B.S.[1] (Mathematics)/M.S. (Statistics) **Catalogs: 2017 & 2018**

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 130[3]

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 485
_____ MATH 413

Probability/Statistics emphasis
_____ MATH 425A
_____ MATH 413
_____ MATH 425B or 468

Application Courses[4]
_____ _____
_____ _____

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.[5]

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 (see resources list)

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

[5]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).