fall 22 4 students Spring 23 0 students Sum 23	100% 100%	
4. Safely demonstrate Flux Core Arc Welding (FCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	4 students Fall 22 4 students Spring 23 0 students Sum 23	100% 100%	
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 students Fall 22 4 students Spring 23 0 students Sum 23	50% 50%	
6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by the blueprint	4 students Fall 22 4 students Spring 23 0 students Sum 23	100% 100%	
7. Safely demonstrate Metal Cored Arc Welding (MCAW) processes in flat, horizontal, vertical, and overhead positions to American Welding Society (AWS) and industry standards.	4 students Fall 22 4 students Spring 23 0 students Sum 23	100% 100%	

Jeremy asked if there were any questions or comments. With no additional discussion, he asked for a motion to approve the workplace competency as presented.
Brian Aldrich made a motion to approve.
Mark Patterson seconded the motion.
The motion passed and the committee approved the workplace competency as presented.
Jeremy then moved on to program revisions.

- **Review program curriculum/courses/degree plans**

Jeremy Palacios asked the faculty to review the following curriculum/courses/degree plans.

INSTRUCTOR to **COMMITTEE MEMBERS:** (Update members.) There are no recommended changes for the 2023-2024 year. This is the 2022-2023 curriculum below.

Basic Welding, Level 1 Certificate

CIP 48.0508

Instructional Location – Skills Training Center

CERTIFICATE OF COMPLETION (Probable Completion Time - 32 weeks or 2 semesters)
Major Requirements (25 SH)

LEAD 1100	Workforce Development with Critical Thinking	1
WLDG 1317	Introduction to Layout and Fabrication	3
WLDG 1337	Introduction to Welding Metallurgy	3
WLDG 1313	Introduction To Blueprint Reading For Welders	3
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
WLDG 1430	Introduction to Gas Metal Arc Welding (GMAW)	4
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG 1435	Introduction to Pipe Welding	4
	Total Credit Hours:	**26**

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

Advanced Welding, Level 1 Certificate

CIP 48.0508

Instructional Location – Skills Training Center

CERTIFICATE OF COMPLETION (Probable Completion Time - 32 Weeks or Two Semesters)
Major Requirements (20 SH)

WLDG 1327	Welding Codes and Standards	3
WLDG 2413	Intermediate Welding Using Multiple Processes	4
WLDG 2453	Advanced Pipe Welding	4
WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG 2447	Advanced Gas Metal Arc Welding (GMAW)	4
	Total Credit Hours:	**19**

Add AWS D1.1 Structural Steel qualification to WLDG 1327

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)

ENGL 1301	Composition I	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
MATH 1314	College Algebra	3
	or	
MATH 1332	Contemporary Mathematics	3
SPCH 1315	Public Speaking	3
LEAD 1100	Workforce Development with Critical Thinking	1
SFF>	Language, Philosophy, and Culture or Creative Arts Elective	3

Major Requirements (45 SH)

WLDG 1337	Introduction to Welding Metallurgy	3
WLDG 1313	Introduction To Blueprint Reading For Welders	3
WLDG 1317	Introduction To Layout And Fabrication	3
WLDG 1327	Welding Codes and Standards	3
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW) (A)	4
WLDG 1430	Introduction to Gas Metal Arc Welding (GMAW)	4
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG 1435	Introduction to Pipe Welding	4
WLDG 2413	Intermediate Welding Using Multiple Processes	4
WLDG 2453	Advanced Pipe Welding	4
WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG 2447	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.)*

Add AWS D1.1 Structural Steel qualification to WLDG 1327

Course descriptions and learning outcomes provided as a separate document.
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 WLDG1327 Welding Codes and Standards is through various Qualification tests. The tests that are offered are 3G plate and Chaz Tepfer does 6G pipe, the weld joint is prepared by the student and then welded the visual inspection. 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 are 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.

- **Approve program revisions (if applicable)**

Chaz Tepfer reviewed the current curriculum; no revisions were made this year. Jeremy Palacios asked if there were any comments or questions. With no additional discussion, he asked for a motion to approve the curriculum as presented.
Brian Aldrich made a motion to approve.
Mark Patterson seconded the motion.
The motion passed and the committee approved the curriculum as presented.
He then moved on to the following matrices.

- **Approve 2022-2023 SCANS, General Education, Program Outcomes, and Institutional Outcome Matrices.**

Jeremy Palacios asked the faculty to review the following matrices. Chaz Tepfer and Bettye Hutchins explained the following:

> **INSTRUCTOR: "The program has to work under three umbrellas: 1. Local or Vernon College, 2. State or THECB-Texas Higher Education Coordinating Board, and 3. Federal. To ensure the Program is following all rules and regulations, we use matrices to map the requirements back to the courses."**

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 Award: Welding Associate in Applied Science (AAS) Degree								**Credential: 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 1317*	Introduction to Layout and Fabrication
X	X	X	X	X	X	X	X	WLDG 1327**	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
X	X		X	X	X	X		LEAD 1100	Workforce Development with Critical Thinking
							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 1313*	Introduction to Blueprint Reading for Welders
X	X	X	X	X	X	WLDG 1317*	Introduction to Layout and Fabrication
X	X	X	X	X	X	WLDG 1327**	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
X	X		X	X	X	LEAD 1100	Workforce Development with Critical Thinking
					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**		
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 1313*	Introduction to Blueprint Reading for Welders
X	X	X	X	X	X	WLDG 1317*	Introduction to Layout and Fabrication
X	X	X	X	X	X	WLDG 1327**	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
					6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by the 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.							

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**	
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
						6. Select appropriate materials, tools, and equipment to construct metal projects to specification as dictated by the 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.

Jeremy asked if there were any questions or comments. With no additional discussion, he asked for a motion to approve matrices as presented.
Brian Aldrich made a motion to approve.
Jim Harris 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**

Jeremy Palacios asked the faculty to review the following program statistics.

Faculty member discussion:

- Program Statistics:
  - Graduates 2022-2023: 8
  - Enrollment Summer 2023: 22
  - Majors Fall 2022-2023: 152/149
  - Enrollment Fall 2023: 149

Jeremy asked if there were any questions or comments. With no additional discussion, he moved on to local demand.

❖ **Local Demand/ CLNA Survey**

Jeremy Palacios invited Bettye Hutchins to review the accuracy of the following chart. Bettye then administered the Comprehensive Local Needs Assessment survey for use in compulsory reporting. After the survey, Jeremy moved on to facilities, equipment, and technology evaluation.

Occupation	National Median Wage	State Median Wage	Local Median Wage	Current /Projected Job openings (annual)	Projected Growth (annual)
Welders, Cutters, Solderers, & Brazers	$24.26/hr $46,579/annual	$25.24/hr $48,460/annual	$23.12/hr $44,398/annual	6,792 (state) 70 (local)	2.11% (state) .29% (local)
Welding, Soldering, & Blaxing Machine Setters, Operators, & Tenders	$22.14/hr $42,566/annual	$24.89/hr $47,788/annual	n/a	303 (state)	1.12% (state)
1st Line Supervisor- Production & Operating Workers	$33.22/hr $63,782/annual	$33.36/hr $64,051/annual	$31.09/hr $59,695/annual	5,926 (state) 42 (local)	1.54% (state) .86% (local)

*Labor Market Outlook (O*NET)

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

Jeremy Palacios asked the faculty to review the evaluation of facilities, equipment, and technology.

No new equipment has been purchased. SAW Table in the future.

Jeremy asked if there were any questions or comments. With no additional discussion, he then moved on to external learning experiences, etc.

❖ **External learning experiences, employment, and placement opportunities**

Jeremy Palacios asked the faculty to review the following information regarding external learning experiences, employment, and placement opportunities.

Faculty: "Vernon College offers a job board on the website. Businesses can contact Career Services to add jobs or you can post yourself. VC also subscribes to a service called GradCast. Within this program, over 600,000 business and industry contacts are available to the graduates to send up to 100 free resumes within a set zip code. If you would like to have your business as part of that database, please contact Bettye Hutchins at, bhutchins@vernoncollege.edu."

Placement Rate of Program Completers by Reporting Year [1]												
	2016-2017			2017-2018			2018-2019			3-Year Average		
Program	Plc	Cmp	%	Plc	Cmp	%	Plc	Cmp	%	Plc	Cmp	%
48050000-Precision Metal Working	35	35	100%	20	21	95.24%	15	15	100%	70	71	95.59%

Jeremy asked if there were any questions or comments. With no additional discussion, he then moved on to professional development.

❖ **Professional development of faculty and recommendations**

Jeremy Palacios asked the faculty to review any professional development opportunities they may have taken advantage of.

Vernon College has several faculty development opportunities throughout the year, face-to-face and online development training
Faculty will be attending TACTE conference in Spring of '24.

Jeremy asked if there were any questions or comments. With no additional discussion, he then moved on to promotion and publicity.

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

Jeremy Palacios asked the faculty to review the following promotion and publicity/recruiting opportunities taken advantage of.

Vernon College is always trying to promote the Welding Program through several outlets; Web-Site, Facebook, Twitter, Instagram etc..
I was able to have some tours come to the weld shop last spring and have 6 students from the CEC center attending the program this Fall.

Jeremy asked if there were any questions or comments. With no additional discussion, he then moved on to special populations.

Jeremy Palacios asked the faculty to review the updated definitions of special populations and the services available to those who qualify.

Vernon College is an open-enrollment college. The Proactive Assistance for Student Services (PASS) department offers many services for documented disabilities such as but not limited to quiet testing, longer testing times, interpreters, and special equipment.

Vernon College has a program titled "New Beginnings" for students who qualify to receive transportation, childcare, and/or textbook loans. Perkins funding is also offering assistance to break down barriers such as uniform, supply, and equipment costs.

Peer to Peer mentoring, tutoring (online and in-person), resume building, student success series, and counseling are just a few of the other options/services available to students.

1. Special population's new definitions:
    a. Individuals with disabilities;
    b. Individuals from economically disadvantaged families, including low-income youth and adults;
    c. Individuals preparing for nontraditional fields; 4 females, rest males
    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. is a member of the armed forces (as such term is defined in section 101(a)(4) of title 10, United States Code);
        ii. is on active duty (as such term is defined in section 101(d)(1) of such title).

After review, Jeremy asked if the committee had any further action, discussion or recommendations. The committee offered none.

Jeremy adjourned the meeting at 1:12pm.

Recorder Signature	Date	Next Meeting: Fall 2024
	5-29-2024	