B.A.¹ (Mathematics)/M.S. (Statistics)  
Catalog: 2017

Name: _____________________________            Student ID: ______________

**CORE COURSES - UNDERGRADUATE**

- _____ MATH 122A & B or 125
- _____ MATH 129
- _____ MATH 223
- _____ MATH 313
- _____ MATH 323
- _____ MATH 355

**CORE COURSES – GRADUATE**

- _____ STAT/MATH 564
- _____ STAT/MATH 566
- _____ STAT/MATH 571A
- _____ STAT/MATH 571B
- _____ STAT/ABE/CPH 688 ²

**SUPPORTING PROGRAMMING COURSE:** _____ CSC 110 or ISTA 130³

**ADDITIONAL COURSEWORK – UNDERGRADUATE**

In addition to the undergraduate core courses listed above, students are required to select and complete either the Applied or the Probability/Statistics emphasis for the B.A. degree, where the STAT/MATH 564 and STAT/MATH 566 graduate core courses will substitute for the MATH 464 and MATH 466 sequence. The courses listed below complete the selected emphasis. The Probability/Statistics option is the most appropriate for students who intend to complete a Ph.D. in Statistics; students who do not plan to pursue graduate studies in Statistics beyond the accelerated M.S. degree may select the Applied emphasis.

B.A. students are still required to complete a minor. Students must earn a minimum of 108 total units of undergraduate credit (30 upper-division undergraduate units); 12 units of graduate credit taken during the Senior year will supplement to reach the 120 total units and 42 upper-division units required for the B.A.

<table>
<thead>
<tr>
<th>Applied emphasis</th>
<th>Probability/Statistics emphasis</th>
<th>Application Courses³</th>
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</thead>
<tbody>
<tr>
<td>_____ MATH 422</td>
<td>_____ MATH 425A</td>
<td>_____ _____</td>
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<tr>
<td>_____ MATH 485</td>
<td>_____ MATH 413</td>
<td>_____ _____</td>
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<tr>
<td>_____ MATH 413</td>
<td>_____ MATH 425B or 468</td>
<td>_____ _____</td>
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**ADDITIONAL COURSEWORK – GRADUATE**

For the M.S. degree, students must complete at least 30 units of graduate-level coursework (graded C or better), including: 15 units of core courses listed above, at least 3 units of advanced statistical coursework, and at least 12 units selected from the list of approved elective courses. Students must also pass a Qualifying Exam at the Master’s degree level.⁴

**ADVANCED STATISTICAL COURSEWORK – SELECT FROM:**

- _____ CPH/EPID 648
- _____ CPH/EPID 684
- _____ CPH/EPID 686
- _____ MATH/STAT 563
- _____ STAT/MATH 567A
- _____ STAT/MATH 567B
- _____ STAT/ECON 574B
- _____ STAT/SOC 574C
- _____ STAT/MATH/CPH 574E
- _____ STAT 574S
- _____ STAT/MATH 574T
- _____ STAT 675
- _____ STAT/CPH/EPID 687

**APPROVED GRADUATE ELECTIVE COURSES:** Consult the current edition of the Graduate Student Handbook for an updated list of available courses: [http://stat.arizona.edu/graduate-program](http://stat.arizona.edu/graduate-program) (see resources list)

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1 See the official undergraduate BA requirements for detailed information regarding Gen Eds (including Natural Science), Foundations (including Language), and Minor requirements.

2 A maximum of 3 units of Statistical Consulting (STAT/ABE/CPH 688) may be applied towards the Core M.S. course requirements.

3 See the complete math major requirements for alternative programming courses.

4 The exam is offered each May and January, and has two parts: theory (covering STAT 564 and 566) and methodology (covering STAT 571A and 571B).