# Department of Mathematics

**Bachelor of Science General Option**

## Foundational Courses

(30-31 credits total)

- [ ] MATH 140 (4)
- [ ] MATH 141 (4)
- [ ] MATH 220 (2)
- [ ] MATH 230 (4)
- [ ] MATH 250 (3) or 251 (4)
- [ ] MATH 311W (3)
- [ ] MATH 312 (3)
- [ ] CMPSC 101 or 131 or 201 (3)
- [ ] STAT 200 (4)

## Option Requirements

(33 credits total)

- [ ] MATH 403 (3)
- [ ] MATH/STAT 414 (3)
- [ ] MATH/STAT 415 (3)

Choose 3 credits from the following:
- MATH 435 or MATH 436

Choose 3 credits from the following:
- MATH 411, 412, 417, 419 or 421

Choose 6 credits of 400-Level MATH except MATH 401, 405, 406, 441, 470 or 471.

Area of Application (12)

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## Supporting Courses

(17-18 credits total)

## General Education Requirements

(39 credits total)

**Writing/Speaking Skills** (GWS) (9 credits)
- [ ] ENGL 15 or 30 (3)
- [ ] ENGL 202 (3)
- [ ] CAS 100 (3)

**Arts** (GA) (6 credits)
- [ ]

**Humanities** (GH) (6 credits)
- [ ]

**Social and Behavior Sciences** (GS) (6 credits)
- [ ]

**Natural Science** (GN) (9 credits)
- [ ]

**Health and Wellness** (GHW) (3 credits)
- [ ]

- United States Cultures (US)
- International Cultures (IL)
- First Year Seminar

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**General Option**

The goal of this option is to allow students to construct, within limits, their own curricula in mathematics. The option requires at least one advanced course in each of the areas of analysis, algebra, and applied mathematics. The requirements include an approved sequence of courses in an area of application which relates to mathematics.

[https://math.psu.edu/undergraduate](https://math.psu.edu/undergraduate)

**Total Credits: 120**