

## Central Texas College District

### Associate of Applied Science - Heating/Air Conditioning & Refrigeration Mechanic & Repairer (AAS-HART5) (AAS-HART)

SOCAD-2 Network: None

Fort Hood, TX; Fort Leonard Wood, MO

<p><b>Degree Objective-</b> Prepares graduates for jobs as entry-level technicians in the air conditioning, heating, and refrigeration fields. Degree plan comprises 60 semester credit hours of which 45 are in refrigeration principles, residential air conditioning and troubleshooting, gas and electric heating, 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>                  Debbie Hansen, Director of Evaluations &amp; Graduation                  P.O. Box 1800, Killeen, TX 76540                  (254) 526-1394 or (800) 792-3348, ext. 1394                  (254) 526-1481 FAX                  ctc.socad@ctcd.edu                  www.ctcd.edu</p>
<p><b>Academic Residency-</b> 15 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>15-16 SH</b>							
<b>English</b>			<b>3 SH</b>							
ENGL	1301	Composition I	3	EN201A	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	2351	Cultural Anthropology	3	AN002A	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	2341	Art Metals I	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	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
DRAM	1310	Introduction to Theater	3		X					
DRAM	1330	Stagecraft I	3		X					
DRAM	1342	Introduction to Costume	3		X					
DRAM	1351	Acting I	3		X					
DRAM	1352	Acting II	3		X					
DRAM	2336	Voice for the 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	EN342A	X			X		X
ENGL	2323	British Literature II	3	EN343A	X			X		X

ENGL	2327	American Literature I	3	EN332A	X			X	X
ENGL	2328	American Literature II	3	EN333A	X			X	X
ENGL	2332	World Literature I	3	EN322A	X				X
ENGL	2333	World Literature II	3	EN323A	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
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	1411	Beginning Italian I	4		X	X		X	X
ITAL	1412	Beginning Italian II	4		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	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	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	X	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	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	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
PHIL	2321	Philosophy of Religion	3		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					
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
<b>Mathematics</b>			<b>3 SH</b>							
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3	MH051A	X			X		X
<b>Social/Behavioral Science</b>			<b>3 SH</b>							
GOVT	2305	Federal Government	3		X			X		X
<b>Major Requirements</b>			<b>45 SH</b>							
HART	1341	Residential Air Conditioning	3		X					
HART	1401	Basic Electricity for HVAC	4		X	X				
HART	1403	Air Conditioning Principles	4		X					
HART	1407	Refrigeration Principles	4		X					
HART	1445	Gas and Electric Heating	4		X					
HART	2341	Commercial Air Conditioning	3		X					
HART	2342	Commercial Refrigeration	3		X					
HART	2431	Advanced Electricity for HVAC	4		X					
HART	2436	Air Conditioning Troubleshooting	4		X					
HART	2438	Air Conditioning Installation and Startup	4		X					
HART	2445	Residential Air Conditioning System	4	OR	X					
HART	2488	Internship-Heating, A/C Ventilation and Refrigeration Maintenance Technology/Technician (HAC, HACR)	4		X					
HART	2449	Heat Pumps	4		X					
<b>Total Credits</b>			<b>60 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 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.
- 7) Soldiers electing to take the high end semester hour range of a degree requirement area will need to request an ESO override if the total degree credits exceed 68 SH.

<b>Date Effective:</b>	1-Jul-17
<b>Term Effective:</b>	T670