

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: (24 HRS)

- BI151 Molecular and Cellular Biology (3 hrs)
- BI151L Molecular and Cellular Biology Laboratory (1 hr)
- BI152 Genetics (4 hrs)
- BI251 Ecology and Evolution (4 hrs)
- BI254 Organismal Diversity (4 hrs)
- BI298 Experimental Design Workshop (2 hr)
- BI397 Biology Professional Development Workshop (1 hr)
- BI398 Current Topics in Biology Seminar (1 hr)
- BI410 Senior Seminar in Biology (2 hrs)
- BI498 Research in Biology (2 hrs)

UC _____

UC _____

UC _____

UC _____

MUST COMPLETE ONE OF THE FOLLOWING FOUR TRACKS (31 – 48 additional hrs, depending on Track)

TRACK 1: GENERAL BIOLOGY

Five upper-level biology courses, four of which must have a lab

UC _____ UC _____

UC _____ UC _____

UC _____

Supporting Coursework

MA171 Calc I OR MA321 Statistics II _____
(Required for B.S. degree)

A minor in the student's area of choosing _____

TRACK 2: MOLECULAR BIOLOGY

BI383 Adv Cell Biology (3 hrs) UC _____

BI385 Adv Molecular Biology (3 hrs) UC _____

BI386 Mth Biochemistry/Molec Bio (3 hrs) UC _____

2 more UC bio. crs, 1 must be a lab crs (7-8 hr) UC _____

UC _____

Supporting Coursework

CH137 & CH137L Gen Chem I & Lab (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 Calculus I OR MA321 Statistics II _____
(Required for B.S. degree)

Note: Results in a minor in Chemistry

TRACK 3: ECOLOGY

Five of the following courses, four of which must have a lab

BI340, BI344, BI350, BI356, BI360, BI361, BI370, BI375,
BI377, BI380, BI382, BI392

UC _____ UC _____

UC _____ UC _____

UC _____

Supporting Coursework

CH137 & CH137L Gen Chem I & Lab (4 hrs) _____

EC151 Game Theory (3 hrs) _____

PH211 Logic and Critical Thinking (3 hrs) _____

PH320 Hist of Philosophy of Sci (3 hrs) _____

MA321 Statistics II (Required for B.S. degree) UC _____

TRACK 4: TEACHING BIOLOGY SECONDARY LEVEL

BI340 Plant Form and Function (4 hrs) UC _____

BI360 Comp Vertebrate Anatomy (4 hrs) UC _____

BI375 Evolution (3 hrs) UC _____

BI377 Pop. and Comm. Ecology (4 hrs) UC _____

BI380 Behavioral Ecology (4 hrs) UC _____

BI382 Animal Physiology (4 hrs) UC _____

Supporting Coursework

CH137 & CH137L Gen Chem I & Lab (4 hrs) _____

PC125 Introductory Physics I (4 hrs) _____

MA171 Calculus I OR MA321 Statistics II _____
(Required for B.S. degree)

Note: A major in Secondary Education is also required

STUDENT NAME: _____

STUDENT ID: _____

DATE: _____