B.A.1 (Mathematics)/M.S. (Statistics)  

Core Courses - Undergraduate

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

Core Courses – Graduate

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

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 emphasis 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.

Applied emphasis

_____ MATH 422  
_____ MATH 485  
_____ MATH 413

Probability/Statistics emphasis

_____ MATH 425A  
_____ MATH 413  
_____ MATH 425B or 468

Application Courses3


Addtional 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/MATH 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 (see resources list)

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).