

**Central Texas College District**  
**Associate of Science in Biology - Human Biology (AS-BIOL4) (AS-BIOL)**

Degree Map  
Fort Hood, TX

<p><b>Degree Objective-</b> Prepares graduates for transfer to university programs of study by introducing a broad base of concepts in the humanities, social/behavioral sciences, mathematics, and natural and physical sciences. Graduates receiving the associate of science degree will be prepared for further study at the university level in the sciences, engineering, and other professional and related fields. The degree plan comprises 60 semester credit hours of which 48 are in general education courses and 12 are in biology. This degree is appropriate for transfer into a 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  Fax (254) 526-1481  debbie.hansen@ctcd.edu  www.ctcd.edu</p>
<p><b>Academic Residency-</b> 15 semester hours</p>	

DEGREE REQUIREMENTS	48 SH	HOME COLLEGE	ARMY SCHOOL	ARMY MOS	TESTS	CERT / LIC	DIST LRNG See Note 2
<b>General Education</b>	<b>48 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 Communication	3	X					X
<b>Mathematics</b>	<b>4 SH</b>						
MATH 1414 College Algebra	4	X					
<b>Life and Physical Science</b>	<b>16 SH</b>						
CHEM 1411 General Chemistry I AND	4	X			X		
CHEX 1411 General Chemistry I-Lab	0	X					
CHEM 1412 General Chemistry II AND	4	X					
CHEX 1412 General Chemistry II - Lab	0	X					
CHEM 2423 Organic Chemistry AND	4	X					
CHEX 2423 Organic Chemistry Lab	0	X					
CHEM 2425 Organic Chemistry II AND	4	X					
CHEX 2425 Organic Chemistry II Lab	0	X					
<b>Creative Arts</b>	<b>3 SH</b>						
ARTS 1303 Art History I	3	X					X
ARTS 1304 Art History II	3	X					X
DRAM 1310 Introduction to Theater	3	X					
DRAM 2366 Introduction to Cinema	3	X					
HUMA 1315 Fine Arts Appreciation	3	X					
<b>Language, Philosophy, and Culture</b>	<b>3 SH</b>						
ANTH 2351 Cultural Anthropology	3	X					X
DRAM 2361 History of Theatre I	3	X					
DRAM 2362 History of Theatre 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
FREN 1411 Beginning French I	4	X	X		X	X	X
FREN 1412 Beginning French II	4	X	X		X	X	X
GERM 1411 Beginning German I	4	X	X		X	X	X
GERM 1412 Beginning German II	4	X	X		X	X	X
MUSI 1306 Music Appreciation	3	X					
MUSI 1307 Music Literature	3	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					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	X
SPAN 1412 Beginning Spanish II	4	X	X		X	X	X
<b>Social/Behavioral Science</b>	<b>15 SH</b>						
GOVT 2305 Federal Government	3	X			X		X
GOVT 2306 Texas Government	3	X			X		X
HIST 1301 United States History I	3	X			X		X
HIST 1302 United States History II	3	X			X		X
<b>And one course from the following:</b>							
AGRI 2317 Introduction to Agriculture Economics	3	X					X
ECON 2301 Principles of Macroeconomics	3	X			X		X
ECON 2302 Principles of Microeconomics	3	X			X		X

GEOG 1301	Physical Geography		3	X					X
GEOG 1302	Cultural Geography		3	X			X		X
GEOG 1303	World Regional Geography		3	X					X
GOVT 2304	Introduction to Political Science		3	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	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	X			X		X
SOCI 1306	Social Problems		3	X					X
SOCI 2301	Marriage and the Family		3	X					X
SOCI 2319	Minority Studies		3	X					X
<b>Physical Education</b>			<b>1 SH</b>						
KINE ELEC	Physical Activity			X	X	X			
PHED ELEC	Physical Activity			X	X	X			
<b>Major Requirements</b>			<b>12 SH</b>						
BIOL 1406	Biology for Science Majors I	AND	4	X			X		
BIOX 1406	Biology for Science Majors I-Lab		0	X					
BIOL 1407	Biology for Science Majors II	AND	4	X			X		
BIOX 1407	Biology for Science Majors II Lab		0	X					
BIOL 2421	Microbiology for Science Majors	AND	4	X					
BIOX 2421	Microbiology for Science Majors Lab		0	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.
  - 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 earned exceed total semester hours required.

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