

Program Information Report

School of Apprenticeship and Occupational Studies

Find a trade-related associate's degree program that builds on your professional abilities while giving you the knowledge and skills needed to move into organizational leadership.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

The next level, an Associate in Applied Science, is available for some programs.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate and General Education requirements.

Welding and Fabrication

Learn skills from beginning welding to advanced fabrication for a career as a welding maintenance mechanic.

Accelerated Training in Welding (CTAWTR)

Certificate

Program Effective Term: Fall 2013

This program focuses on Gas Tungsten Arc Welding, Shielded Metal Arc Welding and Oxy-fuel Cutting processes for the pipe fitting industry. After completion of this program, students will be admissible into an apprenticeship program at a second-year level. This program is limited to students who are selected by the United Association for program participation.

Applying for Admission to the Program:

Classes are taught at unions throughout the United States. Students must provide their own personal protective equipment for the class. Students must also provide their own room and board.

Program Admission Requirements:

- Must be at least 18 years old
- High school diploma or General Education Development (GED) certificate
- Valid driver's license
- Documentation of an eye exam that was administered within the past 6 months that shows acceptable near distance vision and depth perception
- Pass a urinalysis drug test
- Eligible students who are selected by the United Association for program participation

Major/Area Requirements

UAF 190 Accelerated Welder Training

(12 credits)

12

Minimum Credits Required for the Program:

12

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: ~~UAF-190~~ CCAWT

Program Name: Accelerated Welding Training

Effective Term: SS13

Division Code: ATP

Department: UA

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- | | |
|--|---|
| ☐ Review | ☐ Program admission requirements |
| ☐ Remove course(s): _____ | ☐ Continuing eligibility requirements |
| ☐ Add course(s): _____ | ☐ Program outcomes |
| ☐ Program title (title was _____) | ☐ Accreditation information |
| ☐ Description | ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| ☐ Type of award | ☒ Other Change in number of credits awarded _____ |
| ☐ Advisors | |
| ☐ Articulation information | |

Show all changes on the attached page from the catalog.

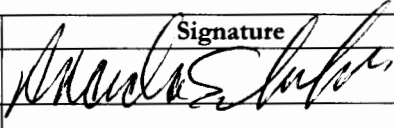
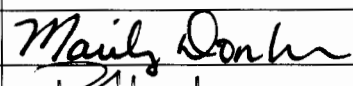
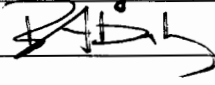
Rationale for proposed changes or discontinuation:

After operating the UA Welding accelerated program, it was determined that the credits should be adjusted to 12 credits for the class. The change will more accurately reflect the student instructor contact hours. UA students attend 720 hours of training for this class. The proposed change allows 60 hours of lab time to equate to one credit hour in the Accelerated Welding Program.

Financial/staffing/equipment/space implications:

List departments that have been consulted regarding their use of this program.

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Amanda Scheffler		4-17-13
Department Chair			
Division Dean/Administrator	Marilyn Donham		4/16/13
Vice President for Instruction	Bill Abernethy		6/17/13
President	Rose Bellanca		

Do not write in shaded area. Entered in: Banner _____ C&A Database _____ Log File 4/20/13 Board Approval _____

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

fx logged 4/17/13 
Office of Curriculum & Assessment

Program Information Report**School of Apprenticeship and Occupational Studies**

Find a trade-related associate's degree program that builds on your professional abilities while giving you the knowledge and skills needed to move into organizational leadership.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

The next level, an Associate in Applied Science, is available for some programs.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate and General Education requirements.

Welding and Fabrication

Learn skills from beginning welding to advanced fabrication for a career as a welding maintenance mechanic.

Accelerated Welder Training (CAWT)**Certificate of Completion**

Program Effective Term: Fall 2013

This program focuses on Gas Tungsten Arc Welding, Shielded Metal Arc Welding and Oxy-fuel Cutting processes for the pipe fitting industry. After completion of this program, students will be admissible into an apprenticeship program at a second-year level. This program is limited to students who are selected by the United Association for program participation.

Applying for Admission to the Program:

Classes are taught at unions throughout the United States. Students must provide their own personal protective equipment for the class. Students must also provide their own room and board.

Program Admission Requirements:

- Must be at least 18 years old
- High school diploma or General Education Development (GED) certificate
- Valid driver's license
- Documentation of an eye exam that was administered within the past 6 months that shows acceptable near distance vision and depth perception
- Pass a urinalysis drug test
- Eligible students who are selected by the United Association for program participation

Major/Area Requirements

UAF 190 Accelerated Welder Training

(12 credits)**12****Minimum Credits Required for the Program:****12**

ACADEMICS

Accelerated Welder Training (CCAWT)

Certificate of Completion

2012 - 2013 2013 - 2014

Description

This program focuses on Gas Tungsten Arc Welding, Shielded Metal Arc Welding and Oxy-fuel Cutting processes for the pipe fitting industry. After completion of this program, students will be admissible into an apprenticeship program at a second-year level. This program is limited to students who are selected by the United Association for program participation.

Admissions Requirements

- Must be at least 18 years old
- High school diploma or General Education Development (GED) certificate
- Valid driver's license
- Documentation of an eye exam that was administered within the past 6 months that shows acceptable near distance vision and depth perception
- Pass a urinalysis drug test
- Eligible students who are selected by the United Association for program participation

Applying for Admission to the Program

Classes are taught at unions throughout the United States. Students must provide their own personal protective equipment for the class. Students must also provide their own room and board.

Contact Information

Division: Adv Tech/Public Serv Careers
Department: United Association Dept
Advisors: Randy Gandy, Phil Martin

Requirements

Major/Area Requirements

Class	Title	Credits
UAF 190	Accelerated Welder Training	12
Total		6
Total Credits Required:		12

PROGRAM PROPOSAL FORM

- ☐ **Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.
- ☒ **Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

Program Name: Division and Department: Type of Award: Effective Term/Year: Initiator:	<u>Accelerated Welder Training Program</u> <u>Public Service Careers & Apprenticeships</u> ☐ AA ☐ AS ☐ AAS ☐ Cert. ☐ Adv. Cert. ☐ Post-Assoc. Cert. ☒ Cert. of Comp. <u>Spring 2012</u> <u>Amanda Scheffler</u>		Program Code: <u>CCA WT</u> CIP Code: <u>48.0508</u>
Program Features Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program.	The program will focus on Gas Tungsten Arc Welding, Shielded Metal Arc Welding and Oxy-Fuel Cutting processes for the pipe fitting industry. The class will be taught from Local Union training centers and from mobile training trailers to allow the United Association to offer the program where the demand for these skills is highest. After completion of this program, students will be admissible into an apprenticeship program at a second year level.		
Need Need for the program with evidence to support the stated need.	As of 2011, the average age of a welder in the United Association is 54 years old. The United Association forecasts the need to replace up to 8,000 qualified welders within the next few years and this will help jump-start the training of welder candidates for the pipe fitting industry to help meet that demand.		
Program Outcomes/Assessment State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	<u>Outcomes</u> 1. Demonstrate proper use of Oxy-Fuel Cutting equipment, arc welding equipment and hand tools. 2. Identify common joint designs, fittings and blueprint symbols used in the pipe fitting industry. 3. Weld a 6" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions with the Shielded Metal Arc Welding (SMAW) process. 4. Weld a 6" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions with the Gas Tungsten Arc Welding (GTAW) process. 5. Assemble and weld a pipe spool piece project as directed on a blueprint with all welds conforming to ASME B31.1 weld quality standards. 6. Weld a 3" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions on stainless steel with the Gas Tungsten Arc Welding (GTAW) process.	<u>Assessment method</u> 1. Performance checklist and quiz 2. Quiz and pipe project assembly 3. Gauges will be used to measure weld quality to ASME B31.1 code 4. Gauges will be used to measure weld quality to ASME B31.1 code 5. Gauges will be used to measure weld quality to ASME B31.1 code 6. Gauges will be used to measure weld quality to ASME B31.1 code	

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Curriculum List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.	UAF 190 Accelerated Welder Training Program - 6 credits		
Budget Specify program costs in the following areas, per academic year:		START-UP COSTS	ONGOING COSTS
	Faculty	\$.	\$.
	Training/Travel	.	.
	Materials/Resources	.	.
	Facilities/Equipment	.	.
	Other	.	.
	TOTALS:	\$.	\$.
Program Description for Catalog and Web site	This will not be offered in the catalog or on the website.		
Program Information	Accreditation/Licensure - Advisors – Randall Gandy and Phil Martin Advisory Committee – Phil Martin, Scott Klapper and Amanda Scheffler Admission requirements – 1. Be at least 18 years old 2. A high school diploma or General Education Development (GED) certificate 3. A valid driver's license 4. Have documentation of an eye exam that was administered within the previous 6 months that shows acceptable near distance vision and depth perception 5. Must pass a urinalysis drug test. 6. Eligible students who are selected by the United Association for program participation. Articulation agreements - None Continuing eligibility requirements - None		

Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
Demonstrate proper use of Oxy-Fuel Cutting equipment, arc welding equipment and hand tools.	Quiz and demonstration	Fall 2012	All sections	All
Identify common joint designs, fittings and blueprint symbols used in the pipe fitting industry.	Quiz and pipe project	Fall 2012	All sections	All
Weld a 6" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions with the Shielded Metal Arc Welding (SMAW) process.	Weld coupon	Fall 2012	All sections	All
Weld a 6" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions with the Gas Tungsten Arc Welding (GTAW) process.	Weld coupon	Fall 2012	All sections	All
Assemble and weld a pipe spool piece project as directed on a blueprint with all welds conforming to ASME B31.1 weld quality standards.	Weld coupon	Fall 2012	All sections	All
Weld a 3" schedule 40 pipe joint in the horizontal (2G) and vertical (5G) positions on stainless steel with the Gas Tungsten Arc Welding (GTAW) process.	Weld coupon	Fall 2012	All sections	All

Scoring and analysis plan:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

Quizzes will be measured with an answer key.

Demonstration will be measured with a performance checklist.

Pipe blueprint project will be measured with AWS (American Welding Society) A2.4 standards.

Weld coupons will be measured in accordance with ASME (American Society of Mechanical Engineers) B31.1 Power Piping code.

2. Indicate the standard of success to be used for this assessment.

90% of students will score 80% or above on the quizzes.

90% of students will score 80% or above on the performance checklist.

80% of students will assemble the pipe project in accordance with the blueprint.

80% of students will weld coupons in accordance with ASME B31.1 code.

3. Indicate who will score and analyze the data.

Departmental Faculty

4. Explain how and when the assessment results will be used for program improvement.

The assessment results will be reviewed by the advisory committee after collecting the data for the first semester to discuss where improvements of student outcomes can be made.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Scott Klapper	Scott Klapper	1-31-12
Dean	Scott Klapper	Scott Klapper	1-31-12
Vice President for Instruction ☐ Approved for Development ☒ Final Approval	Scott Blacklow	Scott Blacklow	2-15-12
President	Rose Bellanca	Rose Bellanca	4-3-12
Board Approval			4-24-12

Program Information Report

School of Apprenticeship and Occupational Studies

Find a trade-related associate's degree program that builds on your professional abilities while giving you the knowledge and skills needed to move into organizational leadership.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

The next level, an Associate in Applied Science, is available for some programs.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate and General Education requirements.

Welding and Fabrication

Learn skills from beginning welding to advanced fabrication for a career as a welding maintenance mechanic.

Accelerated Welder Training (CAWT)

Certificate of Completion

Program Effective Term: Fall 2012

This program focuses on Gas Tungsten Arc Welding, Shielded Metal Arc Welding and Oxy-fuel Cutting processes for the pipe fitting industry. After completion of this program, students will be admissible into an apprenticeship program at a second-year level. This program is limited to students who are selected by the United Association for program participation.

Applying for Admission to the Program:

Classes are taught at unions throughout the United States. There is no charge for the class. However, students must provide their own personal protective equipment for the class. Students must also provide their own room and board.

Program Admission Requirements:

- Must be at least 18 years old
- High school diploma or General Education Development (GED) certificate
- Valid driver's license
- Documentation of an eye exam that was administered within the past 6 months that shows acceptable near distance vision and depth perception
- Pass a urinalysis drug test
- Eligible students who are selected by the United Association for program participation

Program Requirements

UAF 190 Accelerated Welder Training

6

Minimum Credits Required for the Program:

6