

2019-20 ACADEMIC MAP

BS Biology - Pre-Veterinary Science

TOTAL HRS: 120



Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

* minimum grade required

| | FALL SEMESTER | | | | | | SPRING SEMESTER | | | | | |
|------------------|---------------------------|----------------------------|--------|----------|-----|--------|-------------------|------------------------------|--------|----------|-----|--------|
| | PREFIX | COURSE | CREDIT | AREA | GR* | SEM/GR | PREFIX | COURSE | CREDIT | AREA | GR* | SEM/GR |
| YEAR 1-Freshman | BIO 100 | General Biology I | 4 | Major | C | _____ | BIO 101 | General Biology II | 4 | Major | C | _____ |
| | CHE 101 | Gen Chem I Lecture | 3 | Gen Ed | C | _____ | CHE 102 | Gen Chem II Lecture | 3 | Gen Ed | C | _____ |
| | CHE 103 | Gen Chem I Lab | 1 | Gen Ed | C | _____ | CHE 104 | Gen Chem II Lab | 1 | Gen Ed | C | _____ |
| | ENG 101 | Composition I | 3 | Gen Ed | | _____ | ENG 102 | Composition II | 3 | Gen Ed | | _____ |
| | MAT 104 | College Algebra | 3 | Gen Ed | C | _____ | MAT 105 | Trigonometry | 3 | Spec Dgr | C | _____ |
| | FYS 100/300 ¹ | First Year Seminar | 1 | Univ Req | | _____ | _____ | Personal Development | 1 | Gen Ed | | _____ |
| | | | 15 | | | | | | 15 | | | |
| YEAR 2-Sophomore | BIO Core | Cell, Ecology, or Genetics | 4 | Major | C | _____ | BIO Core | Cell, Ecology, or Genetics | 4 | Major | C | _____ |
| | CHE 319 | Organic Chem I Lab | 1 | Minor | C | _____ | CHE 320 | Organic Chem II Lab | 1 | Minor | C | _____ |
| | CHE 321 | Organic Chem I Lecture | 3 | Minor | C | _____ | CHE 322 | Organic Chem II Lecture | 3 | Minor | C | _____ |
| | PHY 221 | Physics for Life Sci I | 3 | Major | C | _____ | PHY 222 | Phys for Life Sci II Lecture | 3 | Major | C | _____ |
| | PHY 233 | Physics for Life Sci I Lab | 1 | Major | C | _____ | PHY 234 | Phys for Life Sci II Lab | 1 | Major | C | _____ |
| | ENG 200 level | Literature | 3 | Gen Ed | | _____ | _____ | Perspectives on Society | 3 | Gen Ed | | _____ |
| | | | 15 | | | | | | 15 | | | |
| YEAR 3-Junior | BIO Core | Cell, Ecology, or Genetics | 4 | Major | C | _____ | BIO 400 level | Approved Elective | 4 | Major | C | _____ |
| | BIO 217 | Microbiology | 4 | Major | C | _____ | BIO 200-400 level | Biology Elective | 4 | Major | C | _____ |
| | MAT 251/300 | Calculus or Statistics | 3 | Spec Dgr | C | _____ | _____ | Perspectives on Society | 3 | Gen Ed | | _____ |
| | CHE 440 | Biochemistry | 4 | Minor | C | _____ | _____ | Humanities & Fine Arts | 3 | Gen Ed | | _____ |
| | | | | 15 | | | _____ | General Elective | 1 | Elective | | _____ |
| | | | | | | | | | 15 | | | |
| | GRE exam should be taken. | | | | | | | | | | | |
| YEAR 4-Senior | BIO 400 level | Approved Elective | 4 | Major | C | _____ | BIO 400 level | Approved Elective | 4 | Major | C | _____ |
| | BIO 200-400 level | Biology Elective | 4 | Major | C | _____ | BIO 200-400 level | Biology Elective | 4 | Major | C | _____ |
| | COM 101/202 | Communication Studies | 3 | Gen Ed | | _____ | _____ | General Elective | 3 | Elective | | _____ |
| | HIS 100/200 | History | 3 | Gen Ed | | _____ | _____ | Fine Arts | 3 | Gen Ed | | _____ |
| | BIO 490 | Capstone Experience | 1 | Major | C | _____ | _____ | Personal Development | 1 | Gen Ed | | _____ |
| | | | 15 | | | | | | 15 | | | |

- ¹All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).

- Additional notes on back of page.

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Additional Notes:

- Academic map displays courses required for admission to the College of Veterinary Medicine at Mississippi State University. Other veterinary medicine programs have similar requirements, but you should study the specific prerequisites at the schools to which you plan to apply. The prerequisite courses are typically completed in 2 years at DSU. Pre-vet students should also consider following the curriculum for a BS degree in Biology.
- Enrollment in upper-level BIO courses (BIO 200 and above) requires that you have "Full Admission" status. You have full admission status if you have completed BIO 100, 101, and CHE 101, 102, 103, and 104 with no grades below C. Consult the Catalog or the Division of Mathematics and Sciences website, or see your advisor for more information.
- Applicants to veterinary school must have a minimum GPA of 3.0, both as a cumulative average and in the required math/science courses. No grade lower than a C is acceptable in any required course.
- Applicants to veterinary school must submit an official score on the Graduate Record Exam (GRE). GRE scores must be submitted by December 1 of the application year and be no more than three years old.
- The College of Veterinary Medicine at Mississippi State University has much more information available on the web at <http://www.cvm.msstate.edu>
- IMPORTANT: Application to health professional schools is very competitive. Completion of the minimum requirements will not ensure admission. Admission decisions are based on policies established by the professional school's faculty and admission committee. Successful applicants typically have GPAs and other qualifications well in excess of stated minimums. Talk to your advisor for more information on what is realistically needed to have a good chance of getting into your desired professional school.