

2018 - 2019 Old Dominion University Catalog

Bachelor of Science in Mathematics with Teaching Licensure

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed. Consult with Advisor.

| YEAR 1 - FRESHMAN (34 CREDITS) | | | |
|--|---|---|---|
| FALL SEMESTER (17 credits) | | SPRING SEMESTER (17 credits) | |
| <u>General Education Coursework:</u> | | <u>General Education Coursework:</u> | |
| Human Behavior | 3 | Oral Communication | 3 |
| MATH 211 | 4 | MATH 212 | 4 |
| Information Literacy and Research: CS 121G preferred | 3 | Philosophy and Ethics: PHIL 120P recommended | 3 |
| ENGL 110C | 3 | ENGL 211C, 221C or 231C | 3 |
| Language and Culture I (May be waived, see catalog) | 3 | Language and Culture II (May be waived, see catalog) | 3 |
| <u>Professional Education Coursework:</u> | | <u>Professional Education Coursework:</u> | |
| STEM 101 | 1 | STEM 102 | 1 |
| YEAR 2 - SOPHOMORE (34 CREDITS) | | | |
| FALL SEMESTER (17 credits) | | SPRING SEMESTER (17 credits) | |
| <u>General Education Coursework:</u> | | <u>General Education Coursework:</u> | |
| Nature of Science* | 4 | Nature of Science* | 4 |
| Human Creativity | 3 | Interpreting the Past | 3 |
| MATH 307 | 3 | Literature | 3 |
| CS 150 | 4 | MATH 312 | 4 |
| <u>Professional Education Coursework:</u> | | <u>Professional Education Coursework:</u> | |
| STEM 201 | 3 | STEM 202 | 3 |
| YEAR 3 - JUNIOR (31 CREDITS) | | | |
| FALL SEMESTER (16 credits) | | SPRING SEMESTER (15 credits) | |
| <u>Major Coursework:</u> | | <u>General Education Coursework:</u> | |
| MATH 311W | 3 | Impact of Technology | 3 |
| MATH 317 | 3 | <u>Major Coursework:</u> | |
| MATH 375 | 3 | MATH 316 | 3 |
| MATH 400-level elective** | 3 | MATH 400 | 3 |
| STAT 330 or 331 | 3 | MATH 404 | 3 |
| Elective** | 1 | Professional Education Coursework: | |
| | | SCI 468 | 3 |
| YEAR 4 - SENIOR (27 CREDITS) | | | |
| FALL SEMESTER (15 credits) | | SPRING SEMESTER (12 credits) | |
| <u>Major Coursework:</u> | | <u>Professional Education Coursework:</u> | |
| MATH 406 | 3 | STEM 402 | 3 |
| MATH 417 or 422 | 3 | STEM 485 | 9 |
| STAT 310 or 431 | 3 | | |
| MATH 400-level elective** | 3 | | |
| <u>Professional Education Coursework:</u> | | | |
| STEM 401 | 3 | | |

*The Nature of Science requirement need not be in the same science. However, PHYS 231N-232N are recommended for the applied mathematics option; and BIOL 110N/111N, or BIOL 112N/113N, BIOL 117N/BIOL 118N, or BIOL 121N/122N-BIOL 123N/124N are recommended for the statistics/biostatistics major.

**Please refer to the catalog and consult with your advisor for elective options.

Language and Culture may be waived, see ODU catalog for exemptions.

The Professional Education courses satisfy the Upper Division requirement.

Please refer to the catalog to learn more about the Math Teaching Licensure requirements.

Requirements for graduation with a B.S. in Mathematics with Teaching Licensure include completion of ENGL 110C and ENGL 211C or ENGL 221C or ENGL 231C with a grade of C or better, completion of the Senior Assessment, a minimum cumulative 2.75 GPA, in the major area, and in the professional education core, successful completion of the mathematics core, no grade less than C- in the remaining courses in the major and the professional education core, successful completion of the Apprentice Teaching, and a minimum of 120 credit hours to include a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University. Successful completion of the core requires a grade of C+ or higher in MATH 211 and MATH 212, and a cumulative GPA of 2.3 or higher is required in all 300 and 400 level mathematics core courses with no grade lower than a C.