

2022-23 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.