

2028 Academic Planning Form: MATHEMATICS B.A.

5/22/2024

1st course(s) recommended for Mathematics - MTH 131

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
<b>1<sup>st</sup> Year</b>	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	*MTH 131 Calc & Analytical Geometry I ( <b>Quantitative Reasoning Core</b> )	4	MTH 132 Calc & Analytical Geometry II	4	
	CSC 103 OR CSC 104	3	Free Elective	4	
	MTH 103 First Year Mathematics Seminar	1	Core	3	
		<b>12</b>		<b>15</b>	
				<b>27</b>	
<b>2<sup>nd</sup> Year</b>	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	MTH 223 Calculus III	4	MTH 290 Foundations of Higher Mathematics	3	
	MTH 215 Linear Algebra	3	Free Elective	3	
	Free Elective	3	Core	3	
	Core	3	Core	3	
		<b>17</b>		<b>16</b>	
				<b>33</b>	
<b>3<sup>rd</sup> Year</b>	MTH 323 Real Analysis I	3	MTH 324 Real Analysis II <b>OR</b> MTH 316 Abstract Algebra II <b>OR</b> MTH 330 Complex Variables	3	
	MTH 315 Abstract Algebra I	3	MTH Elective	3	
	Free Elective	3	Free Elective	3	
	Core	3	Core	3	
	Core	3	Core	3	
		<b>15</b>		<b>15</b>	
				<b>30</b>	
<b>4<sup>th</sup> Year</b>	Core	3	MTH Elective	3	
	Core	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
		<b>15</b>		<b>15</b>	
				<b>30</b>	
<b>*Graduation Requirement includes a minimum of 120 credit hours*</b>			<b>Total Program of Study Credits</b>		<b>120</b>
<b>**Currently, MTH Majors fulfill the Quantitative Reasoning Core.</b>					
<b>Core requirements include a foundational component and satisfaction of all proficiencies.</b>					
<b>Foundational Component:</b>			<b>Proficiencies:</b>		
<ul style="list-style-type: none"> <li>• DWC - 4 semester sequence, 16-20 cr.</li> <li>• Theology (200 &amp; 300 level) - 6 cr.</li> <li>• Philosophy (1 Ethics) - 6 cr.</li> <li>• Natural Science - 3 cr.</li> <li>• Social Science - 3 cr.</li> <li>• Quantitative Reasoning - 3 cr. (<i>MTH 131 or 132</i>)</li> <li>• Fine Arts - 3 cr.</li> </ul>			<ul style="list-style-type: none"> <li>• Intensive Writing - I</li> <li>• Intensive Writing - II</li> <li>• Diversity</li> <li>• Civic Engagement</li> <li>• Oral Proficiency</li> </ul>		
<b>Major Requirements (MTH Courses):</b>					
<ul style="list-style-type: none"> <li>• MTH 131*, 132, 215, 223, 290, 315, 323, 324 OR 316 OR 330</li> <li>• MTH Elective (2) (must be 300-level or higher)</li> </ul>			<ul style="list-style-type: none"> <li>• CSC 103 or CSC 104 or any CSC courses numbered 200 or higher but not CSC 340</li> <li>• *MTH 131 requirement is waived for math majors placed into MTH 132</li> </ul>		