

BAKER UNIVERSITY MAJOR CHECKLIST

BIOLOGY
B.A. or B.S

MAJOR REQUIREMENTS

(a minimum of 37 hours of Biology; 18 must be upper-college hours)

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)

BI132 Introduction to Molecular and Cellular Biology (4 hrs)

BI133 Introduction to Ecological and Organismal Biology (4 hrs)

BI 252 General Zoology (4 hrs)

BI278 Introduction to Genetics (4 hrs)

BI298 Introduction to Research in Biology (total of 3 hrs)

BI 410 Senior Seminar in Biology (2 hrs)

UC _____

MUST COMPLETE ONE OF THE FOLLOWING FOUR TRACKS

TRACK 1: MOLECULAR BIOSCIENCE

BI383 Adv Cell Biology (3 hrs)

UC _____

BI385 Adv Molecular Biology (3 hrs)

UC _____

BI386 Mthds Molecular Bioscience (3 hrs)

UC _____

2 additional UC Bio crs, 1 must be a lab crs

UC _____

UC _____

Supporting Coursework

CH137 General Chemistry I

CH138 General Chemistry II

CH140 Quantitative Analytical Chem

CH251 Organic Chemistry I

CH252 Organic Chemistry II

CH 370 Biochemistry

UC _____

MA171 Cal I OR MA321 Statistics II

(for the B.S. degree)

Note: Results in a minor in Chemistry

TRACK 2: VERTEBRATE STRUCTURE AND FUNCTION

BI 360 CompVertebrate 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

CH138 General Chemistry II

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 3: ECOLOGY AND EVOLUTION

BI242 Botany (4 hrs)

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

GE210 General Geology

MA321 Statistics II (for the B.S. degree)

UC _____

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

TRACK 4: TEACHING BIOLOGY SECONDARY LEVEL

BI242 Botany (4 hrs)

BI 360 CompVertebrate 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

GE210 General Geology

PC125 Introductory Physics I

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 or track 3. For specific minor requirements, refer to the departmental section of the 2010-2011 Catalog.

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____

Catalog year: 2010