Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Department of Mathematics and Statistics**

**STATISTICS & DATA SCIENCE**

**Lower Division Requirements**

|  |  |  |
| --- | --- | --- |
| Course | Title | Semester |
| Math 131 | Calculus I |  |
| Math 132 | Calculus II |  |
| Math 233 | Calculus III |  |
| Math 235 | Linear Algebra |  |
| CICS 110  (or Info 190S or CS 121) | Programming |  |
| Math 300  (or CS 250) | Intro to Abstract Math |  |
| Math 370 | Jr. Yr. Writing |  |

**Integrative Experience (IE) for Primary Math/Stat Majors**

One of the following:

* Math 455
* Math 456
* Math 475
* Stat 525

The IE can also satisfy another requirement on this page.

**Upper Division Requirements**

|  |  |  |
| --- | --- | --- |
| Course | Title | Semester |
| Stat 315/ 515 | Statistics I |  |
| Stat 516 | Statistics II |  |

One of: Math 545 or Math 411

|  |  |
| --- | --- |
| Course | Semester |
|  |  |

**Comments:**

ID#: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Upper Division Requirements (Continued**

**Advanced Calculus**

One of: Math 425 (no longer offered), Math 523H, Math 548/597U, Stat 310/297F, Stat 526, Stat 535, any Stat course above 535, or a 3-credit Public Health course numbered 390 or higher.

If a PubHlth course is used here, then up to one course from outside Math/Stat can be used as an upper division elective below.

|  |  |
| --- | --- |
| Course | Semester |
|  |  |

**Advanced Statistics**

One of: Stat 525 (also satisfies Math/Stat IE requirement) or Stat 526

|  |  |
| --- | --- |
| Course | Semester |
|  |  |

**Upper Division Electives**

Three (3) additional 3 credit Math or Stats courses numbered 390 or higher (or Math 331) (except Stat 501).

Primary majors may use one approved course from outside the department toward this requirement. Secondary majors may use a total of two outside courses among this and the Math 425 requirement above. The list of approved courses is at: <https://www.umass.edu/mathematics-statistics/undergraduate/minor#course%20list>

|  |  |
| --- | --- |
| Course | Semester |
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