## 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
(36 credits total)

- RM 302 (3)
- RM 410 (3)
- RM 411 (3)
- RM 412 (3)
- IE 425 (3)
- MATH/STAT 414 (3)
- MATH/STAT 415 (3)
- MATH/STAT 416 (3)
- MATH 451 or 486 (3)
- MATH 484 (3)
- STAT 462 (3)

### 400-Level MATH Courses
Choose 3 credits of either:
- 400-Level MATH (3) except MATH 401, 405, 406, 441, 470 or 471
- STAT 463 (3)

## Supporting Courses
(14-15 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

*Bold type indicates that courses require a grade of C or better.

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**The goal of this option is to train students to enter the actuarial science profession.** Actuaries are in great demand in the insurance industry and other related businesses. To become an actuary, it is necessary to pass one or more of the demanding examinations administered by the Society of Actuaries, a national organization. The courses required in this option are intended to prepare students for these examinations. The key mathematical areas are probability, statistics, risk management and operations research.

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https://math.psu.edu/undergraduate

Total Credits: 120