

BAKER UNIVERSITY MAJOR CHECKLIST

BIOLOGY
B.A. or B.S

MAJOR REQUIREMENTS

- 56-72 credit hours of Biology, Chemistry, and Mathematics required (Variation in credit hours is tied to student’s major track selection and course selection)
- Minimum of 15 credit hours of Biology must be upper-college

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& BI151L Molecular and Cellular Biology & Lab (4 hrs)
- BI152 Genetics (4 hrs)
- BI251 Ecology and Evolution (4 hrs)
- BI254 Organismal Diversity (4 hrs)
- BI298 Experimental Design Workshop (1 hr)
- BI410 Senior Seminar in Biology (2 hrs)
- BI498 Research in Biology (2 hrs)

UC _____

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 (7-8 hrs) UC _____
- UC _____

TRACK 2: VERTEBRATE BIOLOGY

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

Supporting Coursework

- CH137 & CH137L General Chemistry 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 (for the B.S. degree) _____

Supporting Coursework

- CH137 & CH137L General Chemistry I & Lab (4 hrs) _____
- CH138 General Chemistry II (3 hrs) _____
- MA171 Calculus I OR MA321 Statistics II (for the B.S. degree) _____

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

Note: Results in a minor in Chemistry

TRACK 3: ECOLOGY AND EVOLUTION

- BI340 Plant Form and Function (4 hrs) UC _____
- BI375 Evolution (3 hrs) UC _____
- BI377 Population and Community Ecology (4 hrs) UC _____
- 2 additional UC bio. crs, 1 must be a lab crs (7-8 hrs) UC _____
- 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 General Chemistry I & Lab (4 hrs) _____
- PC125 Introductory Physics I (4 hrs) _____
- MA171 Calculus I OR MA321 Statistics II (for the B.S. degree) _____

Note: A major in Secondary Education is also required

Supporting Coursework

- CH137 & CH137L General Chemistry I & Lab (4 hrs) _____
- MA321 Statistics II (for the B.S. degree) (3 hrs) UC _____

Note: A minor in the student’s area of interest is 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 2016-2017Catalog.

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____