

# ELEMENTARY AND EARLY CHILDHOOD EDUCATION, B.S.

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

**Begin Campus:** Abington, Altoona, Berks, Beaver, Brandywine, DuBois, Erie, Fayette, Greater Allegheny, Harrisburg, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Shenango, Schuylkill, University Park, Wilkes-Barre, Scranton, York

**End Campus:** Abington, Altoona, Berks, Erie, University Park

## Degree Requirements

**For the Bachelor of Science degree in Elementary and Early Childhood Education, a minimum of 124 credits is required:**

| Requirement                | Credits |
|----------------------------|---------|
| General Education          | 45      |
| Requirements for the Major | 103-104 |

**24-25 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GH courses, 9 credits of GN courses, 3-4 credits of GQ courses, 6 credits of GS courses. Six of these 24-25 credits may also satisfy the Integrative Studies requirement.**

## Requirements for the Major

A grade of C or better is required for all courses in the major. To graduate, a student enrolled in the major must earn at least a C grade in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/>).

| Code                                                      | Title                                                                      | Credits |
|-----------------------------------------------------------|----------------------------------------------------------------------------|---------|
| <b>Prescribed Courses</b>                                 |                                                                            |         |
| <i>Prescribed Courses: Require a grade of C or better</i> |                                                                            |         |
| CI 295A                                                   | Introductory Field Experience for Teacher Preparation                      | 3       |
| CI 405                                                    | Reimagining Classroom Management                                           | 3       |
| CI 460                                                    | The Creative Child                                                         | 3       |
| CI 495A                                                   | Clinical Application of Instruction - PK-4                                 | 3       |
| CI 495D                                                   | Practicum in Student Teaching--Childhood and Early Adolescent Education    | 12      |
| CI 495F                                                   | Professional Development Practicum                                         | 3       |
| ECE 353                                                   | Parent Involvement in Home, Center, and Classroom Instruction              | 3       |
| ECE 451                                                   | Instruction in Early Childhood Education Derived from Development Theories | 3       |
| EDPSY 14                                                  | Learning and Instruction                                                   | 3       |
| EDPSY 422                                                 | Learning and Development in the Context of Adversity and Trauma            | 3       |
| EDTHP 115                                                 | Education in American Society                                              | 3       |
| LLED 302                                                  | Teaching Children's Literature                                             | 3       |
| LLED 400                                                  | Teaching Literacy in Early Childhood                                       | 3       |
| LLED 401                                                  | Teaching Literacy in Elementary School                                     | 3       |

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| MTHED 420                                                                   | Teaching Mathematics In The Elementary Schools                                                      | 3   |
| SCIED 458                                                                   | Teaching Science in the Elementary School                                                           | 3   |
| SPLED 400                                                                   | Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management | 4   |
| SPLED 403A                                                                  | Evidence-Based Instruction for Elementary Students with Disabilities in Reading, Math, and Writing  | 3   |
| SSED 430W                                                                   | Teaching Social Studies in the Elementary Grades                                                    | 3   |
| <b>Additional Courses</b>                                                   |                                                                                                     |     |
| <i>Additional Courses: Require a grade of C or better</i>                   |                                                                                                     |     |
| EDPSY 11                                                                    | Educational Implications of Individual Differences in Childhood                                     | 3   |
| or HDFS 229                                                                 | Infant and Child Development                                                                        |     |
| MTHED 240                                                                   | Mathematics in Elementary School                                                                    | 3   |
| or MATH 200                                                                 | Problem Solving in Mathematics                                                                      |     |
| Select 3 credits from the following:                                        |                                                                                                     | 3   |
| CI 280                                                                      | Introduction to Teaching Multilingual Learners                                                      |     |
| EDUC 466N                                                                   | Foundations of Teaching English as a Second Language                                                |     |
| WLED 400                                                                    | Foundations of Language in Second Language Teaching                                                 |     |
| Select 3-4 credits from the following:                                      |                                                                                                     | 3-4 |
| EDPSY 101                                                                   | Analysis and Interpretation of Statistical Data in Education                                        |     |
| STAT 100                                                                    | Statistical Concepts and Reasoning                                                                  |     |
| STAT 200                                                                    | Elementary Statistics                                                                               |     |
| <b>Supporting Courses and Related Areas</b>                                 |                                                                                                     |     |
| <i>Supporting Courses and Related Areas: Require a grade of C or better</i> |                                                                                                     |     |
| Select 3 credits of Social Studies selection:                               |                                                                                                     | 3   |
| ANTH 45N                                                                    | Cultural Diversity: A Global Perspective                                                            |     |
| ECON 14                                                                     | Principles of Economics                                                                             |     |
| ECON 102                                                                    | Introductory Microeconomic Analysis and Policy                                                      |     |
| ECON 104                                                                    | Introductory Macroeconomic Analysis and Policy                                                      |     |
| GEOG 1N                                                                     | Global Parks and Sustainability                                                                     |     |
| GEOG 2N                                                                     | Apocalyptic Geographies: How can we prevent the end of the world?                                   |     |
| GEOG 3N                                                                     | Food and the Future Environment                                                                     |     |
| GEOG 6N                                                                     | Maps and the Geospatial Revolution                                                                  |     |
| GEOG 20                                                                     | Human Geography: An Introduction                                                                    |     |
| GEOG 30N                                                                    | Environment and Society in a Changing World                                                         |     |
| GEOG 40                                                                     | World Regional Geography                                                                            |     |
| GEOG 126                                                                    | Economic Geography                                                                                  |     |
| LDT 100                                                                     | World Technologies and Learning                                                                     |     |
| PLSC 1                                                                      | American Politics: Principles, Processes and Powers                                                 |     |
| SSED 100N                                                                   | Foundations of History and Social Studies Concepts for K-8 Teachers                                 |     |
| Select 3 credits in Literature:                                             |                                                                                                     | 3   |
| AFAM 147                                                                    | The Life and Thought of Malcolm X                                                                   |     |
| CAMS 1                                                                      | Greek and Roman Literature                                                                          |     |
| CAMS 45                                                                     | Classical Mythology                                                                                 |     |
| CMLIT 1                                                                     | Introduction to Western Literatures Through the Renaissance                                         |     |

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| CMLIT 3    | Introduction to African Literatures                                   | ENGL 191                          | Science Fiction                                                                                |
| CMLIT 4    | Introduction to Asian Literatures                                     | ENGL 192                          | Fantasy Literature                                                                             |
| CMLIT 5    | Introduction to Literatures of the Americas                           | ENGL 194                          | Women Writers                                                                                  |
| CMLIT 6    | Literature and Philosophy                                             | ENGL 200                          | Introduction to Critical Reading                                                               |
| CMLIT 7    | Introduction to Middle Eastern Literatures                            | ENGL 201                          | What is Literature                                                                             |
| CMLIT 10   | Worlds: Literature, Media, and Society                                | ENGL 205                          | Children's Literature                                                                          |
| CMLIT 100  | Connections: Literature, Media, and Society                           | ENGL 221                          | British Literature to 1798                                                                     |
| CMLIT 101  | Race, Gender, and Identity in World Literature                        | ENGL 222                          | British Literature from 1798                                                                   |
| CMLIT 105  | The Development of Literary Humor                                     | ENGL 224N                         | Authors and Artists                                                                            |
| CMLIT 106  | The Arthurian Legend                                                  | ENGL 226                          | Latina and Latino Border Theories                                                              |
| CMLIT 107  | Exploration, Travel, Migration, and Exile                             | ENGL 231                          | American Literature to 1865                                                                    |
| CMLIT 108  | Myths and Mythologies                                                 | ENGL 232                          | American Literature from 1865                                                                  |
| CMLIT 109  | Native American Myths, Legends, and Literatures                       | ENGL 233N                         | Chemistry and Literature                                                                       |
| CMLIT 111  | Introduction to Literatures of India                                  | ENGL 234                          | Sports, Ethics, and Literature                                                                 |
| CMLIT 112N | Introduction to Global Drama, Theatre, and Performance                | ENGL 240                          | Exploring Literary Traditions                                                                  |
| CMLIT 120  | The Literature of the Occult                                          | ENGL 262                          | Reading Fiction                                                                                |
| CMLIT 122  | Global Science Fictions                                               | ENGL 263                          | Reading Poetry                                                                                 |
| CMLIT 130  | Banned Books: International and Comparative Perspectives              | ENGL 265                          | Reading Nonfiction                                                                             |
| CMLIT 131  | Crime and Detection in World Literature                               | ENGL 268                          | Reading Drama                                                                                  |
| CMLIT 132  | Nobel Prize Literature                                                | LLED 215N                         | Children's Picture Books as Multimodal Texts                                                   |
| CMLIT 143  | Human Rights and World Literature                                     | LLED 235                          | Chinese Culture in Child Lit                                                                   |
| CMLIT 153  | International Cultures: Film and Literature                           | LLED 260                          | A Critically Conscious Approach to Non-Fiction Literature for Children & Adolescents           |
| CMLIT 184  | The Short Story                                                       | WMNST 106N                        | Representing Women and Gender in Literature, Art and Popular Cultures                          |
| ENGL 2     | The Great Traditions in English Literature                            | WMNST 194                         | Women Writers                                                                                  |
| ENGL 101   | Introduction to Literature                                            | Select 3 credits of US History: 3 |                                                                                                |
| ENGL 103   | The Great Traditions in American Literature                           | AFAM 100N                         | Black Freedom Struggles                                                                        |
| ENGL 104   | The Bible as Literature                                               | AFAM 101N                         | African American Women                                                                         |
| ENGL 129   | Shakespeare                                                           | AFAM 103                          | Racism and Sexism                                                                              |
| ENGL 130   | Popular Literature                                                    | AFAM 141N                         | African American Read-In Engaged Learning Experience                                           |
| ENGL 132   | Jewish American Literature                                            | AFAM 146                          | The Life and Thought of Martin Luther King, Jr.                                                |
| ENGL 133   | Modern American Literature to World War II                            | AFAM 152                          | African American History                                                                       |
| ENGL 134   | American Comedy                                                       | AFAM 210                          | Freedom's First Generation: African American Life and Work, from the Civil War to World War II |
| ENGL 135   | Alternative Voices in American Literature                             | AFAM 212                          | African Americans in the New Jim Crow Era, 1968-present                                        |
| ENGL 136   | The Graphic Novel                                                     | AFAM 213Y                         | African American Women's History                                                               |
| ENGL 139   | African American Literature                                           | AMST 100                          | Introduction to American Studies                                                               |
| ENGL 140   | Contemporary Literature                                               | AMST 104                          | Women and the American Experience                                                              |
| ENGL 141N  | African American Read-In Engaged Learning Experience                  | ANTH 146                          | Indigenous North America                                                                       |
| ENGL 142N  | Science in Literature                                                 | GER 157N                          | The Amish                                                                                      |
| ENGL 145   | Modern Irish Literature                                               | HIST 3                            | The American Nation: Historical Perspectives                                                   |
| ENGL 170N  | Introduction to American Folklore                                     | HIST 12                           | History of Pennsylvania                                                                        |
| ENGL 180   | Literature and the Environment                                        | HIST 20                           | American Civilization to 1877                                                                  |
| ENGL 181A  | Adventure Literature: Exploring the Chesapeake Bay                    | HIST 21                           | American Civilization Since 1877                                                               |
| ENGL 181B  | Adventure Literature: Exploring Cape Cod                              | HIST 109                          | Introduction to U.S. Environmental History                                                     |
| ENGL 181C  | The Beach: Exploring the Literature of the Atlantic Shore             | HIST 111                          | Introduction to U.S. Food History                                                              |
| ENGL 181D  | Adventure Literature: Exploring the Literature of American Wilderness | HIST 115                          | The American Jewish Experience                                                                 |
| ENGL 182   | Literature and Empire                                                 | HIST 116N                         | Family and Gender Roles in Modern History                                                      |
| ENGL 184   | The Short Story                                                       | HIST 117                          | Women in United States History                                                                 |
|            |                                                                       | HIST 127                          | Introduction to U.S. Latina/o History                                                          |

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| HIST 130   | Introduction to the Civil War Era, 1848 through 1877                                           |
| HIST 131N  | Slavery, the Civil War, and Cinema                                                             |
| HIST 144   | The World at War: 1939-1945                                                                    |
| HIST 150   | America in the 1960s: An Introduction                                                          |
| HIST 151N  | Technology and Society in American History                                                     |
| HIST 152   | African American History                                                                       |
| HIST 153   | Native American History                                                                        |
| HIST 154   | History of Welfare and Poverty in the United States                                            |
| HIST 155   | American Business History                                                                      |
| HIST 156   | History of the American Worker                                                                 |
| HIST 157   | Railroads and American Society                                                                 |
| HIST 158   | History of American Immigration                                                                |
| HIST 160   | American Naval History                                                                         |
| HIST 161   | The Battle of Gettysburg in American Historical Memory                                         |
| HIST 173   | Vietnam in War and Peace                                                                       |
| HIST 210   | Freedom's First Generation: African American Life and Work, from the Civil War to World War II |
| HIST 211   | Slavery and Freedom in the Black Atlantic                                                      |
| HIST 213Y  | African American Women's History                                                               |
| HIST 444   | The United States in Civil War and Reconstruction--1850-1877                                   |
| HIST 445   | The Emergence of Modern America                                                                |
| HIST 446   | America Between the Wars                                                                       |
| HIST 447   | Recent American History                                                                        |
| HIST 448   | America in the 1960s                                                                           |
| HIST 449   | Constitutional History of the United States to 1877                                            |
| HIST 450   | Constitutional History of the United States since 1877                                         |
| HIST 451   | The Consumer Revolution                                                                        |
| HIST 453   | American Environmental History                                                                 |
| HIST 454   | American Military History                                                                      |
| HIST 458Y  | History of Work in America                                                                     |
| HIST 459Y  | Social and Cultural History of the United States Since 1783                                    |
| HIST 465   | The Post-World War II Civil Rights Movement                                                    |
| HIST 478   | American Military History Since 1900                                                           |
| KINES 441  | History of Sport in American Society                                                           |
| PLSC 1     | American Politics: Principles, Processes and Powers                                            |
| PLSC 125   | Pennsylvania Government and Politics                                                           |
| RLST 140Y  | Religion in American Life and Thought                                                          |
| RLST 145   | African Diaspora Religions and Spiritualities                                                  |
| RLST 147   | The Life and Thought of Malcolm X                                                              |
| SOC 119N   | Race, Ethnicity and Culture                                                                    |
| SSED 100N  | Foundations of History and Social Studies Concepts for K-8 Teachers                            |
| WMNST 1    | Introduction to Women's Studies                                                                |
| WMNST 100  | Introduction to Women's and Gender Studies                                                     |
| WMNST 101N | African American Women                                                                         |
| WMNST 103  | Racism and Sexism                                                                              |
| WMNST 104  | Women and the American Experience                                                              |

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| WMNST 117                                                                                                                        | Women in United States History                                |
| WMNST 213Y                                                                                                                       | African American Women's History                              |
| Select 9 credits: 3 credits each (including one course with a lab) from biological science, earth science, and physical science: |                                                               |
| Biological Science:                                                                                                              |                                                               |
| AGECO 121                                                                                                                        | Plant Stress: It's Not Easy Being Green                       |
| ANSC 300                                                                                                                         | Anatomy and Physiology of Domestic Animals                    |
| ANTH 21                                                                                                                          | Introductory Biological Anthropology                          |
| ANTH 22                                                                                                                          | Humans as Primates                                            |
| BIOL 11                                                                                                                          | Introductory Biology I                                        |
| BIOL 12                                                                                                                          | Introductory Biology II                                       |
| BIOL 110                                                                                                                         | Biology: Basic Concepts and Biodiversity                      |
| BIOL 114                                                                                                                         | Biology: Basic Concepts and Biodiversity - Lecture            |
| BIOL 115                                                                                                                         | Biology: Basic Concepts and Biodiversity - Lab                |
| BIOL 116                                                                                                                         | Biology: Basic Concepts and Biodiversity - FRI Lab            |
| BIOL 127                                                                                                                         | Introduction to Plant Biology                                 |
| BIOL 129                                                                                                                         | Mammalian Anatomy                                             |
| BIOL 133                                                                                                                         | Genetics and Evolution of the Human Species                   |
| BIOL 155                                                                                                                         | Introduction to the Biology of Aging                          |
| BIOL 161                                                                                                                         | Human Anatomy and Physiology I - Lecture                      |
| BIOL 162                                                                                                                         | Human Anatomy and Physiology I - Laboratory                   |
| BIOL 177                                                                                                                         | Biology of Sex                                                |
| BIOL 220W                                                                                                                        | Biology: Populations and Communities                          |
| BIOL 224                                                                                                                         | Biology: Populations and Communities - Lecture                |
| BIOL 225W                                                                                                                        | Biology: Populations and Communities - Lab                    |
| BIOL 222                                                                                                                         | Genetics                                                      |
| BIOL 230W                                                                                                                        | Biology: Molecules and Cells                                  |
| BIOL 234                                                                                                                         | Biology: Molecules and Cells - Lecture                        |
| BIOL 235W                                                                                                                        | Biology: Molecules and Cells - Lab                            |
| BIOL 236W                                                                                                                        | Biology: Molecules and Cells - FRI Lab                        |
| BIOL 240W                                                                                                                        | Biology: Function and Development of Organisms                |
| BIOL 244                                                                                                                         | Biology: Function and Development of Organisms - Lecture      |
| BIOL 245W                                                                                                                        | Biology: Function and Development of Organisms - Lab          |
| BISC 1                                                                                                                           | Structure and Function of Organisms                           |
| BISC 2                                                                                                                           | Genetics, Ecology, and Evolution                              |
| BISC 3                                                                                                                           | Environmental Science                                         |
| BISC 4                                                                                                                           | Human Body: Form and Function                                 |
| BMB 1                                                                                                                            | The Science of Sickness                                       |
| ENGR 110                                                                                                                         | Introduction to Engineering for Educators                     |
| ENT 202N                                                                                                                         | Insect Connections: Insects, Globalization and Sustainability |
| ENVST 100N                                                                                                                       | Visions of Nature                                             |
| FRNSC 100                                                                                                                        | Introduction to Forensic Science                              |
| HORT 101                                                                                                                         | Horticultural Science                                         |
| HORT 150N                                                                                                                        | Plants in the Human Context                                   |
| MICRB 106                                                                                                                        | Elementary Microbiology                                       |
| MICRB 107                                                                                                                        | Elementary Microbiology Laboratory                            |
| SC 120N                                                                                                                          | Plants, Places, and People                                    |
| SCIED 110                                                                                                                        | Introduction to Engineering for Educators                     |
| SCIED 112                                                                                                                        | Climate Science for Educators                                 |
| SCIED 114                                                                                                                        | Sound and Light for Educators                                 |

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| SCIED 116       | Introduction to Astronomy for Educators                                              | MATSE 101                                                      | Energy and the Environment                                                             |
| SCIED 118       | Field Natural History for Teachers                                                   | METEO 3                                                        | Weather Revealed: Introductory Meteorology                                             |
| SCIED 140       | Outdoor School Field Experience                                                      | METEO 5                                                        | Severe and Unusual Weather                                                             |
| WFS 209N        | Wildlife and Fisheries Conservation                                                  | METEO 101                                                      | Understanding Weather Forecasting                                                      |
| Earth Sciences: |                                                                                      | METEO 133N                                                     | Ethics of Climate Change                                                               |
| AGECO 122       | Atmospheric Environment: Growing in the Wind                                         | SCIED 112                                                      | Climate Science for Educators                                                          |
| ASTRO 1         | Astronomical Universe                                                                | SCIED 116                                                      | Introduction to Astronomy for Educators                                                |
| ASTRO 5         | The Sky and Planets                                                                  | SCIED 118                                                      | Field Natural History for Teachers                                                     |
| ASTRO 6         | Stars, Galaxies, and the Universe                                                    | SOILS 101                                                      | Introductory Soil Science                                                              |
| ASTRO 7N        | The Artistic Universe                                                                | STS 55                                                         | Space Science and Technology                                                           |
| ASTRO 10        | Elementary Astronomy                                                                 | Physical Sciences:                                             |                                                                                        |
| ASTRO 11        | Elementary Astronomy Laboratory                                                      | ASTRO 1                                                        | Astronomical Universe                                                                  |
| ASTRO 116       | Introduction to Astronomy for Educators                                              | ASTRO 5                                                        | The Sky and Planets                                                                    |
| ASTRO 120       | The Big Bang Universe                                                                | ASTRO 6                                                        | Stars, Galaxies, and the Universe                                                      |
| ASTRO 130       | Black Holes in the Universe                                                          | ASTRO 7N                                                       | The Artistic Universe                                                                  |
| ASTRO 140       | Life in the Universe                                                                 | ASTRO 10                                                       | Elementary Astronomy                                                                   |
| ASTRO 150       | Sustainability in astronomy: Preserving dark and quiet skies                         | ASTRO 11                                                       | Elementary Astronomy Laboratory                                                        |
| ASTRO 291       | Astronomical Methods and the Solar System                                            | ASTRO 116                                                      | Introduction to Astronomy for Educators                                                |
| ASTRO 292       | Astronomy of the Distant Universe                                                    | ASTRO 120                                                      | The Big Bang Universe                                                                  |
| BISC 3          | Environmental Science                                                                | ASTRO 130                                                      | Black Holes in the Universe                                                            |
| EARTH 2         | The Earth System and Global Change                                                   | ASTRO 140                                                      | Life in the Universe                                                                   |
| EARTH 100       | Environment Earth                                                                    | CHEM 1                                                         | Molecular Science                                                                      |
| EARTH 101       | Natural Disasters: Hollywood vs. Reality                                             | CHEM 3                                                         | Molecular Science With Laboratory                                                      |
| EARTH 103N      | Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century | CHEM 101                                                       | Introductory Chemistry                                                                 |
| EARTH 104N      | Climate, Energy and Our Future                                                       | CHEM 110                                                       | Chemical Principles I                                                                  |
| EARTH 107N      | Coastal Processes, Hazards and Society                                               | CHEM 111                                                       | Experimental Chemistry I                                                               |
| EARTH 111N      | Water: Science and Society                                                           | CHEM 130                                                       | Introduction to General, Organic, and Biochemistry                                     |
| EARTH 112       | Climate Science for Educators                                                        | EGEE 101                                                       | Energy and the Environment                                                             |
| EARTH 150       | Dinosaur Extinctions and Other Controversies                                         | ENGR 110                                                       | Introduction to Engineering for Educators                                              |
| EARTH 155N      | Scientific Controversies and Public Debate                                           | FRNSC 100                                                      | Introduction to Forensic Science                                                       |
| EARTH 240       | Coral Reef Systems                                                                   | INART 50                                                       | The Science of Music                                                                   |
| EMSC 121        | Minerals and Modern Society                                                          | MATSE 81                                                       | Materials in Today's World                                                             |
| ENVST 100N      | Visions of Nature                                                                    | MATSE 101                                                      | Energy and the Environment                                                             |
| GEOG 1N         | Global Parks and Sustainability                                                      | PHYS 1                                                         | The Science of Physics                                                                 |
| GEOG 3N         | Food and the Future Environment                                                      | PHYS 150                                                       | Technical Physics I                                                                    |
| GEOG 4          | Earth and Environmental Systems Geography                                            | PHYS 151                                                       | Technical Physics II                                                                   |
| GEOG 10         | Physical Geography: An Introduction                                                  | PHYS 250                                                       | Introductory Physics I                                                                 |
| GEOG 115        | Landforms of the World                                                               | PHYS 251                                                       | Introductory Physics II                                                                |
| GEOG 210        | Geographic Perspectives on Environmental Systems Science                             | SCIED 110                                                      | Introduction to Engineering for Educators                                              |
| GEOSC 1         | Physical Geology                                                                     | SCIED 114                                                      | Sound and Light for Educators                                                          |
| GEOSC 10        | Geology of the National Parks                                                        | SCIED 118                                                      | Field Natural History for Teachers                                                     |
| GEOSC 20        | Planet Earth                                                                         | STS 55                                                         | Space Science and Technology                                                           |
| GEOSC 21        | Earth and Life: Origin and Evolution                                                 | Select 6 credits of educational selections from the following: |                                                                                        |
| GEOSC 40        | The Sea Around Us                                                                    | APLNG 493                                                      | Teaching English as a Second Language                                                  |
| GEOSC 109H      | Earthquakes and Society                                                              | CI 185                                                         | Principles of Social Justice in Education                                              |
| GEOSC 110H      | The Science of Gemstones                                                             | CI 285N                                                        | Active Engagement for Social Justice in Education                                      |
| GEOSC 201       | Earth Materials                                                                      | CI 385                                                         | DC Social Justice in Education: Empowering Communities through Transformative Teaching |
| GEOSC 202       | Chemical Processes in Geology                                                        | CI 288                                                         | Foundations of Teaching Multilingual Learners                                          |
| GEOSC 203       | Physical Processes in Geology                                                        | CI 388                                                         | Sociopolitical Contexts of Teaching Multilingual Learners                              |
| GEOSC 212N      | Earthquakes and Human History                                                        | CI 488                                                         | Designing Assessment and Curriculum for Multilingual Learners                          |

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| CMAS 258N | Introduction to Child Maltreatment and Advocacy Studies              |
| CMAS 465  | Child Maltreatment: Prevention and Treatment                         |
| ECE 479   | The Young Child's Play as Educative Processes                        |
| EDLDR 476 | Law, Education, and Politics                                         |
| EDLDR 480 | Dynamics of Contemporary School Leadership                           |
| EDPSY 406 | Applied Statistical Inference for the Behavioral Sciences            |
| EDPSY 421 | Learning Processes in Relation to Educational Practices              |
| EDPSY 450 | Principles of Measurement                                            |
| EDPSY 475 | Introduction to Educational Research                                 |
| EDTHP 200 | Reform, Advocacy, and Transformation in Education                    |
| EDTHP 220 | Children, Parents and Schools                                        |
| EDTHP 394 | Professional Development in Education and Public Policy              |
| EDTHP 401 | Education Across Borders: A Global Exploration of Education          |
| EDTHP 412 | Education and the Status of Women                                    |
| EDTHP 416 | Sociology of Education                                               |
| EDTHP 420 | Shaping Education: Policy Development and Impact                     |
| EDTHP 426 | Economic Impact and Education Policy                                 |
| EDTHP 427 | Intelligence and Educational Policy                                  |
| EDTHP 430 | History of Education in the United States                            |
| EDTHP 433 | Education and Civil Rights                                           |
| EDTHP 435 | Child Labor and Education in the Global Economy                      |
| EDTHP 440 | Introduction to Philosophy of Education                              |
| EDTHP 447 | Ethnic Minorities and Schools in the United States                   |
| EDTHP 492 | Identities, Power and Perceptual Pedagogies in Teaching and Learning |
| EDUC 400  | Diversity and Cultural Awareness Practices in the K-12 Classroom     |
| EDUC 466N | Foundations of Teaching English as a Second Language                 |
| EDUC 467  | English Language Structure for English as a Second Language Teachers |
| EDUC 468  | Language Acquisition for English as a Second Language Teachers       |
| EDUC 469  | Teaching Methods and Assessment of English as a Second Language      |
| EDUC 475  | ESL Leadership, Research and Advocacy                                |
| HDFS 250  | Sexual and Gender Identity Over the Lifespan                         |
| HDFS 258N | Introduction to Child Maltreatment and Advocacy Studies              |
| HDFS 315  | Family Development                                                   |
| HDFS 315Y | Family Development                                                   |
| HDFS 330  | Observation or Experience with Children, Youth, and Families         |
| HDFS 345  | CONTEMPORARY URBAN ISSUES AND SOCIAL JUSTICE FRAMEWORKS              |
| HDFS 405  | Gender and Social Development                                        |
| HDFS 410  | Communities and Families                                             |
| HDFS 411  | The Helping Relationship                                             |

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| HDFS 412       | Adult-Child Relationships                                                               |
| HDFS 415       | Program Development in Family Relationships                                             |
| HDFS 416       | Racial and Ethnic Diversity and the American Family                                     |
| HDFS 418       | Family Relationships                                                                    |
| HDFS 424       | Family Development in an Economic Context                                               |
| HDFS/KINES 427 | Developmental Sport & Exercise Psychology                                               |
| HDFS 428       | Infant Development                                                                      |
| HDFS 429       | Advanced Child Development                                                              |
| HDFS 430       | Experience in Preschool Groups                                                          |
| HDFS 431       | Family Disorganization: Stress Points in the Contemporary Family                        |
| HDFS 432       | Developmental Problems in Childhood and Adolescence                                     |
| HDFS 440       | Family Policy                                                                           |
| HDFS 452       | Child Maltreatment Prevention, Intervention, and Legal Issues                           |
| HDFS 453       | Family Participation and Involvement in Child Services                                  |
| HDFS 465       | Child Maltreatment: Prevention and Treatment                                            |
| HDFS 467       | Autism: Providing Professional Support for Individuals and Families                     |
| LLED 450       | Content Area Reading                                                                    |
| LLED 462       | The Art of the Picturebook                                                              |
| LLED 465       | Fantasy Literature for Children                                                         |
| MUSIC 241      | Music for Classroom Teachers                                                            |
| PSYCH 217N     | The Science of Human Resilience                                                         |
| PSYCH 410      | Child Development                                                                       |
| PSYCH 443      | Treatment and Education in Developmental Disabilities                                   |
| PSYCH 474      | Psychological Intervention in Childhood                                                 |
| PSYCH 476      | Child Psychopathology                                                                   |
| RHS 300        | Foundations of Rehabilitation and Human Services                                        |
| RHS 401        | Community Mental Health Practice and Services                                           |
| RHS 402        | Children and Families in Rehabilitation Settings and Human Services                     |
| RHS 403        | Medical Aspects of Disability                                                           |
| RHS 404        | Rehabilitation Services for Transition Age Youth with Disabilities: Theory and Practice |
| RHS 433        | Trauma-informed care for school & human service professionals                           |
| SPLED 419      | Assistive Technology for General Education Teachers                                     |
| SPLED 461      | Introduction to Autism Spectrum Disorders: Issues and Concerns                          |
| SPLED 525      | Teaching Learners with Disabilities in Inclusive Settings                               |
| WLED 400       | Foundations of Language in Second Language Teaching                                     |
| WLED 483       | Evaluating Schools Performances and Programs with English Language Learners (ELLs)      |

## General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

### Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- **Quantification (GQ):** 6 credits
- **Writing and Speaking (GWS):** 9 credits

### Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

- **Arts (GA):** 3 credits
- **Health and Wellness (GHW):** 3 credits
- **Humanities (GH):** 3 credits
- **Social and Behavioral Sciences (GS):** 3 credits
- **Natural Sciences (GN):** 3 credits

### Integrative Studies

- **Inter-Domain Courses (Inter-Domain):** 6 credits

### Exploration

- **GN**, may be completed with Inter-Domain courses: 3 credits
- **GA, GH, GN, GS, Inter-Domain courses.** This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher: 6 credits

## University Degree Requirements

### First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

### Cultures Requirement

6 credits are required and may satisfy other requirements

- **United States Cultures:** 3 credits
- **International Cultures:** 3 credits

### Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as part of major requirements.

### Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

### Quality of Work

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

### Limitations on Source and Time for Credit Acquisition

The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/>)). For more information, check the Suggested Academic Plan for your intended program.