

2022-23 ACADEMIC MAP

BS Biology - Pre-Medical/Pre-Dental

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	
	ENG 203/206	Literature	3	Gen Ed			SOC 101	Principles of Sociology	3	Gen Ed		
	PHY 221	Phys for Life Sci I Lecture	3	Major	C		PHY 222	Phys for Life Sci II Lecture	3	Major	C	
	PHY 233	Phys for Life Sci I Lab	1	Major	C		PHY 234	Phys for Life Sci II Lab	1	Major	C	
			15						15			
YEAR 3-Junior	BIO 200-400 level	Biology Elective	4	Major	C		BIO 400 level	Approved Elective	4	Major	C	
	CHE 440	Biochemistry	4	Minor	C		BIO 200-400 level	Biology Elective	4	Major	C	
	PSY 101	General Psychology	3	Gen Ed				Fine Arts	3	Gen Ed		
	BIO Core	Cell, Ecology, or Genetics	4	Major	C			Personal Development	1	Gen Ed		
				15			MAT 251/300	Calculus or Statistics	3	Spec Dgr	C	
								15				
						MCAT exam should be taken.						
YEAR 4-Senior	BIO 400 level	Approved Elective	4	Major	C		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	
	COM 101/202	Communication Studies	3	Gen Ed			BIO 200-400 level	Biology Elective	4	Major	C	
	HIS 100/200 level	History	3	Gen Ed				Humanities & Fine Arts	3	Gen Ed		
	BIO 490	Capstone Experience	1	Major	C				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:

- The Biology: Premedical Science concentration is designed for students in pre-health professions programs, such as pre-medical, pre-dental, and pre-pharmacy, which require completion of a baccalaureate degree.
- 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.
- A baccalaureate degree from DSU requires a minimum of 120 credit hours. Of that 120 hours, at least 60 must be taken at a senior college, at least 30 must be taken at DSU, and at least 40 must be 300- or 400-level courses. Courses taken at 2-year schools cannot be counted at the 300- or 400-level. 24 of the last 30 hours must be taken at DSU.
- 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.
- This program leads to a BS degree with a major in Biology and a minor in Chemistry.
- Advanced (junior/senior level) science courses must be taken at a senior college.
- Some professional schools do not accept credit for online courses or dual-enrollment courses to satisfy any of the math or science pre-requisites.
- 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.