



Program Alignment Common Courses

SMAW 3 credits

KSDE/High School Course(s):

- 18404/Agricultural Welding I
- OR**
- 39207/Welding Processes I

GMAW 3 credits

KSDE/High School Course(s):

- 18404/Agricultural Welding I
 - 18407/Agricultural Welding II
- OR**
- 39207/Welding Processes I
 - 39208/Welding Processes II

Excel in CTE: Qualification Requirements SMAW & GMAW*

1. Demonstrate 1F single pass ¼" weld on ¼"x2"x12" Tee joint.
2. Demonstrate 2F 3 pass 3/8" welds on ¼"x2"x12" Tee joint.
3. Demonstrate 1G multi-pass welds on 3/8"x3"x7" Single V (45 degrees) plate with ¼"x1"x9" backing bar.
4. Prepare 1G weldment (#3) for root and face bend test.
5. Pass bend test according to applicable testing criteria.
6. Complete requirements for industry certification(s) (e.g., AWS SENSE program).

Notes

To receive postsecondary credit for Welding Technology courses, the student must:

1. Complete the KSDE approved high school Career Cluster Pathway (CCP) program with a minimum of a 3.0 cumulative high school GPA. Student must earn a B or higher for any of the KSDE/high school courses listed.
2. Attain completer status through successful completion of high school CCP sequence of courses. (A completer is a student who has earned a minimum of three secondary level credits in a single CTE pathway, with at least two of those credits being a combination of technical and application-level courses. The student must also earn or complete at least one or more of the following aligned to the Pathway/Program: Industry-recognized certification or passing score on a third-party, end-of-pathway assessment; Excel in CTE Qualifying Recognized Credential; Nine + college hours leading to completion of a certificate or postsecondary program; or High-quality work-based learning career preparation experience [KSDE, *Kansas Career Cluster Guidance Handbook 2024-2025*, p.50].)
3. Provide a certified letter or official transcript from high school verifying the completion of the designated CCP to the postsecondary institution's Office of the Registrar.
4. Submit a CCP Credit Award Request Form signed by an authorized high school official verifying completion of the KSDE approved CCP to the postsecondary institution's Office of the Registrar.
5. *Submit documentation of meeting Excel in CTE/KSDE Benchmark 7.0 requirements performed by a Certified Welding Instructor (CWI). In the absence of documentation (e.g., Excel in CTE Testing Record, AWS Testing Record, etc.), students may be subject to a placement weld test conducted by the postsecondary institution. This test shall be at no cost to the student and only used when the student is unable to provide the preferred documentation. The purpose for this alternate method is for high schools that do not have access to a CWI or the AWS SENSE program.
6. Meet all of the postsecondary institution's admissions criteria and program prerequisites.
7. Successfully complete the next postsecondary course in the sequence.
8. Complete a minimum of 12 credit hours of postsecondary institution's undergraduate coursework as a full-time direct from high school student in good standing with at least a 2.0 GPA.