B.S.[1] (Math or SDS)/M.S. (Statistics & Data Science)   Catalog: 2022

Name: _____   Student ID: _____

CORE COURSES – UNDERGRADUATE (MATH MAJOR)

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

CORE COURSES – UNDERGRADUATE (SDS MAJOR)

_____ MATH 122A & B or 125	_____ MATH 223	_____ DATA 363
_____ MATH 129	_____ MATH 313	_____ DATA 375

CORE COURSES – GRADUATE

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

SUPPORTING PROGRAMMING COURSE: _____ CSC 110 or ISTA 130[3]

ADDITIONAL COURSEWORK – UNDERGRADUATE

In addition to the undergraduate core courses listed above, Math majors are required to select and complete either the Applied or the Probability/Statistics emphasis for the B.S. degree. For either the Math major or the SDS major, 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/major. 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 of the Math major OR the SDS major.

B.S. students are still required to complete 3 units of application course work[4] and must also complete a minor outside the Math Department. 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	**Prob/Stats emphasis**	**SDS Major**
_____ MATH 422	_____ MATH 425A	_____ DATA 467
_____ MATH 481 or 485	_____ MATH 413	_____ DATA 498A
_____ MATH 413	_____ MATH 425B or 468	_____ DATA elective

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 12 units selected from the list of approved elective courses, and at least 3 units of advanced statistical coursework OR completion of an MS thesis.

Consult the Statistics & Data Science GIDP website for a current list of available courses:
https://statistics.arizona.edu/coursework-degree-ms

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

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

[3] See the complete math major requirements for alternative programming courses. The SDS major requires a Python course.

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