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| **Mathematics and Statistics - MTH** |
| **Placement exams and other placement tools** | Mathematics and Statistics does not offer a placement exam. Guidelines will be given during Conversations. |
| **AP credit** | Placement: In general, a student who has a score of 4 or 5 on the AB Calculus Examination may enter MTH 112, 153 or 220. A student with a 4 or 5 on the BC examination may enter MTH 211, 212, 153, or 220, among others. Degree credits (subject to College guidelines): A student who receives credit for taking MTH 111 cannot apply AP Calculus credits toward her degree. A student with 8 AP Calculus credits (available to students with a 4 or 5 on the AP Exam for BC Calculus) may apply only 4 of them if she also receives credit for MTH 112.  |
| **Courses appropriate for entering first-year students** | Preparation | Courses (f=Fall,s=Spring)  |
| Less than 3 yrs HS math (Or some Adas) | * 101f: Math Skills Studio (permission only)
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| No prerequisites(3 years HS math) | * 102f: Elementary Functions
* 105: Discovering Mathematics

(not offered in 2021-22) |
| Precalculus or equiv.(4 years HS math) | * 111f,s: Calculus I
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| AP AB Calc or equivalentor IB math SL or A levels | * 112f,s: Calculus II
* 153f,s: Discrete Mathematics
* SDS 220f,s: Introduction to Probability and Statistics
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| AP BC calc or equivalentor IB math HL | * 211f,s: Linear Algebra
* 212f,s: Multivariable calculus
* Other courses, including 153f,s and SDS 220f,s
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| 4 or 5 on AP statistics or equivalent(see SDS for guidelines) | * SDS 291f,s: Multiple Regression
* SDS 290s: Research Design and Analysis
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| **Courses for non-majors** | MTH 101, 102, 105 are courses accessible to all. Students are also encouraged to take other courses.  |
| **Additional Information** | Department website <https://www.smith.edu/academics/mathematics-statistics>(in particular “Choosing your First Course”) |
| **Dept. Advising Liaison** | Christophe Golé cgole@smith.edu  |