

**Central Texas College District**  
**Associate of Applied Science in Welding (AAS-WLD15) (AAS-WLDG)**

Degree Map

Fort Hood, TX; Fort Leonard Wood, MO; Fort Riley, KS

**Degree Objective-** Prepares graduates for a variety of technical and welding positions in the welding industry such as welding applications, welding technician, welding supervisor, and welding inspector. Degree plan comprises 60 semester credit hours of which 45 are in welding safety, oxy-fuel welding, shielded arc welding, gas tungsten arc welding, pipe welding, and related subjects. This degree may be appropriate for transfer into a technical-related, bachelor-level degree program.

**Academic Residency-** 15 semester hours

**POINT OF CONTACT**  
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DEGREE REQUIREMENTS				HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT/ LIC	DIST LRNG See Note 2
<b>General Education</b>				<b>15-16 SH</b>					
<b>English</b>				<b>3 SH</b>					
ENGL	1301	Composition I	3	X			X		X
<b>Speech</b>				<b>3 SH</b>					
SPCH	1315	Public Speaking	3	X			X		X
SPCH	1318	Interpersonal Communication	3	X					
SPCH	1321	Business and Professional Communications	3	X					X
<b>Humanities/Fine Arts</b>				<b>3-4 SH</b>					
ANTH	2351	Cultural Anthropology	3	X					X
ARTS	1303	Art History I	3	X					X
ARTS	1304	Art History II	3	X					X
DRAM	1310	Introduction to Theater	3	X					
DRAM	2361	History of Theatre I	3	X					
DRAM	2362	History of Theatre II	3	X					
DRAM	2366	Introduction to Cinema	3	X					
ENGL	2322	British Literature I	3	X			X		X
ENGL	2323	British Literature II	3	X			X		X
ENGL	2327	American Literature I	3	X			X		X
ENGL	2328	American Literature II	3	X			X		X
ENGL	2332	World Literature I	3	X					X
FREN	1411	Beginning French I	4	X	X		X		X
FREN	1412	Beginning French II	4	X	X		X		X
GERM	1411	Beginning German I	4	X	X		X		X
GERM	1412	Beginning German II	4	X	X		X		X
HUMA	1315	Fine Arts Appreciation	3	X			X		X
MUSI	1306	Music Appreciation	3	X					X
MUSI	1307	Music Literature	3	X					X
PHIL	1301	Introduction to Philosophy	3	X					X
PHIL	1304	Introduction to World Religions	3	X			X		X
PHIL	2306	Introduction to Ethics	3	X					X
PHIL	2307	Introduction to Social and Political Philosophy	3	X					X
PHIL	2321	Philosophy of Religion	3	X					
RUSS	1411	Beginning Russian I	4	X	X		X		X
RUSS	1412	Beginning Russian II	4	X	X		X		X
SPAN	1411	Beginning Spanish I	4	X	X		X		X
SPAN	1412	Beginning Spanish II	4	X	X		X		X
		Humanities/Fine Arts Elective			X		X		X
<b>Mathematics</b>				<b>3 SH</b>					
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3	X			X		X
<b>Government/Political Science</b>				<b>3 SH</b>					
GOVT	2305	Federal Government	3	X			X		X
GOVT	2306	Texas Government	3	X					
<b>Major Requirements</b>				<b>45 SH</b>					
WLDG	1312	Introduction to Flux Core Arc Welding (FCAW)	3	X					
WLDG	1313	Introduction to Blueprint Reading for Welders	3	X	X	X			
WLDG	1323	Welding Safety, Tools, and Equipment	3	X	X	X			
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4	X	X	X			
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	X	X				
WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4	X	X	X			
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4	X	X	X			
WLDG	1435	Introduction to Pipe Welding	4	X					
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4	X	X				
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4	X					
WLDG	2453	Advanced Pipe Welding	4	X					
WLDG	2435	Advanced Layout and Fabrication	OR	4	X				
WLDG	2488	Internship-Welding Technology/Welder	4	X	X	X			

<b>Total Credits</b>	<b>60 SH</b>	
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- Notes:**
- 1) An "X" in a column indicates that the Institution guarantees to accept credit from the source shown for at least part of the requirement.
  - 2) This column indicates whether a school accepts transfer credit for courses taken through distance learning. It does not mean that the school offers the course through distance learning.
  - 3) A course may be used toward one requirement only.
  - 4) Only lower-level courses are accepted in transfer.
  - 5) The student is responsible for meeting course prerequisites. It is recommended that the student take placement tests prior to enrolling in mathematics, reading-intensive, and writing courses. Based on scores, the student may be required to take a series of developmental study courses.
    - a) Mathematics courses may include DSMA 0101 Basic Developmental Mathematics, DSMA 0120 Mathematics Lab, DSMA 0300 Developmental Mathematics I, DSMA 0301 Developmental Mathematics II, DSMA 0303 Developmental Mathematics IV, DSMA 0304 Fundamentals of Mathematics II, DSMA 0305 Pre-Algebra, DSMA 0306 Introductory Algebra, DSMA 0307 Intermediate Algebra, DSMA 0309 Fundamentals of Algebra, and/or DSMA 0310 Intermediate Algebra.
    - b) Reading courses may include DSRE 0101 Developmental Reading, DSRE 0300 Developmental Reading I, DSRE 0301 Developmental Reading II, DSRE 0302 Fundamentals of Reading I, DSRE 0303 Fundamentals of Reading II, and/or DSRE 0311 Developmental Reading II.
    - c) Writing courses may include DSWR 0301 Developmental Writing I, DSWR 0302 Developmental Writing II, DSWR 0303 Fundamentals of Writing I, DSWR 0304 Fundamentals of Writing II, and/or DSWR 0311 Developmental Writing II.
  - 6) The non-native English speaking student may be required to take English-as-a-Second Language courses in reading, speaking, and writing.
    - a) Reading courses may include DSLA 0310 Reading and Vocabulary I, DSLA 0320 Reading and Vocabulary II, and/or DSLA 0330 Reading and Vocabulary III.
    - b) Speaking courses may include DSLA 0323 Academic Listening and Speaking I, DSLA 0322 Academic Listening and Speaking II, DSLA 0332 Academic Listening and Speaking III, and/or DSLA 0340 Accent Reduction.
    - c) Writing courses may include DSLA 0314 Writing I, DSLA 0315 Grammar I, DSLA 0318 English for Foreign Students I, and/or DSLA 0321 Writing II.
- \*If the student takes more than 19 SH in general education, the number of semester hours required in free electives is reduced accordingly to meet the minimum 72 semester hours required for the degree. For example, if the student takes 21 SH in general education, the student takes 1 SH free elective. The student may also use credit awarded for MOS or military service school.

<b>Date Effective:</b>	1-Jan-19
<b>Term Effective:</b>	T730