

BAKER UNIVERSITY MAJOR CHECKLIST

BIOLOGY
B.A. or B.S

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

NOTE: A grade of “C” or better is required in ALL biology courses counted toward the major

BIOLOGY CORE REQUIREMENTS: (21 HRS)

BI151 Introduction to Molecular and Cellular Biology (4 hrs)	_____
BI152 Introduction to Genetics (4 hrs)	_____
BI251 Introduction to Ecological and Organismal Biology (4 hrs)	_____
BI252 General Zoology (4 hrs)	_____
BI298 Introduction to Research in Biology (1 hr)	_____
BI410 Senior Seminar in Biology (2 hrs)	UC _____
BI498 Research in Biology (2 hrs)	UC _____

MUST COMPLETE ONE OF THE FOLLOWING FOUR TRACKS (30 – 41 additional hrs, depending on Track)

TRACK 1: MOLECULAR BIOSCIENCE

BI383 Adv Cell Biology (3 hrs)	UC _____
BI385 Adv Molecular Biology (3 hrs)	UC _____
BI386 Mth Biochemistry/Molec Bio (3 hrs)	UC _____
2 additional UC Bio crs, 1 must be a lab crs	UC _____
	UC _____

Supporting Coursework

CH137 General Chemistry I (4 hrs)	_____
CH138 General Chemistry II (3 hrs)	_____
CH140 Quantitative Analy Chem (2 hrs)	_____
CH251 Organic Chemistry I (4 hrs)	_____
CH252 Organic Chemistry II (4 hrs)	_____
CH370 Biochemistry (3 hrs)	UC _____
MA171 Cal I OR MA321 Statistics II (for the B.S. degree)	_____

Note: Results in a minor in Chemistry

TRACK 3: ECOLOGY AND EVOLUTION

BI342 Plant Biology (4 hrs)	UC _____
BI375 Evolution (3 hrs)	UC _____
BI377 General Ecology (4 hrs)	UC _____
2 additional UC Bio crs, 1 must be a lab crs	UC _____
	UC _____

Supporting Coursework

CH137 General Chemistry I (4 hrs)	_____
GE210 General Geology (3 hrs)	_____
MA321 Statistics II (for the B.S. degree)	UC _____

Note: A minor in the student’s area of interest is required

TRACK 2: VERTEBRATE STRUCTURE AND FUNCTION

BI360 Comp Vertebrate Anatomy (4 hrs)	UC _____
BI361 Developmental Biology (4 hrs)	UC _____
BI382 Comparative Physiology (4 hrs)	UC _____
2 additional UC biology courses (6-8 hrs)	UC _____
	UC _____

Supporting Coursework

CH137 General Chemistry I (4 hrs)	_____
CH138 General Chemistry II (3 hrs)	_____
MA171 Cal I OR MA321 Statistics II (for the B.S. degree)	_____

Note: A minor in the student’s area of interest is required

TRACK 4: TEACHING BIOLOGY SECONDARY LEVEL

BI342 Plant Biology (4 hrs)	UC _____
BI360 Comp Vertebrate Anatomy (4 hrs)	UC _____
BI377 General Ecology (4 hrs)	UC _____
BI382 Comparative Physiology (4 hrs)	UC _____
1 additional UC Bio course (3-4 hrs)	UC _____

Supporting Coursework

CH137 General Chemistry I (4 hrs)	_____
GE210 General Geology (3 hrs)	_____
PC125 Introductory Physics I (4 hrs)	_____
MA171 Cal I OR MA321 Statistics II (for the B.S. degree)	_____

Note: A major in Secondary Education is also required

SPECIAL NOTE: Students majoring in a discipline that requires fewer than 12 hours of supporting coursework must complete a minor area of concentration. Therefore, a minor is required for the Biology major track 2 and track 3. For specific minor requirements, refer to the departmental section of the 2014-2015 Catalog.

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____