



BAKER UNIVERSITY MAJOR CHECKLIST

BIOLOGY B.A. or B.S

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

BIOLOGY CORE REQUIREMENTS:

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

BI151 Molecular and Cellular Biology
BI151L Molecular and Cellular Biology Laboratory
BI152 Genetics
BI251 Ecology and Evolution
BI254 Organismal Diversity
BI298 Experimental Design Workshop
BI397 Biology Professional Development Workshop
BI410 Senior Seminar in Biology
BI498 Research in Biology **OR**
BI 498 Research in Biology and BI 490 Biology Internship

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MUST COMPLETE ONE OF THE FOLLOWING FOUR TRACKS

TRACK 1: GENERAL BIOLOGY

Five upper-level biology courses, four of which must have
a laboratory component.

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Supporting Coursework:

MA321 Statistics II **OR** MA171 Calculus I (for the B.S. degree)

A minor in the student’s area of choosing: _____

TRACK 2: MOLECULAR BIOLOGY

BI383 Advanced Cell Biology
BI385 Advanced Molecular Biology
BI386 Advanced Methods in Biochemistry and Molecular Biology
Two upper-level biology courses, one of which must have
a laboratory component

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Supporting Coursework

CH137 & CH137 L General Chemistry I and Lab
CH138 & CH138 L General Chemistry II and Lab
CH251 and CH251L Organic Chemistry I and Lab
CH252 and CH252L Organic Chemistry II and Lab
CH370 Biochemistry
MA171 Calculus **OR** MA321 Statistics II (for the B.S. degree)

UC _____



TRACK 3: ECOLOGY

Five of the following upper-level biology courses, four of which must have a laboratory component. (BI335, BI344, BI350, BI356, BI370, BI375, BI377, BI380, BI392)

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Supporting Coursework:

CH137 & CH137 L General Chemistry I and Lab

EC151 Game Theory

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

PH211 Logic and Critical Thinking

PH320 History and Philosophy of Science

UC _____
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UC _____

TRACK 4: TEACHING BIOLOGY AT THE SECONDARY LEVEL

BI340 Plant Form and Function

BI360 Comparative Vertebrate Anatomy

BI375 Evolution

BI377 Population and Community Ecology

BI380 Behavioral Ecology

BI382 Animal Physiology

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Supporting Coursework:

CH137 & CH137 L General Chemistry I and Lab

MA171 Calculus **OR** MA321 Statistics II (for the B.S. degree)

PC125 Introductory Physics I

Note: A major in Secondary Education is also required

STUDENT NAME: _____

STUDENT ID: _____

DATE: _____

Catalog year: 2024