

## GUIDED PATHWAY

The following sequence is the suggested pathway to complete the certificate. This sequence is based on satisfaction of all basic skills requirements and prerequisites. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your academic advisor for other options and to monitor your progress.

*Program Name: SMAW Pipe Certificate*

*Program Student Learning Outcomes (SLOs):*

1. Apply safe practices specific to a welding environment and the equipment. (2,3,5,6)
2. Demonstrate logical and mathematical approaches to problem-solving in areas related to the welding industry. (3)
3. Complete AWS pipe test in SMAW process for 1G,2G,5G and 6G positions. (6)

**Required General Education Courses for AAS Degree attainment: These courses are to be completed in a traditional semester format. They can be completed prior to, in conjunction with, or following completion of the competency-based program courses shown below. All courses must be complete to graduate.**

Course	AGEC course?	Terms	Credits
Not applicable			
<i>Total General Education Credits:</i>			

Required Course Enrollment for all CBE courses: All students must follow the course outline below. Students who fail to complete a course within the subscription period will receive a grade of incomplete (I) and will continue on that course until it is complete in the next subscription period. Failure to complete the course in the next subscription period will result in a grade of "F" being awarded. Students wishing to return to the program after receiving a grade of "F" must re-enter the program at the beginning of the previously failed course.

Courses Required	AGEC course?	Delivery Method*	Credits
WLD 103	N	CBE	3
WLD 104	N	CBE	5
WLD 106	N	CBE	4
WLD 107	N	CBE	5
WLD 115	N	CBE	3
WLD 123	N	CBE	6
WLD 223	N	CBE	5

**Key:**

CBE= Competency-based Education

1. Aesthetic Sensibilities: An awareness of creative expression in the world around us.
2. Communication Skills: The ability to effectively convey meaning through various media on both personal and professional levels.
3. Critical Thinking Skills and Problem-Solving: The ability to analyze data and arrive at logical and defensible conclusions.
4. Cultural Diversity and Global Awareness: An appreciation of relationships and differences in values, customs, and norms of diverse global communities.
5. Techniques of Inquiry: Use of standardized methodological framework to collect, analyze, interpret, and present findings.
6. Technological Competency: A proficiency in evolving technology to compete and flourish in society.

Total General Ed credits	0
Total Program credits	31
Total credits	31