

Biology Major Checklist: 2017-18 Catalog Year



Name: _____

ID: _____

Graduation Requirements

| X | Requirement |
|---|--|
| | 180 credits (lower and upper division) |
| | 60 of the 180 must be upper division |
| | Complete 45 out of last 75 credits in residence at OSU (OSU credits) |
| | Maintain a 2.0 average for your degree and major courses |
| | File for Graduation 3 terms ahead of graduating term (grad term is not always commencement term) |
| | Students should work with their advisor closely and use My Degree Audit to ensure progress |

Baccalaureate Core Requirements

| X | Category | Notes |
|--|------------------------------------|---|
| SKILLS | | |
| | Writing I | |
| | Writing II | |
| | Speech | |
| X | Math | Completed in major |
| | Fitness | |
| PERSPECTIVES – No more than 2 courses from any 1 department allowed | | |
| X | Biological Science | Completed in major |
| X | Physical Science | Completed in Major |
| X | Additional Science | Completed in Major |
| | Cultural Diversity | |
| | Literature and Arts | |
| | Social Process & Inst. | |
| | Western Culture | |
| | Difference, Pwr., & Discrimination | |
| Synthesis Courses –Courses may not be from the same department | | |
| | Contemporary Global Issues | Some major courses are also CGI courses |
| | Science, Tech, and Society | Some major courses are also STS courses |

Bacc Core Notes:

Writing I & Math must be completed in 1st 45 OSU credits

Writing II & Speech must be completed in 1st 90 credits (frosh); 1st 45 OSU credits (transfer)

Check out the OSU-Cascades Bacc Core Course List for approved Bacc Core. <http://osucascades.edu/advising/baccalaureate-core>



Biology Major Requirements – A grade of C- or higher is required of all courses in the major.

| X | Course | Term | Notes/Pre-requisites |
|--|---|------|--|
| | BI 198-Biology Freshman Seminar(1) | | Required for all Freshman/Fall term only |
| | BI 298: Integrated Professional Development Seminar (1) | | |
| | COMM 111 or COMM 218 (3) | | |
| | WR 222 or WR 327 (3) | | |
| | BI 211 – Principles of Biology (4) | | |
| | BI 212 – Principles of Biology (4) | | CH 121 or CH 231 and CH 261 |
| | BI 213 – Principles of Biology (4) | | CH 121 or CH 231 and CH 261 |
| | CH 231/261 - General Chem. (4/1) | | MTH 111 or higher |
| | CH 232/262- General Chem. (4/1) | | CH 231/261 [C- or better] |
| | CH 233/263 - General Chem. (4/1) | | CH 232/262 [C- or better] |
| | MTH 251- Calculus I (4) | | MTH 112 [C- or better] |
| | MTH 252 – Calc. II (4) | | MTH 251 [C- or better] |
| | PH 201 – Gen Physics (5) | | MTH 111 and MTH 112 |
| | PH 202 – Gen Physics (5) | | PH 201 |
| | PH 203 – Gen Physics (5) | | PH 202 |
| | CH 331 - Organic Chem. (4) | | CH 233/263 |
| | CH 332 – Organic Chem. (4) | | CH 331 [C- or better] |
| | CH 337 – Organic Chem. (4) | | CH 332 [C- or better] |
| | BB 314 – Cell Biology (4) | | BI 211-213 and CH 331 [C- or better] |
| | BB 450 – General Biochem (4) | | CH 332 [C- or better] |
| | BB 451 – General Biochem (3) | | BB 450 |
| | ST 351 – Intro to Stat Methods (4) | | High school algebra with statistics; recommend MTH 111 |
| | ST 352 – Intro to Stat Methods (4) | | ST 351 |
| | BI 311 – Genetics (4) | | BI 211-213 |
| | BI 370 – Ecology (3) | | BI 211-213 |
| | MB 302 & MB 303-Gen Micro (3/2) | | CH 322 and BI 314 |
| | BI 445 – Evolution (3) | | BI 311, rec pre-req is BI 370 |
| Organismal Biology (choose 1 course) | | | |
| | Z 477-Aquatic Entomology (4) Z 371/372-Vertebrate Biology (3/2) | | Upper Division Standing BI 211-213 |
| Physiology (choose 1 course) | | | |
| | Z423-Envir. Physio (3) | | BI 211, 212, 213 & CH 233/263 |
| Biology and Society (choose 1 course) | | | |
| | BB 332-Molecular Medicine (3) MB 330-Disease & Society (3) Z 349-Biodiversity (3) | | Any biology course (BaccCore-STS) No prerequisites (BaccCore-DPD) No prerequisites (BaccCore -CGI) |
| Writing Intensive Requirement (choose 1 course) | | | |
| | BI 371-Ecological Methods (3) | | BI 370 [C- or better] |
| Complete 1 course in a minimum of 2 tracks | | | |
| | Track 1: Integrative Biology Course | | Z 371/Z 372: Vertebrate Biology |
| | Track 2: Experiential Credits | | Minimum of 3 credits in BI 401 or BI 410 |
| | Track 3: Upper Division Science Elective Course | | Examples of courses offered onsite at Cascades: BI 315, BI 371, BB 332, MB 330, Z 349 |
| Senior Field Test | | | |
| | BI 498 – Biology Major Field Test | | Take your final term (Spring if Summer is final term) |

Disclaimer: Information is for OSU-Cascades only and is subject to change with curriculum changes. Catalog year refers to the year students are admitted to OSU and declare the Biology Major.

