ONE COURSE from Non-Western History

ONE ADDITIONAL 300-level history course

Certification Courses

To be certified to teach history in Rhode Island secondary schools, students must also complete six of the certification courses listed below. Upon completion, students may be eligible for Rhode Island endorsement to teach economics, geography, political science, and social studies. Students may also be eligible for endorsement to teach anthropology and/or sociology, if they take two of the designated anthropology courses (see below) and/or two of the designated sociology courses (see below). Only one course in these disciplines is required if endorsement in these disciplines is not sought.

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ECON 200 | Introduction to Economics | 4 | F, Sp, Su |
| GEOG 200 | World Regional Geography | 4 | F, Sp |
| POL 202 | American Government | 4 | F, Sp, Su |

ONE COURSE from:

|  |  |  |  |
| --- | --- | --- | --- |
| ANTH 101 | Introduction to Cultural Anthropology | 4 | F, Sp |
| ANTH 205 | Race, Culture, and Ethnicity: Anthropological Perspectives | 4 | Odd years |
| SOC 200 | Society and Social Behavior | 4 | F, Sp |
| SOC 202 | The Family | 4 | F, Sp, Su |
| SOC 208 | The Sociology of Race and Ethnicity | 4 | F, Sp, Su |

ONE COURSE from:

|  |  |  |  |
| --- | --- | --- | --- |
| GEOG 101 | Introduction to Geography | 4 | F, Sp, Su |
| GEOG 303 | Historical Geography of the United States | 4 | As needed |
| GEOG 307 | Coastal Geography | 4 | As needed |
| GEOG 337 | Urban Political Geography | 3 | As needed |

ONE COURSE from:

|  |  |  |  |
| --- | --- | --- | --- |
| POL 208 | Introduction to the Law | 3 | F, Sp |
| POL 337 | Urban Political Geography | 3 | As needed |
| POL 357 | The American Presidency | 4 | As needed |
| POL 358 | The American Congress | 4 | Every third semester |

Note: To enroll in SED 411 and SED 412, students must have completed at least 24 credit hours of courses in social science/history, including ECON 200, GEOG 200, HIST 201 and HIST 202, and POL 202. Students must have completed HIST 200 and one 300-level course in Non-Western History, Western History, and U.S. History. (General Education courses may be counted to meet this requirement.)

Total Credit Hours: 56-58

Mathematics Major

Students electing a major in Mathematics apply to the Feinstein School of Education and Human Development and meet admission requirements that include a 2.75 in their content grade point average (GPA). Students must maintain the content GPA of 2.75 for retention and, along with satisfactorily completing required courses in secondary education (minimum grade B-), complete the following courses to obtain Mathematics certification:

Requirements

Computer Science

|  |  |  |  |
| --- | --- | --- | --- |
| CSCI 157 | Introduction to Algorithmic Thinking in Python | 4 | F, Sp |

Mathematics

|  |  |  |  |
| --- | --- | --- | --- |
| MATH 212 | Calculus I | 4 | F, Sp, Su |
| MATH 213 | Calculus II | 4 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| MATH 300 | Bridge to Advanced Mathematics | 4 | Sp |
| MATH 314 | Calculus III | 4 | F, Sp |
| MATH 315 | Linear Algebra | 4 | F |
| MATH 324 | College Geometry | 4 | F, Sp |
| MATH 431 | Number Theory | 3 | F, Sp |
| MATH 432 | Introduction to Abstract Algebra | 4 | Sp |
| MATH 441 | Introduction to Probability | 4 | F |
| MATH 458 | History of Mathematics | 4 | F |

Physics

|  |  |  |  |
| --- | --- | --- | --- |
| PHYS 200 | Mechanics | 4 | F |

Note: To enroll in SED 411 and SED 412, students must have completed the calculus sequence: MATH 212, 213, 314; in addition to MATH 240, MATH 300, MATH 315, MATH 324; and at least concurrent enrollment in MATH 432. Prior to enrollment in SED 421 and SED 422, students must have completed all requirements in the mathematics major.

Total Credit Hours: 51

Physics Major

Students electing a major in Physics apply to the Feinstein School of Education and Human Development and meet admission requirements that include a 2.50 in their content grade point average (GPA). Students must maintain the content GPA of 2.50 for retention and, along with satisfactorily completing required courses in secondary education (minimum grade B-), complete the following courses to obtain Physics certification:

Requirements

Biology

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 111 | Introductory Biology I | 4 | F, Sp, Su |

Chemistry

|  |  |  |  |
| --- | --- | --- | --- |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
| CHEM 104 | General Chemistry II | 4 | F, Sp, Su |

Mathematics

|  |  |  |  |
| --- | --- | --- | --- |
| MATH 212 | Calculus I | 4 | F, Sp, Su |
| MATH 213 | Calculus II | 4 | F, Sp, Su |
| MATH 314 | Calculus III | 4 | F, Sp |

Physical Science

|  |  |  |  |
| --- | --- | --- | --- |
| PSCI 212 | Introduction to Geology | 4 | F, Su |
| PSCI 357 | Historical and Contemporary Contexts of Science | 3 | As needed |

Required Physics Courses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PHYS 200 | Mechanics | 4 | F | |
| PHYS 201 | Electricity and Magnetism | 4 | Sp | |
| PHYS 307 | Quantum Mechanics I | 4 | F (even years) | |
| PHYS 311 | Thermodynamics | 4 | F (odd years) | |
| PHYS 312 | Mathematical Methods in Physics | 3 | Sp | |
| PHYS 313 | Junior Laboratory | 3 | Sp | |
| PHYS 413 | Senior Laboratory | 3 | Sp | |
| PHYS 491-493  PHYS 491: (for 1 credit) | Research in Physics | 1 | As needed | |
| Elective Physics Courses (Choose ONE of the following) | | | |
| PHYS 309 | Nanoscience and Nanotechnology | 4 | Sp (even years) | |
| PHYS 315 | Optics | 4 | F (odd years) | |
| PHYS 320 | Analog Electronics | 4 | Fall (even years) | |
| PHYS 321 | Digital Electronics | 4 | Sp (odd years) | |

Note: To enroll in SED 411 and SED 412, students must have completed at least 55 credit hours of required and cognate courses in the major or have the consent of the program advisor. Prior to enrollment in SED 421, students must have completed all requirements in the physics major.

Total Credit Hours: 61