BACHELOR OF SCIENCE IN MATHEMATICAL SCIENCES **Catalogue**

Major: MATHEMATICS **2021-2022**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar	1		QD: MATH 1248 - Calculus II	4	
QD: CS 1210 - Computer Programming I	3		QD: MATH 2055 - Fundamentals of Mathematics	3	
QD: MATH 1234 - Calculus I	4		WIL (ENGL 1001, HCOL 1000)[1]	3	
Humanities & Social Science Course[1]	3		Humanities & Social Science Course[1]	3	
Allied Field Course[2]	3		Free Elective	3	
Total credits	*14*		*Total credits*	*16*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: MATH 2248 - Calculus III	4		Major Course[3] (1XX)	3	
Allied Field Course[2] (with lab)	4		Major Course[3] (1XX)	3	
Allied Field Course[2]	3		Allied Field Course[2]	3	
Humanities & Social Science Course[1]	3		Humanities & Social Science Course[1]	3	
QD: MATH 2522 or 2544 - (Applied) Linear Algebra	3		Free Elective	3	
Total credits	*17*		*Total credits*	*15*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: MATH 3468 - Analysis in Several Real Vars I	3		Major Course[3] (1XX)	3	
QD: MATH 3551 - Abstract Algebra I	3		Major Course[3] (2XX)	3	
Humanities & Social Science Course[1]	3		Allied Field Course[2]	3	
Allied Field Course[2]	3		Humanities & Social Science Course[1]	3	
Free Elective	3		Humanities & Social Science Course[1]	3	
Total credits	*15*		*Total credits*	*15*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
Major Course[3] (2XX)	3		Major Course[3] (2XX)	3	
Major Course[3] (2XX)	3		Allied Field Course[2] (1XX)	3	
Allied Field Course[2] (1XX)	3		Free Elective	3	
Free Elective	3		Free Elective	3	
Free Elective	4				
Total credits	*16*		*Total credits*	*12*	

Minimum Total Credits Required for Degree: 120

****Ultilize degree audit or re-numbering widget (bit.ly/UVMWidget) to confirm courses.****

1. Humanities & Social Sciences: Twenty-four credits of courses selected from Categories I, II, and III listed in the Catalogue (I: Language & Literature, II: Humanties & Fine Arts, III: Social Sciences). See Catalogue for full list of courses.
Students are encouraged to use these courses to fulfill the University Requirements - Diversity (D1/D2), Sustainability (SU), and Foundationa Writing & Information Literacy (WIL). Note the Quantitative (QD) reasoning is fulfilled by core requirements.
2. Allied Field Courses: Twenty-four credits selected from the list of Allied Fields outlined in the Catalogue, including at least one laboratory experience in science or engineering. Of these twenty-four credits, at least six must be in courses numbered 100 or above, and at least six must be taken in fields 1 to 5. Refer to Catalogue for complete list.
3. Major Courses: A minimum of twenty-one additional credits in mathematics, statistics, or computer science courses numbered 100 or above. At least twelve credits must be in courses numbered 200 or above and no more than twelve credits can be taken in computer science.

This document is an advising tool and should be used in combination with a student's degree audit, as well as the published