

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
BIO 340	Ecology	4	UDB, conc
STAT 250	Applied Stats for Science & Tech	4	Major
CHEM 211 & CHEM 211L	Organic Chemistry I & Lab	3+2	Major
Lower-division GE area C and World Culture and Language requirement	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
BIO 330 or BIO 332 or BIO 370 or MSCI 331	Physiology or Development course	3	Concentration
BIO 320, 322, 344L, 380, CHEM 350, ENVS 350 or MSCI 350	Research Methods Course	4	Rsch Methods
BIO 301	Research & Technical Writing in Biology	3	GWAR, Core
American Institutions (CSU US2,3 requirement) if needed, or free elective	CSU American Institutions (US2 and US3) if not completed previously	3	US2,3 or Free elective
Upper-Division Arts or Humanities GE	Any UDC	3	UDC, WCL
Fall Senior Courses (14 units)	Course or GE Title	Units	GE/Major
BIO 341	Evolutionary Biol & Population Genetics	3	Concentration
BIO 379S or ENVS 382S or MSCI 359S	Health Sci Svc Lrn or Biology Svc Lrn	3	UDSL, Major
BIO311	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
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)	Integrative Learning/Capstone seminar and project course	1+4	Concentration
HCOM 353 or SBS 350	UD Social Science with US1 (US History) and CSUMB's ethnic studies requirement	3	UDD, US1, ES*
Free elective	Elective if needed to reach 120 units	3	Free Elective
Total BIO EEO Transfer pathway:		61	

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