

2024-25 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 203/206	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 level	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:

- CHE 101 General Chemistry I requires math ACT subscore of 20 or higher **OR** MAT 104 with a grade of C or better **OR** CHE 100 Introduction to Chemistry with a grade of C or better.
- MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.
- MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.
- MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.
- 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.