# Bachelor of Science (B.S.) Degree with Major in Mathematics

## Sample Four-Year Plan Starting in Odd Year

**First Year Fall (Odd Year)**

| | | |
|---|---|---|
| BBL | 1013 | Old Testament Survey |
| COR | 1002 | Gateway Seminar |
| EGL | 1013 | English I: Composition |
| MTH | 1134 | Calculus I |
| | ___3 | Elective |

Total Hours 15

**First Year Spring (Even Year)**

| | | |
|---|---|---|
| BBL | 1023 | New Testament Survey |
| EGL | 1023 | English II: Literary Analysis/Research |
| MTH | 1144 | Calculus II |
| | ___2 | Whole Person Wellness Elective |
| | ___3 | Elective |

Total Hours 15

**Second Year Fall (Even Year)**

| | | |
|---|---|---|
| CS | 1113 | Introduction to Computing |
| HST | 2013 | Integrated Humanities I |
| MTH | 2114 | Linear Algebra & Differential Eq. |
| MTH | 3103 | Foundations of Mathematics |
| | ___3 | Social/Behavioral Sci. (SBS) Elective |

Total Hours 16

**Second Year Spring (Odd Year)**

| | | |
|---|---|---|
| HST | 2023 | Integrated Humanities II |
| MTH | 2123 | Vector Calculus |
| MTH | ___3 | Mathematics Elective |
| | ___3 | Elective |
| | ___3 | Elective |

Total Hours 15

**Third Year Fall (Odd Year)**

| | | |
|---|---|---|
| MTH | 2111 | Problem-Solving Seminar |
| MTH | 4143 | Real Analysis |
| PHY | 2114 | General Physics I |
| | ___3 | Arts & Humanities (AH) Elective |
| | ___3 | Elective |

Total Hours 14

**Third Year Spring (Even Year)**

| | | |
|---|---|---|
| BBL | 2013 | Essentials of Evangelical Theology |
| MTH | 3183 | Probability & Statistics (or MTH 3173) |
| MTH | 4123 | Abstract Algebra |
| PHY | 2124 | General Physics II |
| | ___3 | Elective |

Total Hours 16

**Fourth Year Fall (Even Year)**

| | | |
|---|---|---|
| BBL | 2022 | Essentials of Christian Formation |
| MTH | ___3 | Mathematics Elective |
| | ___3 | SBS or AH Elective (see above) |
| | ___4 | Elective |
| | ___3 | Elective |

Total Hours 15

**Fourth Year Spring (Odd Year)**

| | | |
|---|---|---|
| GSC | 4133 | Faith and Science |
| MTH | 4501 | Mathematics Capstone |
| | ___3 | Intercultural Engagement Elective |
| | ___4 | Elective |
| | ___3 | Elective |

Total Hours 14

***Total Hours for Four Years: 120***

## Mathematics Electives

| | | | |
|---|---|---|---|
| MTH 3101 | Mathematics Teaching Practicum (Upon request) | MTH 3173 | Math. Modeling & Simulation (Upon request) |
| MTH 3113 | Selected Topics (Upon request) | MTH 4113 | Selected Topics (Upon request) |
| MTH 3143 | Topics in Mathematics Education (Fall, even yrs.) | MTH 4220-3 | Mathematics Research (Every) |
| MTH 3153 | Foundations of Geometry (Spring, ODD) | MTH 4310 | Mathematics Internship (Every) |

# Bachelor of Science (B.S.) Degree with Major in Mathematics

## Sample Four-Year Plan Starting in Even Year

**First Year Fall (Even Year)**

| | | |
|---|---|---|
| BBL | 1013 | Old Testament Survey |
| COR | 1002 | Gateway Seminar |
| EGL | 1013 | English I: Composition |
| MTH | 1134 | Calculus I |
| | ___3 | Elective |
| | Total Hours 15 | |

**First Year Spring (Odd Year)**

| | | |
|---|---|---|
| BBL | 1023 | New Testament Survey |
| EGL | 1023 | English II: Literary Analysis/Research |
| MTH | 1144 | Calculus II |
| | ___2 | Whole Person Wellness Elective |
| | ___3 | Elective |
| | Total Hours 15 | |

**Second Year Fall (Odd Year)**

| | | |
|---|---|---|
| HST | 2013 | Integrated Humanities I |
| MTH | 2114 | Linear Algebra & Differential Eq. |
| MTH | 3103 | Foundations of Mathematics |
| | ___3 | Social/Behavioral Sci. (SBS) Elective |
| | ___3 | Elective |
| | Total Hours 16 | |

**Second Year Spring (Even Year)**

| | | |
|---|---|---|
| HST | 2023 | Integrated Humanities II |
| MTH | 2123 | Vector Calculus |
| MTH | 4123 | Abstract Algebra |
| | ___3 | Elective |
| | ___3 | Elective |
| | Total Hours 15 | |

**Third Year Fall (Even Year)**

| | | |
|---|---|---|
| CS | 1113 | Introduction to Computing |
| MTH | 2111 | Problem-Solving Seminar |
| PHY | 2114 | General Physics I |
| | ___3 | Arts & Humanities (AH) Elective |
| | ___3 | Elective |
| | Total Hours 14 | |

**Third Year Spring (Odd Year)**

| | | |
|---|---|---|
| BBL | 2013 | Essentials of Evangelical Theology |
| MTH | 3183 | Probability & Statistics (or MTH 3173) |
| PHY | 2124 | General Physics II |
| MTH | ___3 | Mathematics Elective |
| | ___3 | Elective |
| | Total Hours 16 | |

**Fourth Year Fall (Odd Year)**

| | | |
|---|---|---|
| BBL | 2022 | Essentials of Christian Formation |
| MTH | 4143 | Real Analysis |
| MTH | ___3 | Mathematics Elective |
| | ___3 | SBS or AH Elective (see above) |
| | ___3 | Elective |
| | Total Hours 14 | |

**Fourth Year Spring (Even Year)**

| | | |
|---|---|---|
| GSC | 4133 | Faith and Science |
| MTH | 4501 | Mathematics Capstone |
| | ___3 | Intercultural Engagement Elective |
| | ___3 | Elective |
| | ___3 | Elective |
| | ___2 | Elective |
| | Total Hours 15 | |

***Total Hours for Four Years: 120***

### Mathematics Electives

| | |
|---|---|
| MTH 3101  Mathematics Teaching Practicum (Upon request) | MTH 3173  Math. Modeling & Simulation (Upon request) |
| MTH 3113  Selected Topics (Upon request) | MTH 4113  Selected Topics (Upon request) |
| MTH 3143  Topics in Mathematics Education (Fall, even yrs.) | MTH 4220-3 Mathematics Research (Every) |
| MTH 3153  Foundations of Geometry (Spring, ODD) | MTH 4310    Mathematics Internship (Every) |

# Bachelor of Science in Mathematics (B.S.)
# with an Emphasis in Actuarial Science

## Sample Four-Year Plan Starting in Odd Year

**First Year Fall (Odd Year)**

| | | |
|---|---|---|
| BBL | 1013 | Old Testament Survey |
| COR | 1002 | Gateway Seminar |
| ECN | 2113 | Principles of Micro (SocialBehav Elective) |
| EGL | 1013 | English I: Composition |
| MTH | 1134 | Calculus I |

Total Hours 15

**First Year Spring (Even Year)**

| | | |
|---|---|---|
| BBL | 1023 | New Testament Survey |
| ECN | 2123 | Principles of Macroeconomics |
| EGL | 1023 | English II: Literary Analysis/Research |
| MTH | 1144 | Calculus II |
| | 2 | Whole Person Wellness Elective |

Total Hours 15

**Second Year Fall (Even Year)**

| | | |
|---|---|---|
| ATG | 2173 | Principles of Financial Accounting |
| CS | 1113 | Introduction to Computing |
| HST | 2013 | Integrated Humanities I |
| MTH | 2114 | Linear Algebra & Differential Eq. |
| MTH | 3103 | Foundations of Mathematics |

Total Hours 16

**Second Year Spring (Odd Year)**

| | | |
|---|---|---|
| BUS | 2193 | Business Statistics |
| HST | 2023 | Integrated Humanities II |
| MTH | 2123 | Vector Calculus |
| MTH | 3 | Mathematics Elective |
| | 3 | Elective |

Total Hours 15

**Third Year Fall (Odd Year)**

| | | |
|---|---|---|
| BUS | 3113 | Spreadsheet Analytics |
| FIN | 3003 | Principles of Finance |
| MTH | 2111 | Problem-Solving Seminar |
| MTH | 4143 | Real Analysis |
| PHY | 2114 | General Physics I (NtScience Elective) |

Total Hours 14

**Third Year Spring (Even Year)**

| | | |
|---|---|---|
| BBL | 2013 | Essentials of Evangelical Theology |
| ECN | 3133 | Money and Banking |
| MTH | 3183 | Probability & Statistics (or MTH 3173) |
| MTH | 4123 | Abstract Algebra |
| PHY | 2124 | General Physics II |

Total Hours 16

**Fourth Year Fall (Even Year)**

| | | |
|---|---|---|
| BBL | 2022 | Essentials of Christian Formation |
| FIN | 3063 | Investments |
| MTH | 3 | Mathematics Elective |
| | 3 | Arts & Humanities (AH) Elective |
| | 3 | Elective |

Total Hours 14

**Fourth Year Spring (Odd Year) –** Major Field Exam

| | | |
|---|---|---|
| FIN | 4283 | Intermediate Corporate Finance |
| GSC | 4133 | Faith and Science |
| MTH | 4501 | Mathematics Capstone |
| | 3 | Intercultural Engagement Elective |
| | 3 | SB or AH elective |
| | 2 | Elective |

Total Hours 15

***Total Hours for Four Years: 120***

## Mathematics Electives

| | | | | |
|---|---|---|---|---|
| MTH 3101 | Mathematics Teaching Practicum (Upon request) | | MTH 3173 | Math. Modeling & Simulation (Upon request) |
| MTH 3113 | Selected Topics (Upon request) | | MTH 4113 | Selected Topics (Upon request) |
| MTH 3143 | Topics in Mathematics Education (Fall, even yrs.) | | MTH 4220-3 | Mathematics Research (Every) |
| MTH 3153 | Foundations of Geometry (Spring, ODD) | | MTH 4310 | Mathematics Internship (Every) |

# Bachelor of Science in Mathematics (B.S.)
# with an Emphasis in Actuarial Science

## Sample Four-Year Plan Starting in Even Year

### First Year Fall (Even Year)
| | | |
|---|---|---|
| BBL | 1013 | Old Testament Survey |
| COR | 1002 | Gateway Seminar |
| ECN | 2113 | Principles of Micro (SocialBehavior Elect) |
| EGL | 1013 | English I: Composition |
| MTH | 1134 | Calculus I |
| | | Total Hours 15 |

### First Year Spring (Odd Year)
| | | |
|---|---|---|
| BBL | 1023 | New Testament Survey |
| ECN | 2123 | Principles of Macroeconomics |
| EGL | 1023 | English II: Literary Analysis/Research |
| MTH | 1144 | Calculus II |
| | ___2 | Whole Person Wellness Elective |
| | | Total Hours 15 |

### Second Year Fall (Odd Year)
| | | |
|---|---|---|
| ATG | 2173 | Principles of Financial Accounting |
| HST | 2013 | Integrated Humanities I |
| MTH | 2114 | Linear Algebra & Differential Eq. |
| MTH | 3103 | Foundations of Mathematics |
| | ___3 | Elective |
| | | Total Hours 16 |

### Second Year Spring (Even Year)
| | | |
|---|---|---|
| BUS | 2193 | Business Statistics |
| HST | 2023 | Integrated Humanities II |
| MTH | 2123 | Vector Calculus |
| MTH | 4123 | Abstract Algebra |
| | ___3 | Intercultural Engagement Elective |
| | | Total Hours 15 |

### Third Year Fall (Even Year)
| | | |
|---|---|---|
| BUS | 3113 | Spreadsheet Analytics |
| CS | 1113 | Introduction to Computing |
| FIN | 3003 | Principles of Finance |
| MTH | 2111 | Problem-Solving Seminar |
| PHY | 2114 | General Physics I (NtScience Elective) |
| | ___2 | Elective |
| | | Total Hours 16 |

### Third Year Spring (Odd Year)
| | | |
|---|---|---|
| BBL | 2013 | Essentials of Evangelical Theology |
| ECN | 3133 | Money and Banking |
| MTH | 3183 | Probability & Statistics (or MTH 3173) |
| MTH | ___3 | Mathematics Elective |
| PHY | 2124 | General Physics II |
| | | Total Hours 16 |

### Fourth Year Fall (Odd Year)
| | | |
|---|---|---|
| BBL | 2022 | Essentials of Christian Formation |
| FIN | 3063 | Investments |
| MTH | 4143 | Real Analysis |
| MTH | ___3 | Mathematics Elective |
| | ___3 | Arts & Humanities (AH) Elective |
| | | Total Hours 14 |

### Fourth Year Spring (Even Year) – Major Field Exam
| | | |
|---|---|---|
| FIN | 4283 | Intermediate Corporate Finance |
| GSC | 4133 | Faith and Science |
| MTH | 4501 | Mathematics Capstone |
| | ___3 | SB or AH Elective |
| | ___3 | Elective |
| | | Total Hours 13 |

***Total Hours for Four Years: 120***

### Mathematics Electives
| | | | |
|---|---|---|---|
| MTH 3101 | Mathematics Teaching Practicum (Upon request) | MTH 3173 | Math. Modeling & Simulation (Upon request) |
| MTH 3113 | Selected Topics (Upon request) | MTH 4113 | Selected Topics (Upon request) |
| MTH 3143 | Topics in Mathematics Education (Fall, even yrs.) | MTH 4220-3 | Mathematics Research (Every) |
| MTH 3153 | Foundations of Geometry (Spring, ODD) | MTH 4310 | Mathematics Internship (Every) |