

Central Texas College District
Associate of Applied Science in Business Programmer Analyst (AAS-CSBP)

SOCAD-2 Network: Computer Studies

Fort Hood, TX; Fort Polk, LA; Fort Wainwright, AK. Japan: Camp Zama; Yokota AB; Misawa AB. Korea: Camp Carroll; Camp Casey; Camp Colbern; Camp Henry; Camp Hovey; Camp Humphreys; Camp Long; Camp Red Cloud; Camp Stanley; K-16 Army Airfield; Kunsan AB; Osan AB; Yongsan AG. Okinawa: Kadena AB.

<p>Degree Objective- Prepares graduates for entry-level positions in large organizations such as the banking and insurance industry as programmers. The degree plan comprises 72 semester credit hours, of which 56 are in several different programming languages, and computer applications. This degree program may be appropriate for transfer into a bachelor-level degree program.</p> <p>Academic Residency- 18 semester hours</p>	<p>POINT OF CONTACT 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>
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DEGREE REQUIREMENTS				SOC CAT.	HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT/ LIC	DIST LRNG See Note 2
General Education				16-18 SH						
English				3 SH						
ENGL	1301	Composition I	3	EN024A	X			X		X
Speech				3 SH						
SPCH	1315	Public Speaking	3	CM001A	X			X		X
SPCH	1321	Business and Professional Communication	3		X					X
Humanities/Fine Arts				3-4 SH						
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					
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		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	1162	Vocal Diction I	1		X					
MUSI	1181	Piano Class I	1		X		X			
MUSI	1183	Voice Class I	1		X					
MUSI	1188	Percussion Class I	1		X					
MUSI	1192	Guitar Class I	1		X		X			
MUSI	1216	Ear Training and Sight Singing I	2		X	X	X			
MUSI	1217	Ear Training and Sight Singing II	2		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	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	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
Mathematics			3-4 SH							
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 I (Finite Mathematics)	3		X					X
MATH	1325	Mathematics for Business and Social Sciences II (Business Calculus)	3	MH072A	X					X
MATH	1332	Contemporary Mathematics I	3	MH051A	X			X		X
MATH	1342	Elementary Statistical Methods	3	MH053A	X			X		X
MATH	1350	Fundamentals of Mathematics I	3		X					X
MATH	1351	Fundamentals of Mathematics II	3		X					X
MATH	1414	College Algebra	4	MH048A	X			X		X
MATH	2318	Linear Algebra	3		X					X
MATH	2320	Differential Equations	3		X					X
MATH	2412	Precalculus Math	4		X					X
MATH	2413	Calculus I	4	MH055A	X			X		X
MATH	2414	Calculus II	4	MH056A	X			X		X
MATH	2415	Calculus III	4		X					X
Social/Behavioral Science			3 SH							
AGRI	2317	Introduction to Agriculture Economics	3		X					X
ECON	2301	Principles of Macroeconomics	3	EC008A	X			X		X
ECON	2302	Principles of Microeconomics	3	EC009A	X			X		X
GEOG	1300	Principles of Geography	3	GE001A	X					X
GEOG	1301	Physical Geography	3		X					X
GEOG	1302	Cultural Geography	3		X			X		X

GEOG 1303	World Regional Geography	3	GE023A	X					X
GOVT 2301	American Government I	3		X			X		X
GOVT 2302	American Government II	3	PO078A	X			X		X
GOVT 2304	Introduction to Political Science	3		X					X
HIST 1301	United States History I	3		X			X		X
HIST 1302	United States History II	3		X			X		X
HIST 2301	Texas History	3		X					X
HIST 2311	Western Civilization I	3		X			X		X
HIST 2312	Western Civilization II	3		X			X		X
HIST 2381	African-American History	3		X					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
Physical Education		1 SH							
	Physical Education Elective			X	X	X		X	
Major Requirements		56 SH							
COSC 2425	Computer Organization and Machine Language	4	CS004A	X					
GAME 1403	Introduction to Game Design and Development	4		X					X
IMED 2409	Internet Commerce	4	BU042A	X					X
ITNW 1437	Introduction to the Internet	4	CS055A	X					X
ITSC 1405	Introduction to PC Operating Systems	4	CS064A	X	X			X	X
ITSC 1409	Integrated Software Applications I	4	OF033A	X	X				X
ITSC 1415	Project Management Software	4		X					X
ITSE 1407	Introduction to C++ Programming	4	CS040A	X					
ITSE 1431	Introduction to Visual BASIC	4	CS044A	X	X				X
ITSE 1450	System Analysis and Design	4	CS005A	X	X				X
ITSE 2413	Web Authoring	4	CS050A	X	X				X
ITSE 2417	JAVA Programming	4	CS042A	X	X				X
ITSE 2431	Advanced C++ Programming	4	CS041A	X	X				X
ITSY 2400	Operating System Security	4	CS076A	X					X
Total Credits		72 SH							

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.
- 6) 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 credits required for degree.
 - 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.

Date effective: 1-Jul-09