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

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| Suggested Freshman 2nd Semester | English Composition II                          | 3       | Gen Ed  |
| ENGL 1213 | American Federal Government                     | 3       | Gen Ed  |
| POLSC 1113 | Physical Science                               | OR      | Gen Ed  |
| PHYS 1014 | General Chemistry I                             | 4-5     | Gen Ed  |
| CHEM 1115 | General Psychology                              | OR      | 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 | Humanities Elective                             | 3       | Gen Ed  |
| HUM          | Intro to Public Speaking                        | 3       | Gen Ed  |
| ENGL 2123   | Pre-Education Electives                         | 6       | Gen Ed  |

| Suggested Sophomore 2nd Semester | 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); GEO 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 General Education ENGL 1113; ENGL 1213; POLSC 1113; HIST 1483; HUM (6 credits); MATH 2013; BIO 1114; COM 2213; GEOG 2603 X X SOC 1113 - OR XXX; PSY 1113 X X PHYS 1014 - OR XXX; CHEM 1115 X X PHYS 1014 XX Support Gen Ed Math: MATH 1513 or MATH 2013 X Gen Ed Math: MATH 1503, MATH 1513, or MATH

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2013 XX Math Elective: MATH 1513 or MATH 2013X  Math Elective: MATH 1503, MATH 1513, or MATH 2013  XX Literature: ENGL 2123 XXX Electives  MATH 2023 XXX MATH 2213 XXX PHYS 1064X PHYS 1064, PHYS 1114 or CHEM 1115, ASTR 1514 XSPAN 1115, FREN 1115, GRMN 1115"+XXXSPAN 1225, FREN 1225, GRMN 1225 X

*(UCO) Recommend Reverse Transfer of PTE-3023 if foreign language competency attained through HS or Competency Test. See faculty Advisor for additional information
+(USAO) Additional Courses may be substituted for USAO if foreign language competency is attained through HS or Competency Test. See faculty advisor

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 3
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 materials 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 1877
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 1877 to Present
Prerequisites: ENGL 0203, adequate placement score, or by meeting determined placement measures
3 Credits After analyzing events in American history from 1877 to the present in such areas as 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.

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 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 1125 (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 - General 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.