

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

SOCAD-2 Network: None

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

<p><b>Degree Objective-</b> 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 72 semester credit hours of which 50 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.</p>	<p><b>POINT OF CONTACT</b>  Denise Hazlett, Director of Evaluations  P.O. Box 1800, Killeen, TX 76540  (254) 526-1394 or (800) 792-3348, ext. 1394  (254) 526-1481  ctc.socad@ctcd.edu  www.ctcd.edu</p>
<p><b>Academic Residency-</b> 18 semester hours</p>	

DEGREE REQUIREMENTS				SOC CAT.	HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT/LIC	DIST LRNG See Note 2
<b>General Education</b>			<b>19-21 SH</b>							
<b>English</b>			<b>3 SH</b>							
ENGL	1301	Composition I	3	EN024A	X			X		X
<b>Speech</b>			<b>3 SH</b>							
SPCH	1315	Public Speaking	3	CM001A	X			X		X
SPCH	1321	Business and Professional Communications	3		X					X
<b>Humanities/Fine Arts</b>			<b>3-4 SH</b>							
ANTH	2301	Physical Anthropology	3		X					X
ANTH	2302	Introduction to Archeology	3		X					X
ANTH	2346	General Anthropology	3	AN001A	X			X		X
ANTH	2351	Cultural Anthropology	3	AN002A	X					X
ARAB	1311	Beginning Arabic I	3		X	X		X		X
ARAB	1312	Beginning Arabic II	3		X	X		X		X
ARAB	1411	Beginning Arabic I	4		X	X		X		X
ARAB	1412	Beginning Arabic II	4		X	X		X		X
ARAB	2311	Intermediate Arabic I	3		X	X		X		X
ARAB	2312	Intermediate Arabic II	3		X	X		X		X
ARTS	1303	Art History I	3		X					X
ARTS	1304	Art History II	3		X					X
ARTS	1311	Design I	3		X					
ARTS	1312	Design II	3		X					
ARTS	1316	Drawing I	3		X					
ARTS	1317	Drawing II	3		X					
ARTS	2311	Design III	3		X					
ARTS	2313	Design Communications I	3		X					
ARTS	2314	Design Communications II	3		X					
ARTS	2316	Painting I	3		X					
ARTS	2317	Painting II	3		X					
ARTS	2323	Life Drawing I	3		X					
ARTS	2326	Sculpture I	3		X					
ARTS	2341	Art Metals I	3		X					
ARTS	2342	Art Metals II	3		X					
ARTS	2346	Ceramics I	3		X					
ARTS	2347	Ceramics II	3		X					
ARTS	2356	Photography I	3		X	X				
ARTS	2357	Photography II	3		X					
ARTS	2366	Watercolor I	3		X					
CHIN	1311	Beginning Chinese I	3		X	X		X		X

CHIN	1312	Beginning Chinese II	3		X	X		X		X
CHIN	1411	Beginning Chinese I	4		X	X		X		X
CHIN	1412	Beginning Chinese II	4		X	X		X		X
CHIN	2311	Intermediate Chinese I	3		X	X		X		X
CHIN	2312	Intermediate Chinese II	3		X	X		X		X
CZEC	1311	Beginning Czech I	3		X	X		X		X
CZEC	1312	Beginning Czech II	3		X	X		X		X
DRAM	1310	Introduction to Theater	3		X					
DRAM	1320	Theater Practicum I	3		X					
DRAM	1321	Theater Practicum II	3		X					
DRAM	1330	Stagecraft I	3		X					
DRAM	1351	Acting I	3		X					
DRAM	1352	Acting II	3		X					
DRAM	2336	Voice for the Theater	3		X					
DRAM	2366	Development of the Motion Picture I	3		X					
DRAM	2367	Development of the Motion Picture II	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
ENGL	2333	World Literature II	3		X					X
FREN	1411	Beginning French I	4		X	X		X		X
FREN	1412	Beginning French II	4		X	X		X		X
FREN	2311	Intermediate French I	3		X	X		X		X
FREN	2312	Intermediate French II	3		X	X		X		X
GERM	1411	Beginning German I	4		X	X		X		X
GERM	1412	Beginning German II	4		X	X		X		X
GERM	2311	Intermediate German I	3		X	X		X		X
GERM	2312	Intermediate German II	3		X	X		X		X
HIND	1411	Beginning Hindi I	4		X	X		X		X
HIND	1412	Beginning Hindi II	4		X	X		X		X
HIND	2311	Intermediate Hindi I	3		X	X		X		X
HIND	2312	Intermediate Hindi II	3		X	X		X		X
HIST	2311	Western Civilization I	3	HI301A	X			X		X
HIST	2312	Western Civilization II	3		X			X		X
HIST	2381	African-American History	3		X					X
HUMA	1315	Fine Arts Appreciation	3		X			X		X
INDO	1411	Beginning Indonesian I	4		X	X		X		X
INDO	1412	Beginning Indonesian II	4		X	X		X		X
INDO	2311	Intermediate Indonesian I	3		X	X		X		X
INDO	2312	Intermediate Indonesian II	3		X	X		X		X
ITAL	1311	Beginning Italian I	3		X	X		X		X
ITAL	1312	Beginning Italian II	3		X	X		X		X
ITAL	2311	Intermediate Italian I	3		X	X		X		X
ITAL	2312	Intermediate Italian II	3		X	X		X		X
JAPN	1311	Beginning Japanese I	3		X	X		X		X
JAPN	1312	Beginning Japanese II	3		X	X		X		X
JAPN	1411	Beginning Japanese I	4		X	X		X		X
JAPN	1412	Beginning Japanese II	4		X	X		X		X
JAPN	2311	Intermediate Japanese I	3		X	X		X		X
JAPN	2312	Intermediate Japanese II	3		X	X		X		X
KORE	1311	Beginning Korean I	3		X	X		X		X
KORE	1312	Beginning Korean II	3		X	X		X		X
KORE	1411	Beginning Korean I	4		X	X		X		X
KORE	1412	Beginning Korean II	4		X	X		X		X

KORE	2311	Intermediate Korean I	3		X	X		X		X
KORE	2312	Intermediate Korean II	3		X	X		X		X
MUSI	1116	Sight Singing and Ear Training I	1		X	X	X			
MUSI	1117	Sight Singing and Ear Training II	1		X	X				
MUSI	1181	Class Piano I	1		X		X			
MUSI	1183	Class Voice I	1		X					
MUSI	1188	Percussion Class I	1		X					
MUSI	1192	Class Guitar I	1		X		X			
MUSI	1301	Fundamentals of Music I	3		X	X	X			
MUSI	1304	Foundations of Music	3		X		X			
MUSI	1306	Music Appreciation	3		X					X
MUSI	1307	Music Literature	3		X					X
MUSI	1311	Music Theory I	3		X	X	X			
MUSI	1312	Music Theory II	3		X	X				
MUSI	1390	Electronic Music	3		X					
MUSI	2311	Music Theory III	3		X					
MUSI	2312	Music Theory IV	3		X					
PASH	1411	Beginning Pashtu I	4		X	X		X		X
PASH	1412	Beginning Pashtu II	4		X	X		X		X
PASH	2311	Intermediate Pashtu I	3		X	X		X		X
PASH	2312	Intermediate Pashtu II	3		X	X		X		X
PERS	1411	Beginning Persian-Iranian/Afghan I	4		X	X		X		X
PERS	1412	Beginning Persian-Iranian/Afghan II	4		X	X		X		X
PERS	2311	Intermediate Persian-Iranian/Afghan I	3		X	X		X		X
PERS	2312	Intermediate Persian-Iranian/Afghan II	3		X	X		X		X
PHIL	1301	Introduction to Philosophy	3	PL079A	X					X
PHIL	1304	Introduction to World Religions	3		X			X		X
PHIL	1316	History of Religions I	3		X					X
PHIL	1317	History of Religions II	3		X					X
PHIL	2303	Introduction to Logic	3		X					X
PHIL	2306	Introduction to Ethics	3	PL081A	X					X
PHIL	2307	Introduction to Social and Political Philosophy	3		X					X
PORT	1411	Beginning Portuguese I	4		X	X		X		X
PORT	1412	Beginning Portuguese II	4		X	X		X		X
PORT	2311	Intermediate Portuguese I	3		X	X		X		X
PORT	2312	Intermediate Portuguese II	3		X	X		X		X
PUNJ	1411	Beginning Punjabi I	4		X	X		X		X
PUNJ	1412	Beginning Punjabi II	4		X	X		X		X
PUNJ	2311	Intermediate Punjabi I	3		X	X		X		X
PUNJ	2312	Intermediate Punjabi II	3		X	X		X		X
RUSS	1411	Beginning Russian I	4		X	X		X		X
RUSS	1412	Beginning Russian II	4		X	X		X		X
RUSS	2311	Intermediate Russian I	3		X	X		X		X
RUSS	2312	Intermediate Russian II	3		X	X		X		X
SPAN	1411	Beginning Spanish I	4		X	X		X		X
SPAN	1412	Beginning Spanish II	4		X	X		X		X
SPAN	2311	Intermediate Spanish I	3		X	X		X		X
SPAN	2312	Intermediate Spanish II	3		X	X		X		X
SPCH	2341	Oral Interpretation	3		X					X
TURK	1411	Beginning Turkish I	4		X	X		X		X
TURK	1412	Beginning Turkish II	4		X	X		X		X
TURK	2311	Intermediate Turkish I	3		X	X		X		X
TURK	2312	Intermediate Turkish II	3		X	X		X		X
URDU	1411	Beginning Urdu I	4		X	X		X		X
URDU	1412	Beginning Urdu II	4		X	X		X		X
URDU	2311	Intermediate Urdu I	3		X	X		X		X

URDU	2312	Intermediate Urdu II	3		X	X		X		X
		Humanities/Fine Arts Elective				X		X		X
<b>Mathematics</b>			<b>3 SH</b>							
MATH	1332	Contemporary Mathematics I	3	MH051A	X			X		X
<b>Social/Behavioral Science</b>			<b>3 SH</b>							
GOVT	2301	American Government I	3		X			X		X
GOVT	2302	American Government II	3	PO078A	X			X		X
<b>Computer Skills/Technology</b>			<b>3-4 SH</b>							
AGRI	1309	Computers in Agriculture	3		X					X
BCIS	1405	Business Computer Applications	4		X					X
COSC	1301	Introduction to Computing	3		X	X	X	X	X	X
COSC	2425	Computer Organization and Machine Language	4	CS221A	X					X
CPMT	1403	Introduction to Computer Technology	4		X	X				X
GAME	1403	Introduction to Game Design and Development	4		X					X
IMED	1416	Web Design I	4	CS401A	X					X
IMED	2409	Internet Commerce	4	BU322A	X					X
ITNW	1408	Implementing and Supporting Client Operating	4		X				X	X
ITNW	1416	Network Administration	4		X				X	X
ITNW	1425	Fundamentals of Networking Technologies	4		X	X			X	X
ITNW	1437	Introduction to the Internet	4	CS106A	X					X
ITNW	1454	Implementing and Supporting Servers	4	CS524A	X				X	X
ITNW	1458	Network+	4	CS601A	X				X	X
ITNW	2405	Network Administration	4		X	X			X	X
ITNW	2435	Network Troubleshooting and Support	4		X	X				X
ITNW	2454	Internet/Intranet Server	4		X				X	X
ITNW	2456	Designing a Network Directory Infrastructure	4		X				X	X
ITSC	1301	Introduction to Computers	3		X	X	X	X	X	X
ITSC	1405	Introduction to PC Operating Systems	4	CS104A	X	X			X	X
ITSC	1409	Integrated Software Applications I	4	OF033A	X	X				X
ITSC	1415	Project Management Software	4		X					X
ITSC	2439	Personal Computer Help Desk Support	4		X					X
ITSC	2486	Internship-Computer and Information Sciences,	4	CS153A	X					
ITSE	1407	Introduction to C++ Programming	4	CS228A	X					
ITSE	1431	Introduction to Visual BASIC Programming	4	CS232A	X	X				X
ITSE	1450	System Analysis and Design	4	CS204A	X	X				X
ITSE	2413	Web Authoring	4	CS401A	X					X
ITSE	2417	JAVA Programming	4	CS230A	X					X
ITSE	2431	Advanced C++ Programming	4	CS229A	X					X
ITSE	2486	Internship-Computer Programming	4	CS153A	X					X
ITSW	1401	Introduction to Word Processing	4	OF006A	X	X	X			X
ITSW	1404	Introduction to Spreadsheets	4	OF034A	X	X				X
ITSW	1407	Introduction to Database	4	CS302A	X	X				X
ITSW	2486	Internship-Data Processing	4	CS153A	X					X
ITSY	1400	Fundamentals of Information Security	4		X					X
ITSY	1442	Information Technology Security	4		X					X
ITSY	2400	Operating System Security	4	CS511A	X					X
ITSY	2441	Security Management Practices	4		X					X
ITSY	2459	Security Assessment and Auditing	4		X					X
		Computer Skills Elective				X	X		X	X
<b>Physical Education</b>			<b>1 SH</b>							
		Kinesiology Elective			X	X	X	X	X	X
		Physical Education Elective			X	X	X	X	X	X
<b>Major Requirements</b>			<b>50 SH</b>							
WLDG	1313	Introduction to Blueprint Reading for Welders	3		X	X	X			
WLDG	1323	Welding Safety, Tools, and Equipment	3		X	X	X			
WLDG	1417	Introduction to Layout and Fabrication	4		X	X	X			
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4		X	X	X			

WLDG 1428	Introduction to Shielded Metal Arc Welding	4		X	X				
WLDG 1430	Introduction to Gas Metal Arc (GMAW) Welding	4		X	X	X			
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW)	4		X	X	X			
WLDG 1435	Introduction to Pipe Welding	4		X	X				
WLDG 1457	Intermediate Shielded Metal Arc Welding	4		X	X				
WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4		X					
WLDG 2447	Advanced Gas Metal Arc (GMAW) Welding	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>Free Electives*</b>			<b>1-4 SH</b>						
ENGL 2307	Creative Writing		3	X					X
WLDG 2406	Intermediate Pipe Welding		4	X					
WLDG 2413	Intermediate Welding Using Multiple Processes		4	X	X				
WLDG 2435	Advanced Layout and Fabrication		4	X					
WLDG 2451	Advanced Gas Tungsten (GTAW) Welding		4	X					
WLDG 2488	Internship-Welding Technology/Welder		4	X	X	X			
	Free Elective			X	X	X	X	X	X
<b>Total Credits</b>			<b>72 SH</b>						

- 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 unless a CTC equivalent course is listed in the appropriate SOC transfer guarantee.
  - 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 0120 Developmental Writing Lab, DSWR 0301 Developmental Writing I, DSWR 0302 Developmental Writing II, DSWR 0303 Fundamentals of Writing I, DSWR 0304 Fundamentals of Writing II, DSWR 0305 Developmental Studies Basic Grammar Review, 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 0316 Listening Comprehension I, DSLA 0317 Speaking I, DSLA 0322 Academic Listening and Speaking II, and/or 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-12
<b>Term effective:</b>	T450