

ELEMENTARY AND EARLY CHILDHOOD EDUCATION, B.S.

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 & 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 27 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/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
Prescribed Courses		
<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 451	Instruction in Early Childhood Education Derived from Development Theories	3
ECE 453	Parent Involvement in Home, Center, and Classroom Instruction	3
EDPSY 14	Learning and Instruction	3
EDTHP 115	Education in American Society	3
LLED 400	Teaching Literacy in Early Childhood	3
LLED 401	Teaching Literacy in Elementary School	3
LLED 402	Teaching Children's Literature	3
MTHED 420	Teaching Mathematics In The Elementary Schools	3
SCIED 458	Teaching Science in the Elementary School	3
SPLD 400	Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management	4

SPLD 403A	Evidence-Based Instruction for Elementary Students with Disabilities in Reading, Math, and Writing	3
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SSED 430W	Teaching Social Studies in the Elementary Grades	3
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Additional Courses

Additional Courses: Require a grade of C or better

EDPSY 11	Educational Implications of Individual Differences in Childhood	3
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or HDFS 229 Infant and Child Development

MTHED 240	Mathematics in Elementary School	3
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or MATH 200 Problem Solving in Mathematics

Select 3 credits from the following:		3
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CI 280 Introduction to Teaching English Language 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
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EDPSY 101 Analysis and Interpretation of Statistical Data in Education

STAT 100 Statistical Concepts and Reasoning

STAT 200 Elementary Statistics

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better

Select 3 credits of Social Studies selection:		3
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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
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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

CMLIT 3 Introduction to African Literatures

CMLIT 4 Introduction to Asian Literatures

CMLIT 5 Introduction to Literatures of the Americas

CMLIT 6 Literature and Philosophy

CMLIT 7	Introduction to Middle Eastern Literatures	ENGL 200	Introduction to Critical Reading
CMLIT 10	World Literatures	ENGL 201	What is Literature
CMLIT 100	Reading Across Cultures	ENGL 205	Children's Literature
CMLIT 101	Race, Gender, and Identity in World Literature	ENGL 221	British Literature to 1798
CMLIT 105	The Development of Literary Humor	ENGL 222	British Literature from 1798
CMLIT 106	The Arthurian Legend	ENGL 224N	Authors and Artists
CMLIT 107	Exploration, Travel, Migration, and Exile	ENGL 226	Latina and Latino Border Theories
CMLIT 108	Myths and Mythologies	ENGL 231	American Literature to 1865
CMLIT 109	Native American Myths, Legends, and Literatures	ENGL 232	American Literature from 1865
CMLIT 110	Jewish Literature: An International Perspective	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	WMNST 106N	Representing Women and Gender in Literature, Art and Popular Cultures
CMLIT 184	The Short Story	WMNST 194	Women Writers
ENGL 2	The Great Traditions in English Literature	Select 3 credits of US History:	3
ENGL 101	Introduction to Literature	AFAM 100N	Black Freedom Struggles
ENGL 103	The Great Traditions in American Literature	AFAM 101N	African American Women
ENGL 104	The Bible as Literature	AFAM 103	Racism and Sexism
ENGL 129	Shakespeare	AFAM 141N	African American Read-In Engaged Learning Experience
ENGL 130	Reading Popular Texts	AFAM 146	The Life and Thought of Martin Luther King, Jr.
ENGL 132	Jewish American Literature	AFAM 152	African American History
ENGL 133	Modern American Literature to World War II	AFAM 210	Freedom's First Generation: African American Life and Work, from the Civil War to World War II
ENGL 134	American Comedy	AFAM 212	African Americans in the New Jim Crow Era, 1968-present
ENGL 135	Alternative Voices in American Literature	AFAM 213Y	African American Women's History
ENGL 136	The Graphic Novel	AMST 100	Introduction to American Studies
ENGL 139	African American Literature	AMST 104	Women and the American Experience
ENGL 140	Contemporary Literature	ANTH 146	Indigenous North America
ENGL 141N	African American Read-In Engaged Learning Experience	GER 157N	The Amish
ENGL 142N	Science in Literature	HIST 3	The American Nation: Historical Perspectives
ENGL 145	Modern Irish Literature	HIST 12	History of Pennsylvania
ENGL 170N	Introduction to American Folklore	HIST 20	American Civilization to 1877
ENGL 180	Literature and the Natural World	HIST 21	American Civilization Since 1877
ENGL 181A	Adventure Literature: Exploring the Chesapeake Bay	HIST 109	Introduction to U.S. Environmental History
ENGL 181B	Adventure Literature: Exploring Cape Cod	HIST 111	Introduction to U.S. Food History
ENGL 181C	The Beach: Exploring the Literature of the Atlantic Shore	HIST 115	The American Jewish Experience
ENGL 181D	Adventure Literature: Exploring the Literature of American Wilderness	HIST 116N	Family and Gender Roles in Modern History
ENGL 182	Literature and Empire	HIST 117	Women in United States History
ENGL 184	The Short Story	HIST 127	Introduction to U.S. Latina/o History
ENGL 191	Science Fiction	HIST 130	Introduction to the Civil War Era, 1848 through 1877
ENGL 192	The Literature of Fantasy	HIST 131N	Slavery, the Civil War, and Cinema
ENGL 194	Women Writers	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 153Y	The Indian in North America
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 452	History of U.S. Foreign Relations
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 477	American Military History to 1900
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
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: 9

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 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 222	Genetics
BIOL 230W	Biology: Molecules and Cells
BIOL 240W	Biology: Function and Development of Organisms
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
SCIED 116	Introduction to Astronomy for Educators
SCIED 118	Field Natural History for Teachers
SCIED 140	Outdoor School Field Experience
WFS 209N	Wildlife and Fisheries Conservation
Earth Sciences:	
AGECO 122	Atmospheric Environment: Growing in the Wind
ASTRO 1	Astronomical Universe
ASTRO 5	The Sky and Planets
ASTRO 6	Stars, Galaxies, and the Universe
ASTRO 7N	The Artistic Universe
ASTRO 10	Elementary Astronomy
ASTRO 11	Elementary Astronomy Laboratory
ASTRO 116	Introduction to Astronomy for Educators

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 291	Astronomical Methods and the Solar System	ASTRO 11	Elementary Astronomy Laboratory
ASTRO 292	Astronomy of the Distant Universe	ASTRO 116	Introduction to Astronomy for Educators
BISC 3	Environmental Science	ASTRO 120	The Big Bang Universe
EARTH 2	The Earth System and Global Change	ASTRO 130	Black Holes in the Universe
EARTH 100	Environment Earth	ASTRO 140	Life in the Universe
EARTH 101	Natural Disasters: Hollywood vs. Reality	CHEM 1	Molecular Science
EARTH 103N	Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century	CHEM 3	Molecular Science With Laboratory
EARTH 104N	Climate, Energy and Our Future	CHEM 101	Introductory Chemistry
EARTH 107N	Coastal Processes, Hazards and Society	CHEM 110	Chemical Principles I
EARTH 111N	Water: Science and Society	CHEM 111	Experimental Chemistry I
EARTH 112	Climate Science for Educators	CHEM 130	Introduction to General, Organic, and Biochemistry
EARTH 150	Dinosaur Extinctions and Other Controversies	EGEE 101	Energy and the Environment
EARTH 155N	Scientific Controversies and Public Debate	ENGR 110	Introduction to Engineering for Educators
EARTH 240	Coral Reef Systems	FRNSC 100	Introduction to Forensic Science
EMSC 121	Minerals and Modern Society	INART 50	The Science of Music
ENVST 100N	Visions of Nature	MATSE 81	Materials in Today's World
GEOG 1N	Global Parks and Sustainability	MATSE 101	Energy and the Environment
GEOG 3N	Food and the Future Environment	PHYS 1	The Science of Physics
GEOG 4	Earth and Environmental Systems Geography	PHYS 114	Sound and Light for Educators
GEOG 10	Physical Geography: An Introduction	PHYS 150	Technical Physics I
GEOG 110	Climates of the World	PHYS 151	Technical Physics II
GEOG 115	Landforms of the World	PHYS 250	Introductory Physics I
GEOG 210	Geographic Perspectives on Environmental Systems Science	PHYS 251	Introductory Physics II
GEOSC 1	Physical Geology	SCIED 110	Introduction to Engineering for Educators
GEOSC 2	Historical 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 9 credits of educational selections from the following:	9
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 285	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	CMAS 258N	Introduction to Child Maltreatment and Advocacy Studies
GEOSC 203	Physical Processes in Geology	CMAS 465	Child Maltreatment: Prevention and Treatment
GEOSC 212N	Earthquakes and Human History	ECE 479	The Young Child's Play as Educative Processes
MATSE 101	Energy and the Environment	EDLDR 476	The Teacher and the Law
METEO 3	Weather Revealed: Introductory Meteorology	EDLDR 480	Introduction to Educational Leadership
METEO 5	Severe and Unusual Weather	EDTHP 200	Educational Reform and Public Policy
METEO 101	Understanding Weather Forecasting	EDTHP 220	Children, Parents and Schools
METEO 133N	Ethics of Climate Change	EDTHP 394	Professional Development in Education and Public Policy
SCIED 112	Climate Science for Educators	EDTHP 401	Introduction to Comparative Education
SCIED 118	Field Natural History for Teachers	EDTHP 412	Education and the Status of Women
SOILS 101	Introductory Soil Science	EDTHP 416	Sociology of Education
STS 55	Space Science and Technology	EDTHP 420	Education and Public Policy
Physical Sciences:		EDTHP 426	Economic Foundations of Education Policy
ASTRO 1	Astronomical Universe	EDTHP 427	Intelligence and Educational Policy
ASTRO 5	The Sky and Planets	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 441	Education, Schooling, and Values
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 Identity over the Life Span
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
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

LLED 467	Children's Literature in the Classroom
MUSIC 241	Music for Classroom Teachers
PSYCH 410	Child Development
PSYCH 443	Treatment and Education in Developmental Disabilities
PSYCH 474	Psychological Intervention in Childhood
PSYCH 476	Child Psychopathology
RHS 300	Introduction to 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/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.