

CELL AND MOLECULAR BIOLOGY MAJOR with intent to prepare for graduate major in Physical Therapy
RECOMMENDATIONS FOR COURSEWORK SEQUENCING

Semester I:	Hours	Semester II:	
BMS 110: Concepts in Biomedical Sciences*	4	BMS 231: Human Genetics	4
CHM 160: General Chemistry I*	4	CHM 170: General Chemistry II	3
PSY 121: Introductory Psychology*	3	CHM 175: General Chemistry Laboratory	2
IDS 110: Introduction to University Life**	1	CIS/CSC 101: Introduction to Computing**	2
ENG 110: Writing I**	3	SOC 150* or COM 115** (COM 115 should be completed by 60 credit hours)	3
	<hr style="width: 100%; border: 0.5px solid black;"/>	PED 100: Fitness for Living**	2
	15		<hr style="width: 100%; border: 0.5px solid black;"/>
			16
Semester III:		Semester IV:	
MTH 138: Pre-Calculus Mathematics** or	3-5	BMS 308: Human Physiology	4
MTH 135: College Algebra**		MTH 181 or 261	3-5
CHM 310: Organic Chemistry I	5	CHM 311 or CHM 312: Organic Chemistry II	3-5
BMS 307: Human Anatomy	4	BMS 321: Biomolecular Interactions	4
SOC 150 or COM 115 or PSY 304	3	SOC 150, COM 115, PSY 304	3-4
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	15-17		~17
Semester V		Semester VI	
BMS 521: Molecular Cell Biology	4	PHY 124: Introduction to Physics II	4
MTH 287: Computational Calculus with Analytic Geometry I	3	BMS 525: Molecular Biology	4
PHY 123: Introduction to Physics	4	ENG 221: Writing for the Professions	3
PSY 200: Psychological Statistical Methods	3	HST 121 or 122: Survey of History of the United States*	3
SOC 150 or PSY 304	3	Culture and Society: Humanities Perspective: GenEd*	3
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	17		17
Semester VII		Semester VIII	
BMS elective	3-5	BMS electives	8-9
BMS elective	3-5	Self-Understanding: Creativity and Vision Perspective: GenEd (ENG 205, 203, OR 215 CREATIVE WRITING)*	3
PLS 101: American Democracy and Citizenship	3	PSY 363, 365, 441, or 487: (applied psychology)	3
FGB 135: Introduction to Business OR ECO 155: Principles of Macroeconomics	3	Self-Understanding: Humanities Perspective: GenEd*	3
GEP 397: Capstone Course	3		
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Approximately 132 Credit Hours

* Indicates a course that will meet a general education requirement

** Indicates a course that must be taken to meet general education requirements

Courses that are **highlighted** are prerequisite courses for admission to the Physical Therapy Program at SMS

Please note:

The above recommendations for coursework sequencing are intended to serve as an example of how prerequisites for a graduate major in physical therapy may be completed while acquiring an undergraduate degree. Your proposed schedule should be reviewed with your advisor in the department of your major.

Some courses, including those in mathematics and computer science may require placement tests. You may be required to take courses other than those that are listed above or you may test out of specific courses. Taking MTH 135 and 181 (both courses) will meet the Department of Physical Therapy prerequisite for mathematics.

Please feel free to contact the Department of Physical Therapy with any questions regarding preparation for a graduate major in physical therapy. Phone: (417) 836-6179