

**(Biology)**  
**(Biology B.S.)**  
**Checklist 2014-2015**

Student \_\_\_\_\_

Advisor \_\_\_\_\_

Date Major Declared \_\_\_\_\_

Double Major? Yes (Dept. \_\_\_\_\_) No

Course	Term Taken	Hours	Grade
BIOL 117, offered each sem.			
BIOL 201 (pre-req C or better in BIOL 117); offered each semester			
BIOL 207 (pre-req BIOL 117) offered once each year (semester varies)			
BIOL 300 <b>ER, QL</b> (pre-req: C or better in BIOL 117 and sophomore status; pre or co-req: BIOL 201) offered every spring			
BIOL 420 (pre-req C or better in BIOL 300); offered every spring			
BIOL 450 <b>OC</b> ; offered every spring, taken in the student's final year			
<b>BIOL electives, must take one course from each category (see below)</b>			
Cell/ Biochemistry			
Organismal			
Structure / Function			
Population/ Ecosystems			
<b>Other BIOL electives</b>			
BIOL 285-288 (pre-req BIOL 117 and consent of faculty project director)			
BIOL 460 (pre-req B average in Biology and overall and consent of department in preceding semester)			
BIOL 470 and 471 (pre-req 2.0 GPA overall and in dept. and dept. approval)			
<b>MATH requirement</b>			
MATH 151 (pre-req C or better in MATH 123)			
<b>STATS requirement</b>			
Either STAT 161, 162 or 163			
<b>Required contextual &amp; Support options (choose 1 option)</b>			
CHEM 111 (pre-req: must exceed the math placement score required to take any 100-level math course, or earn a C- or			

better in Math 099). Every fall			
CHEM 112 CT (pre-req CHEM 111) every spring			
CHEM 211 (pre-req CHEM 111, 112), offered every fall			
CHEM 212(pre-req CHEM 211), offered every spring			
PHYS 201 (pre/co-req MATH 151), offered every fall			
PHYS 202 offered every spring			

**Senior oral exam:**

All biology majors are required to take and pass a comprehensive oral exam Spring semester of their senior year. Two biology faculty members of the student's choice administer this exam

**Independent research project:**

All majors must complete an independent research project under the guidance of a faculty mentor. Students should enroll in BIOL 207 during their sophomore year to begin preparation for the project, and should have identified a faculty mentor and begun the project by the start of the junior year. Projects are subject to the requirements described in the Biology Student Research Handbook, and final results are to be presented during BIOL 450, taken in the student's final spring semester.

**Elective Courses** and **tentative** frequency of offering/ **tentative** term the course will be taught next. One from each of the categories below must be taken.

Cell/Biochemistry

- BIOL 315 (pre-req: BIOL 117 and 300) offered Spring every other year
- BIOL 332 (pre-req CHEM 211 or consent of instructor); offered Fall every year
- BIOL 430 (pre-req: BIOL 117 and CHEM 211); offered Spring every other year
- BIOL 440 (pre-req: BIOL 300 and junior or senior status); offered Fall every three years

Organismal:

- BIOL 225 (pre-req: BIOL 201 or consent of instructor); offered Spring every other year
- BIOL 275 (pre-req: BIOL 201); offered Spring every other year

Structure/Function

- BIOL 312 (pre-req: BIOL 117, 201, and 300); offered Spring every other year
- BIOL 320 (pre-req: BIOL 201 or consent of instructor); offered Fall every year
- BIOL 425 (pre-req: CHEM 112 and 112, and C or better in BIOL 201); offered Fall every year

Population/Ecosystem

- BIOL 240 (not currently taught)
- BIOL 411 (pre-req: BIOL 201, MATH 151, or consent of instructor); offered Fall every year
- BIOL 415 (pre-req: BIOL 117, 201, or consent of instructor); offered Spring every other year