

Secondary Education, BS - Mathematics

Degree Requirements

| Code | Title | Semester Hours |
|---|---|----------------|
| Area I: Freshman Composition | | 3-6 |
| EH 101 or EH 101S | COLLEGE WRITING I COLLEGE WRITING I W/STUDIO | |
| EH 102 | COLLEGE WRITING II | |
| EH 103 | ACCELERATED COLLEGE WRITING | |
| EH 105 | HONORS ENGLISH SEMINAR | |
| Area II: Humanities and Fine Arts | | |
| Fine Arts | | 3 |
| ARH 100 | ARH SUR: ANCIENT-MEDIEVAL | |
| ARH 101 | ARH SUR: RENAISSANCE-MODERN | |
| ARH 103 | ARH SUR: WORLD ART | |
| AMS 229 | ANCIENT & MEDIEVAL WORLDS | |
| ARS 160 | DRAWING: FOUNDATIONS | |
| TH 122 | THEATRE APPRECIATION | |
| TH 123 | INTRO TO FILM STUDIES | |
| MU 100 | INTRO TO MUSIC LITERATURE | |
| Literature | | 3-6 |
| EH 207 | READINGS LITERATURE/CULTURE I | |
| EH 208 | READINGS LITERATURE/CULTURE 2 | |
| EH 209 | HONORS SEM READINGS LIT/CUL I | |
| EH 210 | HONORS SEM READINGS LIT/CUL 2 | |
| EH 242 | MYTHOLOGY | |
| Humanities and Fine Arts | | 6 |
| CM 113 | Intro to Rhetorical Communication ¹ | |
| WLC 101S or WLC 101A or WLC 101F or WLC 101G or WLC 101J or WLC 101R | INTRO FOREIGN LANG I: SPANISH INTRO FOREIGN LANG I: ARABIC INTRO FOREIGN LANG I:FRENCH INTRO FOREIGN LANG I:GERMAN INTRO FOREIGN LANG I:JAPANESE INTRO FOREIGN LANG I:RUSSIAN | |
| WLC 102S or WLC 102A or WLC 102F or WLC 102G or WLC 102J or WLC 102R | INTRO FOREIGN LANG II:SPANISH INTRO FOREIGN LANG II: ARABIC INTRO FOREIGN LANG II:FRENCH INTRO FOREIGN LANG II:GERMAN INTRO FOREIGN LANG II:JAPANESE INTRO FOREIGN LANG II:RUSSIAN | |
| WLC 201S or WLC 201A or WLC 201F or WLC 201G or WLC 201J or WLC 201R | INTERM FOREIGN LANG:SPANISH INTERM FOREIGN LANG I: ARABIC INTERM FOREIGN LANG:FRENCH INTERM FOREIGN LANG:GERMAN INTERM FOREIGN LANG: JAPANESE INTERM FOREIGN LANG:RUSSIAN | |
| WLC 202S or WLC 202A or WLC 202F or WLC 202G | INTERM FOREIGN LANG II:SPANISH INTERM FOREIGN LANG II: ARABIC INTERM FOREIGN LANG II:FRENCH INTERM FOREIGN LANG II:GERMAN | |

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|-------------|--------------------------------|
| or WLC 202J | INTERM FORGN LANG II:JAPANESE |
| or WLC 202R | INTERM FOREIGN LANG II:RUSSIAN |
| WLC 204 | INTERNATIONAL CINEMA |
| PHL 101 | INTRODUCTION TO PHILOSOPHY |
| PHL 102 | INTRO TO ETHICS |
| PHL 103 | INTRODUCTION TO LOGIC |
| PHL 150 | TECH, SCIENCE & HUMAN VALUES |
| WGS 200 | INTRO WOMENS/GENDER/SEXLTU STU |
| ARH 100 | ARH SUR: ANCIENT-MEDIEVAL |
| ARH 101 | ARH SUR: RENAISSANCE-MODERN |
| ARH 103 | ARH SUR: WORLD ART |
| ARS 160 | DRAWING: FOUNDATIONS |
| TH 122 | THEATRE APPRECIATION |
| TH 123 | INTRO TO FILM STUDIES |
| MU 100 | INTRO TO MUSIC LITERATURE |

Area III: Mathematics and Sciences

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|------------------------|---|---|
| Mathematics | | 4 |
| MA 171 | CALCULUS A (or Higher) | |
| Natural Sciences (Lab) | | 8 |
| BYS 109 | FUNDAMENTALS OF BIOLOGY | |
| BYS 119 | PRINCIPLES OF BIOLOGY ¹ | |
| BYS 120 | ORGANISMAL BIOLOGY | |
| AST 100 | SURVEY OF ASTRONOMY | |
| AST 106 | EXPLORING THE COSMOS I | |
| AST 107 | EXPLORING THE COSMOS II | |
| CH 101 & CH 105 | INTRO TO CHEMISTRY and INTRO CHEMISTRY LAB | |
| CH 121 & CH 105 | GENERAL CHEMISTRY I and INTRO CHEMISTRY LAB | |
| CH 123 & CH 125 | GENERAL CHEMISTRY II and GENERAL CHEMISTRY LAB I | |
| CH 151 & CH 105 | GENERAL, ORGANIC, BIOCHEMISTRY and INTRO CHEMISTRY LAB | |
| AES 103 | ENVIRONMENTAL EARTH SCIENCE | |
| AES 103L | LABORATORY | |
| PH 100 | CONCEPTUAL PHYSICS | |
| PH 101 | GENERAL PHYSICS I | |
| PH 102 | GENERAL PHYSICS II | |
| PH 111 & PH 114 | GEN PHYSICS W/CALCULUS I and GENERAL PHYSICS LAB I | |
| PH 112 & PH 115 | GEN PHYSICS W/CALC II and GENERAL PHYSICS LAB II | |
| PH 113 & PH 116 | GEN PHYSICS W/CALC III and GENERAL PHYSICS LAB III | |

Area IV: History and Social Behavioral Sciences

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| History | | 3-6 |
| HY 103 | WORLD HISTORY TO 1500 | |
| HY 104 | WORLD HISTORY SINCE 1500 | |
| HY 221 | UNITED STATES TO 1877 | |
| HY 222 | UNITED STATES SINCE 1877 | |
| Social and Behavioral Sciences | | 6-9 |
| PY 101 | GENERAL PSYCHOLOGY I ¹ | |
| PY 201 | LIFE-SPAN DEVELOPMENT ¹ | |

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| ECN 142 | PRINC OF MACROECONOMICS |
| ECN 143 | PRINC OF MICROECONOMICS |
| GS 200 | GLOBAL SYSTEMS AND CULTURES |
| AES 105 | WORLD REGIONAL GEOGRAPHY |
| AES 110 | PRINCIPLES OF HUMAN GEOGRAPHY |
| PSC 101 | INTRO TO AMERICAN GOVERNMENT |
| PSC 102 | INTRO TO COMPARATIVE POLITICS |
| PSC 260 | INTRODUCTION TO INTERNATIONAL RELATIONS |
| SOC 100 | INTRO TO SOCIOLOGY |
| SOC 102 | ANALYSIS OF SOCIAL PROBLEMS |
| SOC 103 | INTRO TO CRIMINOLOGY |

¹ Required course

| Code | Title | Semester Hours |
|---------------------------------|--------------------------------|----------------|
| Pre Professional Studies | | |
| CS 102 | INTRO TO C PROGRAMMING | 3 |
| Professional Studies | | |
| ED 301 | INTRO TO EDUCATION PRACTICUM | 0 |
| ED 307 | MULTICULTURAL FND EDUCATION | 3 |
| ED 308 | EDUCATIONAL PSYCHOLOGY | 3 |
| ED 309 | CLASSROOM & BEHAVIOR MGMT | 3 |
| ED 350 | TECHNOLOGY IN CLASSROOM | 3 |
| EDC 301 | TCHG THE EXCEPTIONAL CHILD | 3 |
| EDC 311 | INSTR STRATEGIES INCLUSIVE CLR | 3 |
| ED 408 | TCHG READING/CONTENT AREA | 3 |
| ED 410 | FOUNDATIONS EDUC EVALUAT | 3 |
| ED 422 | MIDDLE & SECD SCH MATH METHODS | 2 |
| ED 432 | TCH REASON/PROOF SEC MATH | 2 |
| Internship | | |
| ED 497 | HIGH SCHOOL INTERNSHIP | 12 |
| Teaching Field | | |
| MA 172 | CALCULUS B | 4 |
| MA 201 | CALCULUS C | 4 |
| MA 238 | APPL DIFFERENTIAL EQUATIONS | 3 |
| MA 244 | INTRO TO LINEAR ALGEBRA | 3 |
| MA 330 | FOUNDATIONS OF MATH | 3 |
| MA 385 | INTRO TO PROBABILITY & STATIST | 3 |
| MA 433 | INTRODUCTION TO GEOMETRY | 3 |
| MA 442 | ALGEBRAIC STRUCTURES W/APPLIC | 3 |
| MA 452 | INTRO TO REAL ANALYSIS | 3 |
| MA/ST 487 | INTRO TO MATH STATISTICS | 3 |
| Math Electives 300+ | | 6 |
| Total Semester Hours | | 123-126 |

* Take either 1 EH (Area II) + 2 HY (Area IV) <OR> 2 EH (Area II) + 1 HY (Area IV). Take no more than six hours in a single discipline in Area II or Area IV.