Major: MATHEMATICS and STATISTICS (Double Major) Student:

## netID:

Date:
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 |  | SPCH 1400- Effective Speaking | 3 |  |
| QD: MATH 1234 - Calculus I | 4 |  | WIL: (ENGL 1001, HCOL 1000) ${ }^{1}$ | 3 |  |
| Humanities \& Social Science Course | 3 |  | QD: MATH 2055-Fundamentals of Mathematics | 3 |  |
| QD: STAT 1410 or 2430- Basic Stat Meth I/Stat for Engr | 3 |  | QD: STAT 2830-Basic Statistical Methods II | 3 |  |
|  |  |  |  |  |  |
| Total credits | 14 |  | Total credits | 16 |  |

Year 2

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
| :--- | :---: | :--- | :--- | :--- | :---: | :---: |
| QD: MATH 2248-Calculus III | 4 |  | QD: MATH 2522 or 2544-(Applied) Linear Algebra | 3 |  |
| Allied Field Course ${ }^{2}$ (with lab) | 4 |  | QD: STAT 3010 - Stat Computing \& Data Analysis | 3 |  |
| QD: STAT 2870 - Basics of Data Science | 3 |  | Humanities \& Social Science Course ${ }^{1}$ | 3 |  |
| Humanities \& Social Science Course ${ }^{1}$ | 3 |  | Major Course $^{3}$ (MATH, STAT, CS 1XX) | 3 |  |
| QD: STAT 2510 or 5510 - Applied Probability/Prob Theory | 3 |  | MATH 3230/3737/3468/3551 | 3 |  |
|  |  |  |  |  |  |
| Total credits | 17 |  | Total credits | 15 |  |

Year 3

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Allied Field Course ${ }^{2}$ | 3 |  | Allied Field Course ${ }^{2}$ | 3 |  |
| Major Course ${ }^{3}$ (STAT) | 3 |  | QD: STAT 3410 or 5610 - Statistical Inference/Theory | 3 |  |
| Allied Field Course ${ }^{2}$ | 3 |  | Allied Field Course ${ }^{2}$ | 3 |  |
| Humanities \& Social Science Course ${ }^{1}$ | 3 |  | Humanities \& Social Science Course ${ }^{1}$ | 3 |  |
| QD: STAT 3210 - Statistical Methods II | 3 |  | MATH 3230/3737/3468/3551 | 3 |  |
|  |  |  |  |  |  |
| Total credits | 15 |  | Total credits | 15 |  |

Year 4

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
| :--- | :---: | :---: | :--- | :--- | :---: | :---: |
| Major Course $^{3}$ (STAT) | 3 |  | Humanities \& Social Science Course ${ }^{1}$ | 3 |  |
| Allied Field Course $^{2}$ | 2 |  | Allied Field Course ${ }^{2}$ (1XX) | 3 |  |
| Allied Field Course ${ }^{2}(1 \times X)$ | 3 |  | STAT 4810 or 3996-Capstone or Thesis | 3 |  |
| MATH XXXX $^{\text {Free Elective }}$ | 4 |  | MATH XXXX | 3 |  |
|  | 4 |  |  |  |  |
| Total credits |  |  |  |  |  |

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-one 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 Foundational Writing \& Information Literacy (FWIL). Note the Quantitative (QR) 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: An additional six credits of statistics, so that the total credits earned in statistics is at least twenty-four. A minimum of three additional credits in mathematics, statistics, or computer science courses numbered 100 or above, so that a total of at least forty-five credits in the core and major courses are earned. A total of eighteen credits in the combined core and major courses must be taken at the 200-level.
No more than twelve credits can be taken in computer science.
N.B. Statistics majors may count no more than two of the following courses toward their degree requirements: STAT 1050,STAT 1110, STAT 1410, and STAT 2430. Credit not given for more than one of STAT 1410, and STAT 2430. Recommended courses are STAT 1410, and STAT

## 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 2022-2023 found at http://catalogue.uvm.edu/