2024 Academic Planning Form: BIOLOGY B.S. PRE-MED

As of 6/1/2020

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	BIO 103 General Biology I	4	**BIO 104 General Biology II**	4	
	CHM 101 General Chemistry I (Natural Science Core)	4	**CHM 102 General Chemistry II**	4	
	MTH 109 Calculus I (Quantitative Reasoning Core)	3	**MTH 110 Calculus II**	3	
		15		**15**	**30**
2nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CHM 201 Organic Chemistry I	4	**CHM 202 Organic Chemistry II**	4	
	PSY 100 Intro. to Psychology (Social Science Core)	3	**BIO 200 Int. Cell Bio & Mol. Genetics (Intensive Writing II Proficiency)**	3	
	MTH 218: Biostatistics	3	SOC 100: Intro. to Sociology	3	
	Free Elective (optional)		Free Elective (optional)		
		14		**14**	**28**
3rd Year	**BIO Elective: Biochemistry (CHM 309)**	3	**BIO Elective w/ Lab**	4	
	EPS 101 General Physics I	4	**EPS 102 General Physics II**	4	
	Core	3	Core	3	
	Core	3	Core	3	
	Free Elective (optional)		Core	3	
		13		**17**	**30**
4th Year	**BIO Elective w/ Lab**	4	**BIO Elective w/ Lab**	4	
	BIO Elective	3	Core	3	
	Core	3	Core	3	
	Core	3	Core	3	
	Core	3	Free Elective	3	
		16		**16**	**32**
Graduation Requirement includes a minimum of 120 credit hours			**Total Program of Study Credits**		**120**

*****BIO BS (Pre-Med) Majors fulfill the Natural Science, Quantitative Reasoning and Social Science Cores along with the Intensive Writing II Proficiency as indicated.***
Note: DWC is equivalent to 4 cr. English. The Writing I and II Proficiencies are equivalent to at least 2 credits of English. The Premedical prerequisites listed may be spread out over four years, but are required BEFORE taking the MCAT. Students may elect to take 4 or 5 courses in the second semester freshman year. However, with two laboratory courses, 5 courses should be taken only with the advice and approval of the student's academic advisor.*Preparation for the statistics covered on the MCAT may be completed with Statistics, Biostatistics, Research, Design & Statistical Analysis (PSY 201-202), and others.

Core requirements include a foundational component and satisfaction of all proficiencies.

Foundational Component:

- DWC - 4 semester sequence, 16-20 cr.
- Theology (200 & 300 level) - 6 cr.
- Philosophy (1 Ethics) - 6 cr.
- Natural Science - 3 cr. **(CHM 101 or BIO 103)****
- Social Science - 3 cr. **(PSY 100)**
- Quantitative Reasoning - 3 cr. **(MTH 109 or higher)****
- Fine Arts - 3 cr.

Proficiencies:

- Intensive Writing - I
- Intensive Writing - II **(BIO 200)****
- Diversity
- Civic Engagement
- Oral Proficiency

Major Requirements (BIO BS PRE-MED Courses):

- BIO 103-104, 200
- CHM 101-102, 201-202
- MTH 109 & 110 or higher
- EPS 101-102
- 5 BIO Electives, 3 of these electives must be lab courses (4 cr. each)
- **Premed Requirements (HIGHLIGHTED)

2022 Academic Planning Form: BIOLOGY B.S. PRE-MED As of 5/7/2018

1st course(s) recommended for Biology B.S. Pre-Med - BIO 103-104 or CHM 101-102

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	8
	BIO 103 General Biology I	4	**BIO 104 General Biology II**	4	8
	CHM 101 General Chemistry I ***(Natural Science Core)***	4	**CHM 102 General Chemistry II**	4	8
	MTH 109 Calculus I ***(Quantitative Reasoning Core)***	3	**MTH 110 Calculus II**	3	6
		15		**15**	**30**
2nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	8
	CHM 201 Organic Chemistry I	4	**CHM 202 Organic Chemistry II**	4	8
	PSY 100 Intro. to Psychology ***(Social Science Core)***	3	**BIO 200 Int. Cell Bio & Mol. Genetics** ***(Intensive Writing II Proficiency)***	3	6
	MTH 218: Biostatistics	3	SOC 100: Intro. to Sociology	3	6
	Free Elective (optional)		Free Elective (optional)		0
		14		**14**	**28**
3rd Year	**BIO Elective: Biochemistry (CHM 309)**	3	**BIO Elective w/ Lab**	4	7
	EPS 101 General Physics I	4	**EPS 102 General Physics II**	4	8
	Core	3	Core	3	6
	Core	3	Core	3	6
	Free Elective (optional)		Core	3	3
		13		**17**	**30**
4th Year	**BIO Elective w/ Lab**	4	**BIO Elective w/ Lab**	4	8
	BIO Elective	3	Core	3	6
	Core	3	Core	3	6
	Core	3	Core	3	6
	Core	3	Free Elective	3	6
		16		**16**	**32**
Graduation Requirement includes a minimum of 120 credit hours				**Total Program of Study Credits**	**120**

Core requirements include a foundational component, core focus, and satisfaction of all proficiencies.

Foundational Component:
DWC - 4 semester sequence, 16-20 cr.
Theology (200 & 300 level) - 6 cr.
Philosophy (1 Ethics) - 6 cr.
Natural Science - 3 cr. ***(CHM 101 or BIO 103)*****
Social Science - 3 cr. ***(PSY 100)***
Quantitative Reasoning - 3 cr. ***(MTH 109 or higher)*****
Fine Arts - 3 cr.

Proficiencies:
Intensive Writing - I
Intensive Writing - II ***(BIO 200)*****
Oral Communication
Diversity
Civic Engagement

Core Focus:
2 courses/ 6 cr. outside the major from either the same core discipline, language **or** the same themed area*

*Students completing the Liberal Arts Honors Program satisfy the core focus requirement

Major Requirements: (BOLD)
BIO 103-104, 200
CHM 101-102, 201-202
MTH 109 & 110 or higher
EPS 101-102
5 BIO Electives, 3 of these electives must be lab courses (4 cr. each)
Premed Requirements (HIGHLIGHTED)

*****BIO BS (Pre-Med) Majors fulfill the Natural Science, Quantitative Reasoning and Social Science Cores along with the Intensive Writing II Proficiency as indicated.***

Note: DWC is equivalent to 4 cr. English. The Writing I and II Proficiencies are equivalent to at least 2 credits of English.
The Premedical prerequisites listed may be spread out over four years, but are required BEFORE taking the MCAT. Students may elect to take 4 or 5 courses in the second semester freshman year. However, with two laboratory courses, 5 courses should be taken only with the advice and approval of the student's academic advisor.
***Preparation for the statistics covered on the MCAT may be completed with Statistics, Biostatistics, Research, Design & Statistical Analysis (PSY 201-202), and others.**