

Pre-Education

Associate in Science

Minimum of 61 credit hours

An Associate Degree in Science in Pre-Education offers a degree path for students interested in teaching at the elementary grade-school level. This flexible degree plan option prepares students to transfer to a Professional Teacher Education program at a four-year college or university where the student can earn teaching certification in one of three areas: Early Childhood Education, Elementary Education, or Special Education. A career in public or private education can be both exciting and diverse. Elementary Teacher graduates will be helping their students discover the world. Students interested in teaching at the high school level should talk with an advisor to see what degree program would better meet those requirements.

(C) A grade of "C" or higher must be achieved.

Course Sequence

Course ID	Course Name	Credits	Type	Min Gd
Suggested Freshman 1st Semester				
SCL 1001	Success in College and Life	1	Life Skills	
ENGL 1113	English Composition I	3	Gen Ed	
HIST 1483	U.S. History to The Civil War	OR	Gen Ed	
HIST 1493	U.S. History Since The Civil War	3	Gen Ed	
BIO 1114	General Biology (Non Majors)	4	Gen Ed	
MATH 1503	Contemporary Mathematics	OR	Gen Ed	
MATH 1513	College Algebra for Business, Life Sciences and Social Sciences	OR	Gen Ed	
MATH 2013	Introduction to Statistics	3	Gen Ed	
Suggested Freshman 2nd Semester				
ENGL 1213	English Composition II	3	Gen Ed	
POLSC 1113	American Federal Government	3	Gen Ed	
PHYS 1014	Physical Science	OR	Gen Ed	
CHEM 1115	General Chemistry I	4-5	Gen Ed	
PSY 1113	Introduction to Psychology	OR	Gen Ed	
SOC 1113	Introduction to Sociology	3	Gen Ed	
MATH 1503	Contemporary Mathematics	OR	Gen Ed	
MATH 1513	College Algebra for Business, Life Sciences and Social Sciences	OR	Gen Ed	
MATH 2013	Introduction to Statistics	3	Gen Ed	
Suggested Sophomore 1st Semester				
HUM	Humanities Elective	3	Gen Ed	
COM 2213	Intro to Public Speaking	3	Gen Ed	
ENGL 2123	Introduction to Literature	3	Gen Ed	
PREED ELEC	Pre-Education Electives	6	Gen Ed	
Suggested Sophomore 2nd Semester				
HUM	Humanities Elective	3	Gen Ed	
GEOG 2603	World Regional Geography	3	Gen Ed	
PREED ELEC	Pre-Education Electives	9	Gen Ed	

Course Grouping

Major Courses: None

General Education Courses: (38-39 credits) English (6 credit hours): ENGL 1113; ENGL 1213; POLSC 1113; History (3 credit hours): HIST 1483 or HIST 1493; Biological Science BIO 1114 (must include lab): PHYS 1014(UCO, USAO) or CHEM 1115 (OU); PSY 1113(UCO, USAO) OR SOC 1113 (UCO, USAO, or OU); Humanities (6 credit hours); COM 2213; GEOG 2603; MATH 1503 (OU, USAO), MATH 1513 (OU, USAO, UCO), or MATH 2013 (OU, USAO, UCO).

Support Courses: (6 Credits) 3 credits: MATH 1503 (OU, USAO) or MATH 1513 (OU, USAO, UCO), or MATH 2013 (OU, USAO, UCO); ENGL 2123.

Faculty Guided Electives: (15-16 Credits) Choose from the following list: MATH 2023 Foundations of Geometry and Measurements (OU, UCO, USAO); MATH 2213 Mathematical Systems (OU, UCO, USAO); GEOL 1064 Earth Science (UCO, USAO); PHYS 1114 College Physics (USAO); CHEM 1115 (USAO); ASTR 1514 (USAO); HIST 1483/1493 (UCO, USAO); SPAN 1115 (OU, UCO, USAO); SPAN 1225 (OU, UCO, USAO); FREN 1115 (OU, UCO, USAO); FREN 1225 (OU, UCO, USAO); GRMN 1115* (OU, UCO, USAO); GRMN 1225** (OU).

*Recommend Reverse Transfer of PTE-3023 if foreign language competency attained through HS or Competency Test. See faculty Advisor for additional information.

** Additional Courses may be substituted for USAO if foreign language competency is attained through HS or Competency Test. See faculty advisor.

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Course Requirement UCO USAO OU General Education ENGL 1113; ENGL 1213; POLSC 1113; HIST 1483; HUM (6 credits); MATH 2013, BIO 1114; COM 2213; GEOG 2603 X X XSOC 1113 -ORXXXPSY 1113X XPHYS 1014 -ORXX CHEM 1115 X PHYS 1014 XX Support Gen Ed Math: MATH 1513 or MATH 2013 X Gen Ed Math: MATH 1503, MATH 1513, or MATH

2013 XXMath Elective: MATH 1513 or MATH 2013X Math Elective: MATH 1503, MATH 1513, or MATH 2013 XX Literature: ENGL 2123XXXElectives MATH 2023XXXMATH 2213XXXPHYS 1064X PHYS 1064, PHYS 1114 or CHEM 1115, ASTR 1514 XSPAN 1115, FREN 1115, GRMN 1115*+XXXSPAN 1225, FREN 1225, GRMN 1225 X

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Program Notes

Notes: This program is designed for students planning to continue their education at a four-year college or university. See the front general section for information and requirements about University Parallel/Transfer Programs.

Degree Program Course Descriptions

BIO 1114 - General Biology (Non Majors)

Prerequisites: ENGL 0203 or adequate placement score or by meeting determined placement measures; MATH 0103 or adequate math placement test score.

4 Credits An introductory lab-based course that is designed to provide non-biological science major with the necessary background needed to effectively understand scientific information. Students investigate the properties of life to include: organization, energy use, evolution, maintenance of homeostasis, reproduction, growth, and development. Ecological concepts are discussed which enables students to have a better understanding regarding the impact that humans have on the natural world. Laboratory work is an integral and required part of this course.

CHEM 1115 - General Chemistry I

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures; MATH 1513 or MATH 1533, or both MATH 0403 and High School Chemistry or CHEM 1123. A grade of

5 Credits This course is designed for science and engineering majors. The course covers nomenclature, atomic and molecular structure, stoichiometry, acid/base and other aqueous reactions, states of matter, phase changes, gas laws, and an introduction to thermochemistry. Laboratory experience is an integral part of the course.

COM 2213 - Intro to Public Speaking

Prerequisites: ENGL 0106 or adequate placement score

3 Credits Given the principles of effective listening and speaking, the student will assimilate those skills into his or her physical and psychological worlds. After being exposed to public, business and professional speaking, the student will apply the principles of invention, organization, style, and delivery through practical exercises and will use the principles of rhetorical criticism in discussing speeches delivered in class.

ENGL 1113 - English Composition I

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits The student will write well-developed compositions which demonstrate the principles of unity, coherence, and organization and which contain specific details and vivid language. The students will locate library material and incorporate researched materials into compositions.

ENGL 1213 - English Composition II

Prerequisites: ENGL 1103 or ENGL 1113 taken within the last year, with strong encouragement for immediate continuation.

3 Credits In this advanced writing course, students will create essays that explore and evaluate a variety of issues and perspectives suggested by fiction, poetry, drama, essays, and other types of cultural texts. Students will refine and augment the writing techniques they learned in ENGL 1113 or ENGL 1103 to develop well-reasoned, well-structured arguments in a clear, fluid, and engaging prose style.

ENGL 2123 - Introduction to Literature

Prerequisites: Prerequisite or Corequisite: ENGL 1213

3 Credits This course is a study of literary forms and genres, including short story, poetry, drama, and novels. Students will be introduced to literary terminology, critical theories, and a diversity of authors and literary styles. Through various assignments, written and/or oral, students will demonstrate their ability to analyze, evaluate and interpret literary forms.

GEOG 2603 - World Regional Geography

Prerequisites: NONE

3 Credits The student will examine the world's major cultural regions and determine the relationship between the physical environment and economic, social and political conditions.

HIST 1483 - U.S. History to The Civil War

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits After analyzing events in American history from 1400 to 1877 in such areas as revolution, geographic and social mobility, political reform, government precedents and war, students will be able to identify patterns of present day mobility, describe governmental operations in their society and help resolve conflict in society based on the student's search for change, precedents, and conflict in the American past. A general education requirement.

HIST 1493 - U.S. History Since The Civil War

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits After analyzing events in American history from 1870 to the present in such areas as political reform, industrialization, urbanization, ethnic acculturation and war, the student will be able to identify meaningful

changes in his society, identify equal rights in that society, and help resolve conflict in this society based on the students search for change, equal rights and conflicts in the American past.

HUM - Humanities Elective

3 Credits Humanities elective

MATH 1503 - Contemporary Mathematics

Prerequisites: MATH 0403 or adequate math placement test score. Pre or Co-requisite ENGL 1113 or ENGL 1103

3 Credits A study of the mathematics needed for critical evaluation of quantitative information and arguments (including logic, critical appraisal of graphs and tables); use of simple mathematical models, and an introduction to elementary statistics. This course satisfies the computer proficiency requirement.

MATH 1513 - College Algebra for Business, Life Sciences and Social Sciences

Prerequisites: MATH 0403 or adequate math placement test score; ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits The student will demonstrate an understanding of the general concepts of relation and function and specifically of polynomial, exponential, and logarithmic functions; the ability to solve systems of equations by utilizing matrices and determinants; and the ability to solve practical problems using algebra.

MATH 2013 - Introduction to Statistics

Prerequisites: MATH 0403 or adequate math placement test score; ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits The student will solve problems applying the concepts of random sampling, elementary probability, testing hypotheses, descriptive measures, chi-square, regression and correlation, and analysis of variance.

PHYS 1014 - Physical Science

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures and Math 0203 or adequate math placement test score.

4 Credits Students will develop an appreciation for concepts, methods, and applications of the natural sciences in their everyday lives. Students will be able to demonstrate their familiarity with some of the basic principles of chemistry, physics, geology, astronomy, and other physical sciences by (1) indicating how disciplines can work together in

the solution of common problems (2) utilizing physical science methods in their daily lives, describing physical phenomena and predicting the results of common occurrences, and (3) demonstrating the ability to utilize scientific methodologies in a laboratory setting.

POLSC 1113 - American Federal Government

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits A study of the principles, structure, processes and functions of the United States federal government.

PREED ELEC - Pre-Education Electives

15-16 Credits Students should choose 15-16 hours from the faculty guided electives list: MATH 2023 Foundations of Geometry and Measurements (OU, UCO, USAO); MATH 2213 Mathematical Systems (OU, UCO, USAO); GEOL 1064 Earth Science (UCO, USAO); PHYS 1114 College Physics (USAO); CHEM 1115 (USAO); ASTR 1514 (USAO); HIST 1483/1493 (UCO, USAO); SPAN 1115 (OU, UCO, USAO); SPAN 1225 (OU, UCO, USAO); FREN 1115 (OU, UCO, USAO); FREN 1225 (OU, UCO, USAO); GRMN 1115* (OU, UCO, USAO); GRMN 1225** (OU).

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PSY 1113 - Introduction to Psychology

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits A survey of the major areas of study in psychology such as motivation, learning, physiology, personality, social psychology, abnormal behavior, perception, memory, cognition/thought, and treatment.

SCL 1001 - Success in College and Life

Prerequisites: ENGL 0106 or adequate reading/writing assessment scores

1 Credit Students will learn best practices for academic, career, and personal success. Students will discover their individual strengths, interests, and values to create a personalized plan; select and utilize resources that are applicable to their growth and success; and engage as active and responsible members of the academic community. This course should be taken during a student's first semester of college work at Oklahoma City Community College

and is a required course in degree plans to satisfy the Life Skills requirement.

SOC 1113 - Introduction to Sociology

Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures

3 Credits The student will identify the sociological dimensions of human behavior by analyzing the concepts of society, culture, socialization, institutions, social stratification and social change.