B.S.[1] (Mathematics)/M.S. (Statistics)   Catalog: 2015

Name: _____   Student ID: _____

Core Courses – Undergraduate

		_____ MATH 223
_____ CSC 127A or ISTA 130[5]	_____ MATH 129	_____ MATH 323
_____ MATH 122A & B or 125	_____ MATH 313 (formerly 215)	_____ MATH 355

Core Courses – Graduate

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

Additional Coursework – Undergraduate

In addition to the undergraduate core courses listed above, students are required to select and complete either the General/Applied or the Probability/Statistics option 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 option. 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 General/Applied option.

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.

General/Applied option	Probability/Statistics option	Application Courses[3]
_____ MATH 422	_____ MATH 425A	_____ _____
_____ MATH 485	_____ MATH 413	_____ _____
_____ MATH 413	_____ MATH 425B or 468	

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:

		_____ STAT/MATH/CPH 574E
_____ CPH/EPID 648	_____ STAT/MATH 567A	_____ STAT 574S
_____ CPH/EPID 684	_____ STAT/MATH 567B	_____ STAT/MATH 574T
_____ CPH/EPID 686	_____ STAT/ECON 574B	_____ STAT 675
_____ MATH/STAT 563	_____ STAT/SOC 574C	_____ 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.bio5.org/sites/default/files/GradHandbook2013.pdf

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[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] 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.

[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).

[5] See the complete math major requirements for alternative programming courses.