ELEMENTARY AND KINDERGARTEN EDUCATION, B.S. (EDUCATION)

Begin Campus: Any Penn State Campus
End Campus: University Park

Degree Requirements
For the Bachelor of Science degree in Elementary and Kindergarten Education, a minimum of 129.5 credits is required for the Early Childhood Teaching Option and a minimum of 122 credits is required for the Elementary Education Teaching Option:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>0-3</td>
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<tr>
<td>Requirements for the Major</td>
<td>101-117</td>
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</tbody>
</table>

27-30 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GS, 6 credits of GQ, 6 credits of GH, and 9 credits of GN courses for both options. The Early Childhood Teaching option permits 3 credits of GHW.

See also Teacher Education Programs (https://ed.psu.edu/academics/teacher-testing-certification/).

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

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 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 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
A grade of C or better per course is required for teacher certification.

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prescribed Courses: Require a grade of C or better for teacher certification</td>
<td></td>
</tr>
<tr>
<td>AED 303</td>
<td>The Visual Arts in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>CI 295</td>
<td>Introductory Field Experience for Teacher Preparation</td>
<td>2</td>
</tr>
<tr>
<td>CI 495B</td>
<td>Clinical Application of Instruction - Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>CI 495D</td>
<td>Practicum in Student Teaching–Childhood and Early Adolescent Education</td>
<td>12</td>
</tr>
<tr>
<td>CI 495F</td>
<td>Professional Development Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EDPSY 14</td>
<td>Learning and Instruction</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGL 100 English Language Analysis 3
KINES 126 The Health Program for the Elementary School Child 1.5
LLED 400 Teaching Reading in the Elementary School 3
LLED 401 Teaching Language arts in Elementary School 3
LLED 402 Teaching Children's Literature 3
MATH 200 Problem Solving in Mathematics 3
MTHED 420 Teaching Mathematics In The Elementary Schools 3
MUSIC 241 Music for Classroom Teachers 3
SCIED 458 Teaching Science in the Elementary School 3
SPLED 400 Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management 3
LLED 400 Teaching Reading in the Elementary School 3
LLED 401 Teaching Language arts in Elementary School 3
LLED 402 Teaching Children's Literature 3
MATH 200 Problem Solving in Mathematics 3
MTHED 420 Teaching Mathematics In The Elementary Schools 3
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MTHED 420 Teaching Mathematics In The Elementary Schools 3
MUSIC 241 Music for Classroom Teachers 3
SCIED 458 Teaching Science in the Elementary School 3
SPLED 400 Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management 3
SSED 430W Teaching Social Studies in the Elementary Grades 3

Additional Courses
Additional Courses: Require a grade of C or better for teacher certification

EDTHP 115 Education in American Society 3
or EDTHP 115A Competing Rights: Issues in American Education
HIST 20 American Civilization to 1877 3
or HIST 21 American Civilization Since 1877
Select one of the following: 3-4
EDPSY 101 Analysis and Interpretation of Statistical Data in Education
STAT 100 Statistical Concepts and Reasoning
STAT 200 Elementary Statistics
Select one of the following: 3
ECON 14 Principles of Economics
ECON 102 Introductory Microeconomic Analysis and Policy
ECON 104 Introductory Macroeconomic Analysis and Policy
Select one of the following: 3
GEOG 20 Human Geography: An Introduction
GEOG 30N Environment and Society in a Changing World
GEOG 122 The American Scene
GEOG 123 Geography of Developing World
GEOG 124 Elements of Cultural Geography
GEOG 126 Economic Geography
GEOG 128 Geography of International Affairs
GEOG 230 Urban Geography: A Global Perspective

Supporting Courses and Related Areas
Supporting Courses and Related Areas: Require a grade of C or better for teacher certification
Select 3 credits in literature GH
Select 9 credits: 3 credits each (including one course with a lab) from the following GN biological science, earth science, and physical science

Requirements for the Option
Requirements for the Option: Require a grade of C or better for teacher certification
Select an option 16.5-30

Requirements for the Option
Early Childhood Teaching Option (27-30 credits)
Available at the following campuses: University Park

Code Title Credits
Prescribed Courses
CI 495A Clinical Application of Instruction - PK-4 1
ECE 451 Instruction in Early Childhood Education Derived from Development Theories 3
ECE 452 3
ECE 453 parent Involvement in Home, Center, and Classroom Instruction 2
ECE 454 Development and Administration of Child Service Programs 3
ECE 479 The Young Child's Play as Educatice Processes 3

Additional Courses
HDFS 315 Family Development 3
or SOC 30 Sociology of the Family
HDFS 428 Infant Development 3
or HDFS 429 Advanced Child Development
HPA 101 Introduction to Health Services Organization 3
or NUTR 251 Introductory Principles of Nutrition
PSYCH 100 Introductory Psychology 3-6
& PSYCH 212 and Introduction to Developmental Psychology
or HDFS 229 Infant and Child Development

Elementary Education Teaching Option (16.5-19.5 credits)
Available at the following campuses: Altoona, Berks, University Park

Code Title Credits
Prescribed Courses
KINES 127 The Physical Education Program for the Elementary School Child 1.5

Additional Courses
Select one of the following: 3-6
EDPSY 10 Individual Differences and Education
HDFS 229 Infant and Child Development
PSYCH 100 Introductory Psychology
& PSYCH 212 and Introduction to Developmental Psychology

Supporting Courses and Related Areas
Select 3 credits in MATH or MTHED
Select 6 credits of the following: 6
EDTHP at the 400 level
ECE at the 400 level
SPLED at the 400 level
EDLDR 405 Strategies in Classroom Management
EDLDR 497 Special Topics
LLED 497 Special Topics
Select 3 credits in U.S. History 3