

**Central Texas College District**  
**Associate of Applied Science in Electronics Engineering Technology (AAS-ELC15) (AAS-ELCP)**

SOCAD-2 Network: Electronics Technology  
Fort Hood, TX; Fort Riley, KS.

**Degree Objective-** Prepares graduates for a wide range of employment opportunities in Electronics Engineering Technology. Degree plan comprises 60 semester credit hours, of which 45 are in solid state devices, DC and AC circuits, digital fundamentals and systems, computer and electronic troubleshooting, and related subjects. This degree may be appropriate for transfer into a bachelor-level degree program.

**POINT OF CONTACT**  
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**Academic Residency-** 15 semester hours

DEGREE REQUIREMENTS				SOC CAT.	HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT/LIC	DIST LRNG See Note 2
<b>General Education</b>				<b>16 SH</b>						
<b>English</b>				<b>3 SH</b>						
ENGL 1301	Composition I		3	EN201A	X			X		X
<b>Humanities/Fine Arts</b>				<b>3 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
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 Intrepretation	3		X	X		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
<b>Mathematics</b>		<b>3 SH</b>							
MATH 1314	College Algebra	3	MH048A	X			X		X
MATH 1316	Plane Trigonometry	3	MH049A	X			X		X
MATH 1324	Mathematics for Business and Social Sciences	3		X					X
MATH 1325	Calculus for Business and Social Sciences	3	MH072A	X					X
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	3	MH051A	X			X		X
MATH 1342	Elementary Statistical Methods	3	MH053A	X			X		X
MATH 1350	Mathematics for Teachers I (Fundamentals of Mathematics I)	3		X					
MATH 1351	Mathematics for Teachers II (Fundamentals of Mathematics II)	3		X					
MATH 1414	College Algebra	4		X					
MATH 2318	Linear Algebra	3		X					
MATH 2412	Precalculus Math	4		X					
MATH 2413	Calculus I	4		X					
MATH 2414	Calculus II	4		X					
MATH 2415	Calculus III	4		X					
<b>Social/Behavioral Science</b>		<b>3 SH</b>							
AGRI 2317	Introduction to Agriculture Economics	3		X					X
ANTH 2351	Cultural Anthropology	3	AN002A	X					
ECON 2301	Principles of Macroeconomics	3	EC201A	X			X		X
ECON 2302	Principles of Microeconomics	3	EC301A	X			X		X
GEOG 1300	Principles of Geography	3	GE001A	X					X
GEOG 1301	Physical Geography	3		X					X
GEOG 1302	Cultural Geography	3	GE021A	X			X		X
GEOG 1303	World Regional Geography	3	GE023A	X					X
GOVT 2305	Federal Government	3		X					
GOVT 2306	Texas Government	3		X					
GOVT 2304	Introduction to Political Science	3		X					
HIST 1301	United States History I	3	HI201A	X			X		X
HIST 1302	United States History II	3	HI202A	X			X		X
HIST 2301	Texas History	3		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
PSYC 1300	Learning Framework	3		X					
PSYC 2301	General Psychology	3	PS101A	X			X		X
PSYC 2308	Child Psychology	3		X			X		X
PSYC 2314	Life Span Growth and Development	3		X			X		X
PSYC 2315	Psychology of Adjustment	3		X					X
PSYC 2316	Psychology of Personality	3		X					X

SOCI	1301	Introduction to Sociology		3	SO001A	X			X		X
SOCI	1306	Social Problems		3	SO002A	X					X
SOCI	2301	Marriage and the Family		3		X					X
SOCI	2319	Minority Studies I		3		X					X
		Social/Behavioral Science Elective							X		X
<b>Component Area Option</b>				<b>4 SH</b>							
AGRI	1407	Agronomy		3							
AGRI	1415	Horticulture		4		X					
AGRI	1419	Introductory Animal Science (Animal Husbandry)		4		X					
AGRI	2317	Introduction to Agriculture Economics		3		X					
ANTH	2351	Cultural Anthropology		3		X					
ARTS	1303	Art History I		3		X					X
ARTS	1304	Art History II		3		X					X
ARTS	1311	Design I (2- dimensional)		3		X					
BCIS	1305	Business Computer Applications		3		X					X
BIOL	1406	Biology for Science Majors I	AND	4	BL003A	X			X		
BIOX	1406	Biology for Science Majors I Lab		0		X					
BIOL	1407	Biology for Science Majors II	AND	4	BL003A	X			X		
BIOX	1407	Biology for Science Majors II Lab		0		X					
BIOL	1408	Biology for Non-Science Majors I	AND	4		X					
BIOX	1408	Biology for Non-Science Majors I Lab		0		X					
BIOL	1409	Biology for Non-Science Majors II	AND	4		X					
BIOX	1409	Biology for Non-Science Majors II Lab		0		X					
BIOL	1411	General Botany	AND	4		X					
BIOX	1411	General Botany - Lab		0		X					
BIOL	1413	General Zoology	AND	4		X					
BIOX	1413	General Zoology - Lab		0		X					
BIOL	2401	Anatomy and Physiology I	AND	4		X					
BIOX	2401	Anatomy and Physiology I Lab		0		X					
BIOL	2402	Anatomy and Physiology II	AND	4		X					
BIOX	2402	Anatomy and Physiology II Lab		0		X					
BIOL	2420	Microbiology for Non-Science Majors	AND	4		X					
BIOX	2420	Microbiology for Non-Science Majors Lab		0		X					
BIOL	2421	Microbiology for Science Majors	AND	4		X					
BIOX	2421	Microbiology for Science Majors Lab		0		X					
CHEM	1406	Introductory Chemistry I	AND	4		X					
CHEX	1406	Introductory Chemistry I-Lab		0		X					
CHEM	1407	Introductory Chemistry II	AND	4		X					
CHEX	1407	Introductory Chemistry II-Lab		0		X					
CHEM	1411	General Chemistry I	AND	4	CH003A	X			X		
CHEX	1411	General Chemistry I-Lab		0		X					
CHEM	1412	General Chemistry II	AND	4	CH003A	X			X		
CHEX	1412	General Chemistry II-Lab		0		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					
ECON	2301	Principles of Macroeconomics		3		X					
ECON	2302	Principles of Microeconomics		3		X					
ENGL	1302	Composition II		3		X					
ENGL	2322	British Literature I		3		X					
ENGL	2323	British Literature II		3		X			X		X
ENGL	2327	American Literature I		3		X					
ENGL	2328	American Literature II		3		X					
ENGL	2332	World Literature I		3		X					
ENVR	1401	Environmental Science I	AND	4		X					
ENVX	1401	Environmental Science I-Lab		0		X				X	
FREN	1411	Beginning French I		4		X	X		X	X	X
FREN	1412	Beginning French II		4		X	X		X	X	X
GEOG	1301	Physical Geography		3		X					X
GEOG	1302	Cultural Geography		3	GE021A	X			X		X
GEOG	1303	World Regional Geography		3	GE023A	X					X
GEOL	1403	Physical Geology	AND	4	EA014A	X			X		
GEOX	1403	Physical Geology Lab		0		X					

GEOL 1404	Historical Geology	AND	4		X					
GEOX 1404	Historical Geology Lab		0		X					
GERM 1411	Beginning German I		4		X	X		X	X	X
GERM 1412	Beginning German II		4		X	X		X	X	X
GOVT 2304	Introduction to Political Science		3		X					
HIST 2301	Texas History		3		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
MATH 1314	College Algebra		3	MH048A	X			X		X
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)		3	MH051A	X			X		X
MATH 1342	Elementary Statistical Methods		3	MH053A	X			X		X
MATH 1414	College Algebra		4		X					
MATH 2412	Pre-Calculus Math		4		X					X
MATH 2413	Calculus I		4		X					
MUSI 1301	Fundamentals of Music I		3		X					
MUSI 1306	Music Appreciation		3		X					X
MUSI 1307	Music Literature		3		X					X
PHIL 1301	Introduction to Philosophy		3	PL079A	X					X
PHIL 1304	Introduction to World Religions		3		X			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					X
PHYS 1401	College Physics I	AND	4	PY003A	X					
PHYX 1401	College Physics I Lab		0		X					
PHYS 1402	College Physics II	AND	4	PY003A	X					
PHYX 1402	College Physics II Lab		0		X					
PHYS 1403	Stars and Galaxies	AND	4		X					X
PHYX 1403	Stars and Galaxies - Lab		0		X					X
PHYS 1404	Solar System	AND	4		X					X
PHYX 1404	Solar System - Lab		0		X					X
PHYS 1415	Physical Science I	AND	4		X			X		
PHYX 1415	Physical Science I Lab		0		X					
PSYC 2301	General Psychology		3	PS101A	X			X		X
PSYC 2308	Child Psychology		3		X			X		X
PSYC 2314	Life Span Growth and Development		3		X			X		X
PSYC 2315	Psychology of Adjustment		3		X					X
PSYC 2316	Psychology of Personality		3		X					X
RUSS 1411	Beginning Russian I		4		X	X		X		X
RUSS 1412	Beginning Russian II		4		X	X		X		X
SOCI 1301	Introduction to Sociology		3	SO001A	X			X		X
SOCI 1306	Social Problems		3	SO002A	X					X
SOCI 2301	Marriage and the Family		3		X					X
SOCI 2319	Minority Studies		3		X					X
SPAN 1411	Beginning Spanish I		4		X	X		X	X	X
SPAN 1412	Beginning Spanish II		4		X	X		X	X	X
SPCH 1315	Public Speaking		3	CM001A	X			X		X
SPCH 1318	Interpersonal Communication		3		X					
SPCH 1321	Business and Professional Communication		3		X					X
KINE ELEC	Physical Activity				X	X		X		
<b>Major Requirements</b>			<b>44 SH</b>							
CETT 1303	DC Circuits		3	ET123A	X	X		X		
CETT 1305	AC Circuits		3	ET124A	X	X		X		
CETT 1321	Electronics Fabrications		3		X					
CETT 1325	Digital Fundamentals		3	ET127A	X	X				
CETT 1331	Programming for Discrete Electronic Devices		3		X	X				
CETT 1429	Solid State Devices		4	ET125A	X	X		X		
CETT 1441	Solid State Circuits		4		X	X				
CETT 1449	Digital Systems		4	ET127A	X					
CETT 2335	Advanced Microprocessors		3		X	X				
CPMT 1345	Computer Systems Maintenance		3		X	X				
ELMT 2435	Certified Electronics Technician Training		4		X					
ITCC 1414	CCNA 1: Introduction to Networks		4		X					

ITSC 1301	Introduction to Computers	OR	3		X					
COSC 1301	Introduction to Computing		3		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
  - 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) A student opting to take the higher number of credits in a requirement area with a range of credits may request an override to exceed the maximum number of

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