

B.S. IN MATHEMATICAL SCIENCES, Double major in Statistics and Mathematics

Catalogue 2019-2020

Student: _____

Advisor: _____

Honors College

Net ID: _____

Date: _____

CORE:						CREDITS
MATH 21 4 Calculus I	MATH 22 4 Calculus II	MATH 121 4 Calculus III	MATH 122 or 124 Linear Algebra	CS 21 3 Intro. to Prog.	CEMS 101 1 Jr Yr HCOL Res Exp.	19
STAT 201 3 Statistical Analysis Via Computer	STAT 141, 143 or 211 3 Statistical Methods or Stat for Engrs.	STAT 151 or 251 3 Applied Probability or Probability Theory	STAT 221 3 Statistical Methods II	STAT 241 or 261 3 Statistical Inference or Statistical Theory	*STAT 281 or 293 Practicum or Honors Thesis	18
* Students may substitute an advisor-approved 200-level STAT course for the STAT 281/STAT 293 requirement						

An additional 6 credits in STAT (must have a total of 24 STAT credits including core courses); at least 3 additional credits in MATH, STAT or CS numbered 100 or above (must have a total of 45 credits of MATH, STAT or CS including applicable core courses); a total of 18 credit hours of MATH, STAT, or CS must be numbered 200 or above (core courses can be used to fulfill this requirement); no more than 12 credit hours can be CS.

MATH requirements: Students may earn a double major in mathematics and statistics by meeting the requirements of the statistics major and earning an additional fifteen credits in mathematics including MATH 052 and two of MATH 230, 237, 241, and 251 (may not overlap with statistics major requirements):

*STAT 294 Honors Thesis		9 credits (minimum)	MATH 052	MATH 230/237/241/251	MATH 230/237/241/251
	*Students may pursue a thesis in either MATH or STAT		*MATH XXX	*MATH XXX	15 credits (min)

ALLIED 24 credit hours from Allied Fields (including at least one laboratory experience in science or engineering); at least 6 credits numbered 100 or above; at least 6 credits in fields 1 – 5.

FIELDS: Absolutely no courses from the ‘major courses’ above can be used to fulfill an allied field requirement. There is no overlapping.

1. Physical Sciences	4. Engineering	7. Business Administration	10. Environmental Sciences/Studies
2. Biological Sciences	5. Computer Sci. (110 or higher)	8. Psychology	11. Natural Resources
3. Medical Sciences	6. Agricultural Sciences	9. Economics	
			CREDITS
			24

HSS: HCOL 085, SPCH 011 plus 18 credit hours of HSS from categories I, II & III (for a total of 24 credit hours). At least 6 credit hours must be taken in at least 2 different categories. HCOL 086, 185, 186 may count toward various categories with Program Chair & Advisor approval (documented with a substitution form).

Category I: Arabic, Chinese, Classics, English, French, German, Greek, Hebrew, Italian, Japanese, Latin, Linguistics, Portuguese, Russian, Spanish, World Literature

Category II: Art History, Dance, Film & Television Studies, Music, Philosophy, Religion, Speech, Studio Art, Theatre

Category III: Anthropology, Communication Sciences & Disorders, Critical Race & Ethnic Studies, Economics, Gender, Sexuality, and Women’s Studies, Geography, Global and Regional Studies, History, Holocaust Studies, Human Development & Family Studies, Political Science, Psychology, Sociology, Vermont Studies

Category I: Language & Literature	HCOL 085 3 Pursuit of Knowledge	SPCH 011 3 Effective Speaking				
Category II: Fine Arts, Philosophy & Religion						
Category III: Social Sciences						
						24

Total credits required for graduation is 120. Students must also satisfy the University Diversity Requirement (3 credits from category D1 and 3 credits from either category D1 or D2) and the University's Sustainability requirement. This document is an advising tool and should be used in combination with a student’s degree audit, as well as the published Catalogue for 2019-2020 found at <http://catalogue.uvm.edu/>