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

Core Courses - Undergraduate

- MATH 122A & B or 125
- MATH 129
- MATH 223
- MATH 23
- MATH 313
- MATH 32

Core Courses – Graduate

- STAT/MATH 564
- STAT/MATH 566
- STAT/MATH 571A
- 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.S. 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.S. students are still required to complete 6 units of application course work, and must also 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.S.

Applied emphasis

- MATH 422
- MATH 425A
- MATH 425B

Probability/Statistics emphasis

- MATH 425A
- MATH 413
- MATH 425B or 468

Application Courses⁴

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 574T
- STAT 574S
- 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)

¹See the official undergraduate BS requirements for detailed information regarding Gen Eds, Foundations, Lab Science, Application Courses, and Minor requirements.

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

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

⁴At least six units of course work applying calculus or higher-level mathematics to a non-mathematical field must be completed for the B.S. For a list of approved application courses, see the math major B.S. requirements in the catalog.

⁵The exam is offered each May and January, and has two parts: theory (covering STAT 564 and 566) and methodology (covering STAT 571A and 571B).