

## AS-T Biology to B.S. Biology: Ecology, Evolution, and Organisms Concentration 2022-2023

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 (15 units)		Course or GE Title	Units	GE/Major
BIO 330 or BIO 332 or BIO 370 or MSCI 331		Physiology or Development course	3	Conc
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	2	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	Conc
BIO 378S or BIO 379S or MSCI 359S		Health Sci Svc Lrn or Biology Svc Lrn	3	UDSL, Major
BIO311		Genetics	4	UDB, Major
Group A Elective		Major elective from Group A	4	Conc
Spring Senior Courses (15 units)		Course or GE Title	Units	GE/Major
Group A Elective		Major elective from Group A	4	Conc
Integrative Learning Course(s): BIO 492 + one of (BIO 420 or 421 or 425 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 + 3 units of (BIO 397 or 494 or 497 or RSCH 394)		Integrative Learning/Capstone seminar and project course	1+4	Conc
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
<b>Total BIO EEO Transfer pathway:</b>			<b>60</b>	

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