

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: GMAW/FCAW 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 GMAW process for 1G,2G,5G and 6G positions. (6)
4. Complete AWS pipe test in FCAW process for 1G,2G,5G and 6G positions. (6)

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		CBE	3
WLD 104		CBE	5
WLD 106		CBE	4
WLD 107		CBE	5
WLD 115		CBE	3
WLD 133		CBE	6
WLD 233		CBE	4

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	30
Total credits	30