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| Requirements • 132 credits for degree • Maximum credit load of 18 per semester unless noted in professional semester. | Notes • Shaded courses must be taken concurrently as a block of classes • When two courses are on the same line, take the course offered that year. • Courses in red are offered both semesters and may be switched. |
| Successful completion of this major and licensure requirements provides students eligibility for: • WELS Assignment: General Science – Grades 5-8, Chemistry – Grades 9-12 • Minnesota Licensure: General Science – Grades 5-8, Chemistry – Grades 9-12 | |

Semester I

Semester II

FRESHMAN YEAR

| | | | | | |
|----------------------|---------------------------------|-----------|----------------------|----------------------------------|-----------|
| ENG1303 | Rhetoric & Composition | 3 | ENG130x | Literature Seminar Option | 3 |
| MTH2010 | Calculus I | 3 | MTH1011 | Mathematics: A Human Endeavor | 3 |
| SCI1003 & SCI1004 | Biology | 3 | PEDxxxx | 2 Phy Ed Activity Courses | 1 |
| SSC3210 | World Regional Geography | 3 | SCI2025 / SCI2105 | Gen Chemistry I / Geology & Lab | 3 |
| THE1001 | Biblical History & Literature I | 3 | THE1002 | Biblical History & Literature II | 3 |
| | | | xxxx | Fine Arts Elective | 3 |
| Total Credits | | 15 | Total Credits | | 16 |

Winterim / Field Experience Interim

| | | | |
|---------|--------------------------|----------------------|-----------|
| EDU1401 | Early Field Experience I | Total Credits | .5 |
|---------|--------------------------|----------------------|-----------|

SOPHOMORE YEAR

| | | | | | |
|----------------------|---------------------------------------|--------------|----------------------|-----------------------------------|--------------|
| MTHxxxx | Mathematics Elective (See menu below) | 3 | EDT3002 | Teaching with Technology | 3 |
| SCI1102 | Physical Science | 3 | HIS2113 | Modern West | 3 |
| SCI3025 / SCI4025 | Gen Chem II / Chem of Life | 3 | PED1301 | Fitness for Life | 1 |
| SCIxxxx | Science Elective (See menu below) | 3 | SCI2025 / SCI2105 | Gen Chemistry I / Geology & Lab | 3 |
| THE2001 | Biblical History & Literature III | 3 | THE3001 | Christian Doctrine I | 3 |
| SCI2015 | Botany - Science Minor Elective* | 3 | SCI3003 | Zoology - Science Minor Elective* | 3 |
| Total Credits | | 15/18 | Total Credits | | 13/16 |

Winterim / Field Experience Interim

| | | | |
|---------|---------------------------|----------------------|-----------|
| EDU2401 | Early Field Experience II | Total Credits | .5 |
|---------|---------------------------|----------------------|-----------|

JUNIOR YEAR

| | | | | | |
|----------------------|-----------------------------------|-----------|----------------------|-----------------------------------|-----------|
| EDU3348 | Tching Science in Mid & Sec Schls | 4 | EDU4302 | Reading in the Content Areas | 3 |
| EDU3424 | Science Clinical | 1 | ENG3310 | Interpersonal Communication | 3 |
| EDU3241 | Teaching Science Concepts | 3 | SCI2001 & SCI2002 | Advanced Biology & Lab | 3 |
| PSY3020 | Psychology of Learning | 3 | SCIxxxx | Science Elective (See menu below) | 3 |
| SCI3025 / SCI4025 | Gen Chem II / Chem of Life | 3 | THE3002 | Christian Doctrine II | 3 |
| SPE2101 | Educating the Exceptional Learner | 3 | | | |
| Total Credits | | 17 | Total Credits | | 15 |

Winterim / Field Experience Interim

| | | |
|----------------------|-----------------------------|----------|
| EDU3401 | Early Field Experience III | .5 |
| EDU3405 | Individual Field Experience | .5 |
| Total Credits | | 1 |

SENIOR YEAR

| | | | | | |
|----------------------|--------------------------------|-----------|----------------------|-----------------------------------------|-----------|
| EDU4353 | Student Tchg in Sec Schools I | 10 | EDU4210 | C & I in Elem & Middle Schools | 3 |
| EDU4355 (EDU4352) | Student Tchg in Sec Schools II | 6 | HIS3010 | US History Since 1945 | 3 |
| PSY3031 | Adolescent Psychology | 3 | MUS4201 | Lutheran Worship | 2 |
| | | | THE4001 | Lutheran Confessional Writings | 3 |
| | | | SCI4105 | Science in Our Society | 3 |
| | | | xxxx | Intercultural Elective (See menu below) | 3 |
| Total Credits | | 19 | Total Credits | | 17 |

132 Credits

Intercultural Elective Menu (Choose one)

| | | | |
|---------|------------------------------------------------|---------|---------------------------------------|
| EDU2201 | Introduction to Urban Education Ministry | HIS3026 | Immigration & Ethnicity in US History |
| EDU3352 | Teaching World Languages & Culture (4 credits) | MUS3213 | Music in World Cultures |
| ENG3010 | American Minority Writers | SSC4201 | Introduction to Minority Cultures |

Mathematics Elective Menu

| | | | | | | | |
|---------|------------------|---------|-------------|---------|-----------------------|---------|------------------|
| MTH2003 | Elements of Math | MTH2011 | Calculus II | MTH2020 | Elementary Statistics | MTH2023 | College Geometry |
|---------|------------------|---------|-------------|---------|-----------------------|---------|------------------|

Science Electives Menu

| | | | | | |
|---------|----------------------------------|---------|-------------------------|---------|------------------------------------------------|
| SCI2020 | Marine Ecology | SCI2103 | Astronomy | SCI3015 | Fundamentals of Ecology |
| SCI2101 | Physics: Mechanics | SCI3102 | Physics: Light & Optics | SCI4102 | Physics: Thermodynamics & Properties of Matter |
| SCI2102 | Physics: Electricity & Magnetism | SCI3103 | Meteorology | | |

*Science Minor Elective Menu: (Choose one)

| | | | | | |
|---------|-----------------------------|---------|-------------------------------|---------|-----------------------------------|
| SCI2015 | Botany – offered semester I | SCI3003 | Zoology – offered semester II | SCI2020 | Marine Ecology – offered winterim |
|---------|-----------------------------|---------|-------------------------------|---------|-----------------------------------|