

Medicine Four Year Plan

FIRST YEAR	
Pre-Medicine courses	Major courses
Fall	
FTS 100 (Writing Intensive course – WRIT1) BIO 101 Principles of Biology (MCAT) CHE 107 Principles of Chemistry (MCAT) PSY 100 General Psychology or S/A 112 Principles of Sociology (MCAT)	BIO 101 Principles of Biology CHE 107 Principles of Chemistry
Spring	
BIO 102 Organismal Biology (MCAT) CHE 141 Organic Chemistry I (MCAT) MCS 121 Calculus I S/A 112 Principles of Sociology or PSY 100 General Psychology (MCAT)	BIO 102 Organismal Biology CHE 141 Organic Chemistry I MCS 121 Calculus I

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SECOND YEAR	
Pre-Medicine courses	Major courses
Fall	
BIO 201 Cell and Molecular Biology (recommended) (MCAT recommended)	BIO 201 Cell and Molecular Biology
CHE 251 Organic Chemistry II (MCAT)	CHE 251 Organic Chemistry II
English – literature	
January Interim	
NDL 068 Career Exploration (strongly recommended)	
Spring	
CHE 258 Inorganic Chemistry I (MCAT recommended)	CHE 258 Inorganic Chemistry I
BIO 202 Evolution, Ecology, and Behavior (recommended) (MCAT recommended)	CHE elective for BMB major #1**
	MCS 122 Calculus II

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THIRD YEAR	
Pre-Medicine courses	Major courses
Fall	
PHY 122/121 General Physics I w/ calculus (MCAT)	PHY 122/121 General Physics I w/ calculus
CHE 255 Biochemistry (MCAT)	CHE 255 Biochemistry
	CHE 399 Chemistry Seminar*
Spring	
PHY 172/171 General Physics II w/ calculus (MCAT)	PHY 172/171 General Physics II w/ calculus
	BIO 388 Molecular Genetics (or CHE 360 Proteins)
	CHE 399 Chemistry Seminar*

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FOURTH YEAR	
Pre-Medicine courses	Major courses
Fall	
<p>Elective – Humanities or Social Science upper level course, with an intensive writing requirement, WRITD. (U of M requirement – “upper level courses are typically those with a course number of 300 or higher. Writing intensive courses are ones in which writing is an integral part of the course. Typically, you’re required to complete at least one, 10 page paper.”) U of M accepts a Gustavus 200 or 300 level Humanities or Social Science with the writing component for this requirement. **</p> <p>MCS 142 Introduction to Statistics (or equivalent recommended, Fall 2016 Creighton requirement)**</p> <p>HES 234 Human Anatomy and Physiology I or HES 235 Human Anatomy and Physiology II (Fall 2016 Creighton requirement)**</p>	<p>CHE 371 Physical Chemistry I</p> <p>CHE elective for BMB major #2**</p> <p>CHE 399 Chemistry Seminar*</p>
Spring	
	<p>CHE 360 Proteins (or BIO 388 Molecular Genetics)</p> <p>CHE elective for BMB major #1 and #2 (if not yet taken)**</p> <p>CHE 399 Chemistry Seminar*</p>

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HES 234 Human Anatomy and Physiology I or HES 235 Human Anatomy and Physiology II (Fall 2016 Creighton requirement)**	
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* a total of four semesters of CHE 399 is required for the BMB major. Students could enroll in CHE 399 as early as sophomore year.

** These courses are flexible in the Junior or Senior year

This is a general plan of study including only the requirements for Medicine and the BMB- chemistry track_Major. Please speak with your faculty advisor about if this is the best layout of classes for you, if you are off-track and about fitting in your general liberal arts education courses.

It is important to note the minimum grade needed for any course to satisfy any course prerequisites in Biology and Chemistry. This is outlined in the catalog.