

## AS-T Biology to B.S. Biology: Ecology, Evolution, and Organisms Concentration 2024-2025

This pathway is for students who have completed an AS-T in Biology with IGETC for STEM, and have sent official degree verification to CSUMB. The CSUMB pathway includes 6 units of lower-division GE (based on IGETC for STEM), the CSU American Institutions requirement, and 9 units of upper-division GE.

Transfer students who did not complete an Associate for Transfer in Biology should meet with the Biology academic advisor to update their individualized pathway in the "My Learning Plan" degree planner in Oasis.

Fall Junior Courses (16 units)	Course or GE Title	Units	GE/Major
<b>BIO 340</b>	Ecology	4	UDB, conc
<b>STAT 250</b>	Applied Stats for Science & Tech	4	Major
<b>CHEM 211 &amp; CHEM 211L</b>	Organic Chemistry I & Lab	3+2	Major
<b>Lower-division GE area C and World Culture and Language requirement</b>	Language other than English and C2 for completion of IGETC	3	C2, WCL
Spring Junior Courses (16 units)	Course or GE Title	Units	GE/Major
<b>BIO 330 or BIO 332 or BIO 370 or MSCI 331</b>	Physiology or Development course	3	Concentration
<b>BIO 320, 322, 344L, 380, CHEM 350, ENVS 350 or MSCI 350</b>	Research Methods Course	4	Rsch Methods
<b>BIO 301</b>	Research & Technical Writing in Biology	3	GWAR, Core
<b>American Institutions (CSU US2,3 requirement) if needed, or free elective</b>	CSU American Institutions (US2 and US3) if not completed previously	3	US2,3 or Free elective
<b>Upper-Division Arts or Humanities GE</b>	Any UDC	3	UDC, WCL
Fall Senior Courses (14 units)	Course or GE Title	Units	GE/Major
<b>BIO 341</b>	Evolutionary Biol & Population Genetics	3	Concentration
<b>BIO 379S or ENVS 382S or MSCI 359S</b>	Health Sci Svc Lrn or Biology Svc Lrn	3	UDSL, Major
<b>BIO311</b>	Genetics	4	UDB, Major
Major Concentration Elective	Major Concentration Elective	4	Concentration
Spring Senior Courses (15 units)	Course or GE Title	Units	GE/Major
Major Concentration Elective	Major Concentration Elective	4	Concentration
<b>Integrative Learning Course(s): BIO 492 + one of (BIO 420 or 421 or 444 or AGPS 470) or ENVS 410 + (BIO 448 or ENVS 446 or ENVS 475 or ENVS 464) Or MSCI 410 + MSCI/BIO 430 Or BIO 491 + 2 units of (BIO 397 or 494 or 497 or RSCH 394)</b>	Integrative Learning/Capstone seminar and project course	1+4	Concentration
<b>HCOM 353 or SBS 350</b>	UD Social Science with US1 (US History) and CSUMB's ethnic studies requirement	3	UDD, US1, ES*
<b>Free elective</b>	Elective if needed to reach 120 units	3	Free Elective
<b>Total BIO EEO Transfer pathway:</b>		<b>61</b>	

\*Note: Transfer students with catalog rights to a GE catalog prior to fall 2021 must complete CSUMB's Ethnic Studies (ES) requirement.