

## Biological Science AS-T Degree Checklist for 2017-2018

This worksheet is a guideline for this major. Please meet with a counselor to review your educational plan, transfer goals, and graduation requirements.

### Major Requirements

Need	In Progress	Complete	UNITS	COURSE #	COURSE NAME	EQUIVALENT
			5	BIOSC 020	Principles of Biology: Cellular Processes	
			5	BIOSC 021	Principles of Biology: Organismic	

#### List A:

			5	CHEM 025	General College Chemistry	
			5	CHEM 026	General College Chemistry	
			4	MATH 050 or MATH 037	Calculus and Analytic Geometry I or Applied Calculus	
					<b>One of the pairs below</b>	
			8	PHYS 035 & PHYS 036	College Physics I & College Physics II	
			8	PHYS 040 & PHYS 041	Physics for Scientists & Engineers I & Physics for Scientists & Engineers II	

#### List B-Select Two Courses (6 Units):

**32 Units in the Major**

### IGETC Intersegmental General Education Transfer Curriculum Course Recommendations

Need	In Progress	Complete	UNITS	AREA	REQUIRED	RECOMMENDED COURSE	EQUIVALENT/ALTERNATE
			3	1-A	1	ENGL 100	
			3	1-B	1	ENGL 221, 230, PHIL 110	
			3	1-C	1	SPCH 110, 120 (CSU only)	
					1	MATH 037*, 050*	Satisfied by major requirement
			3	3A	1	ART 005, 006, 007, 008, 009, 016, DRAMA 015, 016, 070, HUMAN 035, MUSIC 010, 015, 017	
			3 - 5	3B	1	ART 017, 018, 035, CHIN 040, DRAMA 030, ENGL 124, 127, 128, 129, 132, 133, 140, 145, 150, 205, 231, FILIP 061, FRNCH 061, 062, HIST 055, 061, HUMAN 019, 020, 021, 022, 024, 030, 035, ITAL 061, MUSIC 012, PHIL 100, 122, 133, 142, POLSC 133, 040, 050, SIGN 051, 067, 068, SPAN 051, 052, 053	
			3 - 5	3A or 3B	1	See 3-A and 3-B above	
			3	4	1	ANTHR 004, 005, 006, 007, 008, ECON 010, 011, HIST 046, SOCSOC 045, SPCH 150, ENGL 135, PSYCH 014, SPCH 180, CHDEV 010, HIST 047, 052, JOURN 100, POLSC 043, SPCH 130, 180, ADJUS 110, PHIL 133, POLSC 033, PSYCH 010, 011, 014, 017, SOCIO 017, ADJUS 110, SOCIO 015, 016	
			3	4-F	1	ECON 005*, HIST 029*, 030*	
			3	4-H	1	POLSC 010*, 020*	
				5-A	1	CHEM 025*, 026*, PHYS 035*, 036*, 040*, 041*	Satisfied by major requirement
				5-B	1	BIOSC 020*, 021*	Satisfied by major requirement
			3 - 5	6	1	CHIN 030, 040, FILIP 060, 061, FRNCH 060, 061, 062, ITAL 060, 061, SIGN 050, 051, 067, 068, SPAN 050, 051, 052, 053 (UC only)	
				Group A	1	POLSC 10 or 20 (CSU only)	
				Group B	1	ECON 5, HIST 29 or 30 (CSU only)	

**37 - 42 Units of General Education**

#### Recommended Electives

Need	In Progress	Complete	UNITS	COURSE #	COURSE NAME	EQUIVALENT/SUBSTITUTE
Select a minimum of 0 - 1 Units:						

0 - 1 units of elective courses needed to meet the 60 transferrable unit requirement

\*These courses are recommended for Biological Science majors.

Group A & B courses satisfy 2 of the area D requirements, but the units do not double count

CSU Degree Pathways for Biology for Transfer – AST

CSU Campus	CSU Major	CSU Major Emphasis or Concentration
<b>Bakersfield</b>	Biochemistry	Biochemistry – General, Food Science
<b>Bakersfield</b>	Biology	Biotechnology, General
<b>Channel Islands</b>	Biology	General Biology
<b>Chico</b>	Biological Sciences	Cellular & Molecular Biology, Plant Biology, Ecological, Evolutionary & Organismal Biology,
<b>Dominguez Hills</b>	Biology	Biology – General
<b>East Bay</b>	Biological Science	Cell & Molecular Biology, Ecology & Conservation Biology, General Biology (BA & BS), Microbiology/Biomedical Laboratory Sciences, Physiology
<b>Humboldt</b>	Biology	Cellular/Molecular Biology, General Biology, Science Education
<b>Long Beach</b>	Biology	Organismal Biology
<b>Los Angeles</b>	Biology	General
<b>Monterey Bay</b>	Biology	Ecology, Evolution, & Organismal Biology, Molecular Biology, Teacher Preparation
<b>Northridge</b>	Biology	Biotechnology/Medical Technology, General
<b>Pomona</b>	Biology	Microbiology, Zoology
<b>Sacramento</b>	Biological Sciences	Ecology, Evolution, & Conservation, Biological Sciences – General
<b>San Diego</b>	Biology	General, Cellular & Molecular Biology, Ecology, Evolution & Systematics, Marine Biology, Zoology
<b>San Francisco</b>	Biology	General, Botany, Cell & Molecular Biology, Ecology, Marine Biology & Limnology, Microbiology, Physiology, Zoology
<b>San Jose</b>	Biological Science	Biological Science, Ecology & Evolution, Microbiology, Molecular Biology, Systems Physiology
<b>San Jose</b>	Humanities	Liberal Arts
<b>San Marcos</b>	Biological Sciences	General
<b>Stanislaus</b>	Biological Sciences	Biology Education, Ecology, General (BA & BS), Molecular & Microbial Biology, Organismal Biology

<http://www.adegreewithaguarantee.com/AboutTheProgram/FindYourPath.aspx?major=2014>