Bachelor of Science in Mathematics, Option VII: Mathematics  
2018 - 2020 Catalog

Core Curriculum Requirements* (27 hrs)

- UGS 302 or 303 First-Year Signature Course
- RHE 306 Rhetoric & Composition
- E 316P/N/M/L/K Literature
- American History 1
- American History 2
- American Government
- Government 2
- Social & Behavioral Science
- Visual & Performing Arts

✔ Mathematics (fulfilled by M 408N/C)

✔ Science Sequence, 6 hrs (fulfilled by major requirement)

✔ Science, 3 additional hours (fulfilled by C S 303E)

Writing flag (from course not fulfilling core curriculum)

*Courses that fulfill above core curriculum requirements are designated in course schedule.

Course Flag Requirements

- Upper division writing flag (WR)
- Additional writing flag (WR) *1 WR flag must not overlap with core
- Independent Inquiry flag (II) (some math courses have this flag)
- Quantitative Reasoning flag (QR) (fulfilled by M 408N/C)
- Cultural Diversity flag (CD)
- Global Cultures flag (GC)
- Ethics & Leadership flag (EL)

Mathematics Requirements (44-46 hrs)

One of the following:

- M 408C & D, M 408N & S, or M 408K & L

Three of the following:

- M 408M or 427L
- M 427J
- M 341
- M 362K

One of the following:

- M 325K or M 328K

One of the following:

- M 343K, 361K, 365C, 367K, 373K
- additional hrs of mathematics, chosen from the list in the Catalog, to reach a minimum of 33 upper-division hrs (this minimum includes the upper-division hrs listed above)

- One upper-division math course identified as Inquiry Based Learning and/or which has an II flag (can overlap with course above)

- Mathematics in Context course, chosen from M 374M, CH 353, CH 354, CS 341, CS 342, CS 345, CS 346, CS 353, CS 367, EE 411, EE 325, EE 360C, EE 362K, PHY 329, PHY 336K, PHY 352K; other courses may be approved by the Mathematics Faculty Advisor (some courses may require additional prerequisites; will not count toward the minimum of 33 upper-division hrs of mathematics)

Additional Major Requirements (17 hrs)

- CS 303E Elements of Computers/Programming
- 8 hrs of majors-level science coursework in one area: AST, BIO, CH, GEO, and PHY
- At least 6 hrs of upper-division coursework outside mathematics, AST, BIO, CH, GEO, PHY, philosophy courses in logic, CS courses in discrete mathematics, engineering, and actuarial foundation courses

General Electives* (30-32 hrs)

- 120 hours total *Physical activity courses (PED or KIN) and non-majors science courses will not count toward the required 120 hours. Only 6 hours of pass/fail coursework will count toward the required 120 hours.

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Mathematics, Physics, & Astronomy Advising
RLM 4.101
mpaadv@austin.utexas.edu

For planning purposes only; please consult your academic advisor for degree requirements and progress