Student: _____     Date: _____

netID: _____     Advisor: _____

**Year 1**

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
|---|---|---|---|---|---|
| MA: MATH 1234 - Calculus I* | 4 | | MA: MATH 1248 - Calculus II*<br>*MATH 1234* | 4 | |
| QD: CS 1210 - Computer Programming I | 3 | | QD: STAT 2430 - Statistics for Engineering**<br>*MATH 1234*<br>**OR** QD: STAT 1410 - Basic Statistical Methods** | 3 | |
| CEMS 1500 - CEMS First Year Seminar | 1 | | OC: SPCH 1400 - Effective Speaking | 3 | |
| Catamount Core (WIL1): HCOL 1000 - FY Writing Seminar | 3 | | QD, QR: STAT 1870- Intro to Data Science | 3 | |
| Catamount Core | 3 | | HCOL 1500 - FY Research Presentation Seminar | 3 | |
| *Total credits* | *14* | | *Total credits* | *16* | |

**Year 2**

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
|---|---|---|---|---|---|
| STAT 2830 - Basic Statistical Methods 2**<br>*STAT 2430* | 3 | | STAT 3010 - Stat Computing & Data Anlysis<br>*STAT 2430* | 3 | |
| STAT 2510 - Applied Probability**<br>*MATH 1248* | 3 | | MA: MATH 2522 - Applied Linear Algebra<br>*MATH 1248*<br>**OR** MA: MATH 2544 - Linear Algebra<br>*MATH 1248; Pre/Coreq: MATH 2248* | 3 | |
| STAT 2870 - Basics of Data Science<br>*STAT 2430* | 3 | | Minor Course | 3 | |
| Minor Course | 3 | | Catamount Core | 3 | |
| Minor Course | 3 | | HCOL 2000 - Sophomore Seminar | 3 | |
| HCOL 2000 - Sophomore Seminar | 3 | | | | |
| | | | | | |
| *Total credits* | *18* | | *Total credits* | *15* | |

**Year 3**

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
|---|---|---|---|---|---|
| STAT 3210 - Advanced Statistical Methods<br>*STAT 2830* | 3 | | STAT 3410 - Statistical Inference<br>*STAT 2510; STAT 2430; MATH 2248* | 3 | |
| Minor Course | 3 | | STAT Elective (3000 Level or above) | 3 | |
| Catamount Core | 3 | | Minor Course | 3 | |
| Catamount Core | 3 | | Catamount Core | 3 | |
| Free Elective | 3 | | Catamount Core | 3 | |
| CEMS 2010 - HCOL Research Experience | 1 | | CEMS 2020 - Research Thesis Proposal | 1 | |
| *Total credits* | *16* | | *Total credits* | *16* | |

**Year 4**

| Semester 1 | Cr | Status | Semester 2 | Cr | Status |
|---|---|---|---|---|---|
| STAT 3000 - Med Biostat & Epidemiology<br>*STAT 2430 or STAT 3210* | 3 | | Capstone Experience (Honors Thesis) | 3 | |
| STAT Elective (3000 Level or above) | 3 | | Catamount Core | 3 | |
| Minor Course | 3 | | Catamount Core | 3 | |
| Catamount Core | 3 | | Catamount Core | 3 | |
| Honors Thesis | 3 | | Free Elective | 3 | |
| *Total credits* | *15* | | *Total credits* | *15* | |

*Minimum Total Credits Required for Degree: 120*

**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 2024-2025 found at http://catalogue.uvm.edu/**

**Prerequisite courses** are listed below the course name in italics. Prerequisites listed are only for courses, as relevant to your specific degree program, and may have other registration restrictions. Please refer to the catalogue.

\* Grade of C- or higher required

\*\* Grade of C or higher required

Major Course: Please refer to your degree audit to see course options.

Minor Course: A student must complete a minor in a field other than Mathematics or Statistics by satisfying the requirements specified by the Department or Program supervising the minor. This minor can be within CEMS or a different college. Completion of a second major or second degree in a field other than Mathematics will satisfy the minor requirement.

**Catamount Core:** Students may take courses that fulfill more than one Catamount Core requirement, but they must still take at least 40 unique credits of courses that have been approved to fulfill Catamount Core requirements.

Students are encouraged to overlap Catamount Core requirements with their PLHC required courses (HCOL 1500 and both HCOL 2000 courses)