

Revised Major Requirements	Mathematics
Total # of units required for major, excluding any required Intensive(s)	10
Required Intensive units, if any	0.5
Total units required	10.5
Total # of specific courses required (e.g., 101 & 102; 218; one of 225, 226, or 227; 301-02; 362) . Please list below and indicate # of units for each.	5
MATH 126 - Calculus IIA: Integration Theory	0.5
MATH 127 - Calculus II A: Sequences and Series	0.5
MATH 220 - Multivariable Calculus	1
MATH 221 - Linear Algebra	1
Two of the following:	2
MATH 228 - Methods of Applied Mathematics	
MATH 240 - Introduction to Statistics	
MATH 261 - Introduction to Number Theory	
Distributional content area units required (e.g. 1 unit at the 200 level in each of the three subdivisions of the field). To the right, list units for any not already included above. Below, list the distributional statement.	2 or 3
Students choose one of three alternative pathways	
Pathway in Core Mathematics: MATH 321 - Real Analysis, MATH 361 - Modern Algebra	2
Pathway in Mathematics with an emphasis in Statistics: MATH 241 - Probability, MATH 242 - Applied Statistical Modeling, MATH 341 - Statistical Inference	3
Pathway in Mathematics with an emphasis on applications: MATH 315 - Advanced Topics in Applied Mathematics, MATH 321 - Real Analysis	2
ELECTIVES. To the right, indicate units not included above. Below, list any structured electives not included above (e.g., 2 electives at the 200 level and 2 elective seminars)	2 or 3
Two or three electives depending on the chosen pathway	
Mathematics track: one at 200- or 300-level and two at 300-level	3
Statistics: two at 300-level	2
Applied: one at 200- or 300-level and two at 300-level	3
INTENSIVE(S) required. Below, list any specific required intensive(s).	0.5
Intensive taken in the senior year	0.5
Other. Please explain below.	
Sum of 5 light grey boxes, should equal "Total units required" above	10.5

Mathematics and Statistics

The new major in Mathematics and Statistics comes into force for majors declaring 2019—2020 and after. For students who are presently declared Mathematics majors, the following changes will take effect:

1. For members of the class of 2020: The requirements of the catalogue of 2017 apply, unless you appeal to the department to adopt one of the new pathways toward completion of a major. The Core pathway corresponds best to the 2017 requirements. However, the requirement of a Senior Seminar (Math 301b) is replaced with completion of an Intensive Course (Math 301I or 302I) in the major. The intensive courses offered in 2019-2020 will be announced after Spring break, and each member of the class of 2020 will need to rank their choices for intensive courses in their senior year. Some of these courses will be offered in Fall 2019, the rest in Spring 2020. Because enrollment will be limited in each course, assignments will be made by the department before the end of the Spring semester.
2. Majors who declare in Fall 2019 or later will follow the new requirements. Majors in the classes of 2021 and 2022 who have already declared, but wish to complete a different pathway according to the new requirements should seek out their advisor and work out a plan for the completion of the rest of their pathway in the major.
3. In subsequent years, the same procedure for placement in the required intensive will take place each Spring to assure that rising seniors can fulfill the intensive course requirement. Students in the classes of 2021 and 2022 who follow the old requirements (plus an intensive) will graduate with a major in Mathematics following the pathway in Core mathematics.