

Northern Kentucky University

MAJOR: **Mathematics**

TRACK: **Statistics**

| FIRST YEAR | Fall Semester | | Spring Semester | |
|--|--|---|--|---|
| | MAT 129 Calculus I ¹ | 4 | MAT 229 Calculus II | 5 |
| MAT 129 Mathematical Sciences Seminar | 1 | STA 250 Probability & Statistics I | 3 | |
| Gen Ed: Communication (Written I) | 3 | Gen Ed: Communication (Oral) | 3 | |
| Gen Ed: Culture & Creativity | 3 | Elective/minor | 3 | |
| Elective/minor | 3 | | | |
| TOTAL | 14 | TOTAL | 14 | |
| SECOND YEAR | Fall Semester | | Spring Semester | |
| | STA 314 Design & Analysis of Experiments | 3 | STA 341: Statistics II | 3 |
| MAT/STA major elective | 3 | MAT/STA major elective (300-level or above) | 3 | |
| Gen Ed: Communication (Written II) | 3 | Gen Ed: Individual & Society | 3 | |
| Gen Ed: Scientific & Quantitative Inquiry (Natural Sciences without lab) | 3 | Gen Ed: Scientific & Quantitative Inquiry (Natural Sciences with lab) | 4 | |
| Elective/minor | 4 | Elective/minor | 3 | |
| TOTAL | 16 | TOTAL | 16 | |
| THIRD YEAR | Fall Semester | | Spring Semester | |
| | STA 360 Statistical Computing | 3 | STA major elective (300-level or higher) | 3 |
| MAT/STA major elective (300-level or higher) | 3 | STA major elective (300-level or higher) | 3 | |
| Gen Ed: Individual & Society | 3 | Gen Ed: Culture & Creativity | 3 | |
| Gen Ed: Cultural Pluralism | 3 | Elective/minor (300-level or higher) | 3 | |
| Elective/minor | 3 | Elective/minor (300-level or higher) | 3 | |
| TOTAL | 15 | TOTAL | 15 | |
| FOURTH YEAR | Fall Semester | | Spring Semester | |
| | STA major elective (300-level or higher) | 3 | MAT/STA major elective (300-level or higher) | 3 |
| Gen Ed: Global Viewpoints | 3 | STA 489 Comprehensive Examination | 0 | |
| Elective/minor | 3 | Elective/minor | 3 | |
| Elective/minor (300-level or higher) | 3 | Elective/minor (300-level or higher) | 3 | |
| Elective/minor | 3 | Elective/minor | 3 | |

| | | | | |
|-------------------------------|-----------------------|-----------|---|------------|
| | (300-level or higher) | | (300-level or higher) | |
| | | | Elective/minor (300-level or higher) | 0 |
| | TOTAL | 15 | TOTAL | 15 |
| GRAND TOTAL OF CREDITS | | | | 120 |

Note: This plan is ONE way in which you can complete your degree program in 4 years; it is not the only way. It assumes that you have a mathematical background sufficient to begin with calculus as evidenced by a math ACT score of at least 27 or a math SAT score of at least 650. It also assumes that you are not a transfer student, and you are beginning in the fall.

¹MAT 129 satisfies the Scientific & Quantitative Literacy Mathematics & Statistics general education requirement.