



# ASSOCIATE OF SCIENCE EDUCATION

**2023-24 Catalog**

Effective Summer 2023

*The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.*

**1060**

*Arts and Sciences Division*

*Communication, Humanities, Reading, Education, and  
American Sign Language Department*

| Course Number   | Course Title                                      | Credits | Pre- and Co-Requisites                              | Completed Sem./Year |
|---|---|---------|---|---------------------|
| <b>FRESHMAN EXPERIENCE</b>  |   |         |   |                     |
| SSC101  | Student Success Seminar^^                         | 1       | <i>Take first semester</i>                          |                     |
| <b>EDUCATION: 12 credit hours required</b>                                  |   |         |   |                     |
| EDU126  | Educational Technology                            | 3       |   |                     |
| EDU130  | Introduction to the Teaching Profession^++        | 3       | ENG011 <b>or</b> Proficiency                        |                     |
| EDU225  | Exceptional Child++                               | 3       | EDU121, EDU130, <b>or</b> EDU131                    |                     |
| EDU229  | Educational Psychology++                          | 3       | EDU130 <b>or</b> EDU131                             |                     |
| <b>ENGLISH COMPOSITION AND ORAL COMMUNICATIONS: 9 credit hours minimum</b>  |   |         |   |                     |
| ENG124  | College Composition^ ( <b>required</b> )          | 3       | Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency |                     |
| ENG231  | College Composition II ( <b>required</b> )        | 3       | ENG124  |                     |
| ENG221  | Technical Report Writing                          | 3       | ENG124  |                     |
| ENG230  | Business Communication                            | 3       | ENG124  |                     |
| COM121  | Effective Speaking ( <b>required</b> )            | 3       |   |                     |
| COM122  | Interpersonal Communication                       | 3       |   |                     |
| <b>SOCIAL AND BEHAVIORAL SCIENCES: 9 credit hours minimum</b>               |   |         |   |                     |
| PSC121  | U.S. Government and Politics                      | 3       |   |                     |
| SOC121  | Sociology^ ( <b>required</b> )                    | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| SOC225  | Diversity in American Society-( <b>required</b> ) | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| PSY121  | General Psychology^ ( <b>required</b> )           | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| PSY123  | Human Growth and Development                      | 3       | PSY121  |                     |
| PSY124  | Industrial/Organizational Psychology              | 3       |   |                     |
| PSY221  | Abnormal Psychology                               | 3       | PSY121  |                     |
| SOC122  | Society and Technology                            | 3       |   |                     |
| SOC123  | Dynamics of the Family                            | 3       |   |                     |
| BUS122  | Basic Economics^                                  | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| BUS221  | Microeconomics^                                   | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| BUS222  | Macroeconomics^                                   | 3       | IDS102 <b>or</b> Proficiency                        |                     |
| <b>ARTS AND HUMANITIES: 6 credit hours minimum (across two disciplines)</b> |   |         |   |                     |
| ENG233  | British Literature: Med to 1785                   | 3       | ENG124  |                     |
| ENG234  | British Lit: 1785 to Present                      | 3       | ENG124  |                     |
| ENG236  | American Literature: Colonial to 1865             | 3       | ENG124  |                     |
| ENG237  | American Literature: 1865 to Present              | 3       | ENG124  |                     |
| ENG239  | Film Appreciation▲+                               | 3       | ENG124  |                     |
| ENG240  | Women's Literature▲-                              | 3       | ENG124  |                     |
| ENG241  | Major Modern Writers▲+                            | 3       | ENG124  |                     |
| HIS121  | U.S. History I to 1877                            | 3       |   |                     |
| HIS122  | U.S. History II from 1877                         | 3       |   |                     |
| HIS221  | World Civilization to 17 <sup>th</sup> Century    | 3       |   |                     |
| HIS222  | World Civilization from 17 <sup>th</sup> Century  | 3       |   |                     |
| PHL122  | Ethics  | 3       |   |                     |

See footnotes on last page

|   |                    |               |
|---|--------------------|---------------|
| <b>2023-24 Catalog</b><br>Effective Summer 2023 | <h1>EDUCATION</h1> | <h1>1060</h1> |
|---|--------------------|---------------|

| Course Number  | Course Title   | Credits      | Pre- and Co-Requisites  | Completed Sem./Year |
|--|--|--------------|---|---------------------|
| <b>NATURAL SCIENCES: 8 semester credit hours minimum (1 lab course required)</b> |  |              |   |                     |
| BIO121   | Anatomy and Physiology I (lab)^▲   | 4            | BIO101 or Proficiency   |                     |
| BIO122   | Anatomy and Physiology II (lab)  | 4            | BIO121 or BIO123  |                     |
| BIO126   | Science, Energy, and the Environment (lab)   | 4            |   |                     |
| BIO127   | Human Biology (lab)  | 4            |   |                     |
| BIO141   | General Biology I (lab)  | 4            |   |                     |
| BIO142   | General Biology II (lab) ▲+  | 4            |   |                     |
| BIO221   | Principles of Microbiology (lab)   | 4            | BIO122, or BIO123, or BIO127, or BIO141   |                     |
| BIO241   | General Genetics (lab)   | 4            | BIO141  |                     |
| BIO242   | Cell & Molecular Biology (lab)▲+   | 4            | BIO141  |                     |
| CHM100   | Exploring Science and Technology (lab)   | 4            |   |                     |
| CHM101   | Introduction to Chemistry^▲  | 4            | (MTH022 or MTH023 or Proficiency) or MTH105 or MTH107 or Proficiency              |                     |
| CHM123   | General, Organic, and Biological Chemistry (lab)   | 4            | (MTH024 or MTH025 or Proficiency) or MTH105 or MTH107 or (CHM101 or Proficiency)  |                     |
| CHM141   | General Chemistry I (lab)  | 5            | CHM101 or Proficiency   |                     |
| CHM142   | General Chemistry II (lab)   | 5            | CHM141  |                     |
| CHM205   | Forensic Chemistry (lab)   | 4            | CHM105 or CHM121 or CHM141  |                     |
| GEO141   | Physical Geology (lab)   | 4            |   |                     |
| PHY101   | Principles of Physics (lab)^   | 4            | (MTH024 or MTH025 or Proficiency) or MTH105 or MTH107 and (IDS102 or Proficiency) |                     |
| PHY105   | Astronomy (lab)  | 4            |   |                     |
| PHY121   | College Physics I with Algebra (lab)   | 4            | MTH135 or (MTH125 and MTH130) or Proficiency                                      |                     |
| PHY122   | College Physics II with Algebra (lab)  | 4            | PHY121  |                     |
| <b>MATHEMATICS, STATISTICS, AND LOGIC: 3-4 semester credit hours minimum</b>     |  |              |   |                     |
| MTH118   | Quantitative Reasoning   | 3            | Pre-Co-MTH118 or MTH022 or Proficiency  |                     |
| MTH124   | Statistics^  | 3            | MTH022 or Pre-Co-MTH024 or Proficiency  |                     |
| MTH125   | College Algebra^   | 4            | MTH023 or Pre-Co-MTH025 or Proficiency  |                     |
| MTH130   | Trigonometry   | 3            | MTH125  |                     |
| MTH135   | Precalculus^ – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement. | 5            | MTH025 or Proficiency   |                     |
| MTH223   | Analytic Geometry and Calculus I^  | 4            | MTH135 or (MTH125 and MTH130) or Proficiency                                      |                     |
| <b>ADDITIONAL ELECTIVES TO COMPLETE DEGREE*</b>                                  |  | <b>8-17</b>  | <i>Check for prerequisites</i>  |                     |
| <b>TOTAL CREDIT HOURS</b>  |  | <b>60-65</b> |   |                     |

See footnotes on last page.

**ASSOCIATE OF SCIENCE ELECTIVES**

Students should select additional courses from the previous page, choose elective courses from the list below or receive approval from the department chair for other related electives. Please see your academic advisor or transfer institution for assistance with course selection.

| <b>ADDITIONAL EDUCATION, LIBERAL ARTS, MATH AND SCIENCE COURSES*</b> |   |
|--|---|
| <b>Biology</b>   | <b>Early Childhood Education and Intervention Specialist</b>              |
| BIO101 Introduction to Anatomy and Physiology (3)                    | EDU121 Intro to Early Childhood Education (3)++                           |
| BIO123 Principles of Human Structure and Function (lab) (5)          | EDU122 Curriculum Design and Instruction (3)▲+ ++                         |
| BIO124 Human Diseases (3)  | EDU123 Health, Safety, and Nutrition (2)                                  |
| BIO128 Climate Studies (lab)▲+(3)                                    | EDU131 Child Development (3)++  |
| BIO129 Meteorology (lab) (3)   | EDU132 Observation, Assessment, and Group Management (3)++                |
| BIO130 Ocean Studies (lab)▲- (3)                                     | EDU221 Language Arts (3)▲- ++   |
|  | EDU223 Community and Family-based Programs (3)++                          |
| <b>Chemistry</b>   | EDU224 Early Childhood Program Administration (3)                         |
| CHM105 Introduction to Forensic Science (lab) (3)                    | EDU227 Early Childhood Education Practicum and Seminar (3)++▲+(210 Hours) |
|  | EDU228 Phonics for Young Children (3)▲+ ++                                |
| <b>Deaf Education</b>  | EDU232 Literature Across the Curriculum (3)▲- ++                          |
| ASL121 Introduction to the Deaf Culture and Community (3)            | EDU235 Inclusive Classrooms for Young Children (3)++                      |
| ASL122 American Sign Language I (4)                                  |   |
| ASL123 Introduction to Interpreting (3)                              | <b>English Composition and Oral Communication</b>                         |
| ASL124 American Sign Language II (4)                                 | ENG125 Technical Editing and Layout (3)▲+                                 |
| ASL221 American Sign Language III (4)                                | ENG227 Writing for Media (3)  |
| ASL222 ASL Practicum and Seminar (3)                                 | ENG228 Writing for the Web (3)▲-  |
|  | ENG229 Grant Writing (3)  |
| <b>Foreign Language</b>  | ENG235 Introduction to Shakespeare (3)▲+                                  |
| SPN100 Elementary Spanish I (4)                                      | ENG238 Introduction to Creative Writing (3)▲+                             |
| SPN200 Elementary Spanish II (4)▲+                                   | COM123 Small Group Communication (3)                                      |
|  | COM125 Introduction to Communication Theory▲-(3)                          |
| <b>Social and Behavioral Sciences</b>                                | COM126 Introduction to Mass Communication▲+(3)                            |
| PSC122 Introduction to Law and the Legal System (3)                  |   |
| PSC221 State and Local Government (3)                                | <b>Experiential Learning</b>  |
| PSC222 Public Policy (3)   | SSC201 Study Away: Experiential Learning (1)                              |
| SOC221 Social Problems (3)   |   |
| SOC222 Juvenile Delinquency (3)                                      |   |

See footnotes on last page.

**PART-TIME STUDENT ADVISING NOTES**

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for part-time associate degree students who plan to finish in eight semesters.

| <u>First Semester</u>   |   | <u>Credit Hours</u> | <u>Pre- and Co-requisites</u>                       |
|-------------------------|---|---------------------|---|
| SSC101                  | Student Success Seminar^^                                       | 1                   | <i>Take first semester</i>                          |
| EDU130                  | Introduction to the Teaching Profession^++                      | 3                   | ENG011 <b>or</b> Proficiency                        |
| ENG124                  | College Composition^  | <u>3</u>            | Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency |
|                         |   | 7                   |   |
| <u>Second Semester</u>  |   |                     |   |
| EDU126                  | Educational Technology  | 3                   |   |
| PSY121                  | General Psychology^   | 3                   | IDS102 <b>or</b> Proficiency                        |
|                         | <i>Mathematics, Statistics, and Logic Elective</i> <sup>3</sup> | <u>3-4</u>          | <i>Check for prerequisites</i>                      |
|                         |   | <b>9-10</b>         |   |
| <u>Third Semester</u>   |   |                     |   |
| SOC121                  | Sociology^  | 3                   | IDS102 <b>or</b> Proficiency                        |
| COM121                  | Effective Speaking  | <u>3</u>            |   |
|                         |   | <b>6</b>            |   |
| <u>Fourth Semester</u>  |   |                     |   |
| SOC225                  | Diversity in American Society ( <b>required</b> )               | 3                   | IDS102 or Proficiency                               |
| EDU229                  | Educational Psychology++  | 3                   | EDU130 <b>or</b> EDU131                             |
|                         | <i>Additional Elective*</i>                                     | <u>3</u>            | <i>Check for prerequisites</i>                      |
|                         |   | <b>9</b>            |   |
| <u>Fifth Semester</u>   |   |                     |   |
| BIO127                  | Human Biology (lab)   | 4                   |   |
|                         | <i>Arts and Humanities Elective</i> <sup>1</sup>                | <u>3</u>            | <i>Check for prerequisites</i>                      |
|                         |   | <b>7</b>            |   |
| <u>Sixth Semester</u>   |   |                     |   |
| ENG231                  | College Composition II  | 3                   | ENG124  |
| EDU225                  | Exceptional Child++▲+   | 3                   | EDU121, EDU130, <b>or</b> EDU131                    |
|                         | <i>Arts and Humanities Elective</i> <sup>1</sup>                | <u>3</u>            | <i>Check for prerequisites</i>                      |
|                         |   | <b>9</b>            |   |
| <u>Seventh Semester</u> |   |                     |   |
|                         | <i>Natural Science Elective</i> ▲ <sup>2</sup>                  | 4                   | <i>Check for prerequisites</i>                      |
|                         | <i>Additional Elective*</i>                                     | <u>3-5</u>          | <i>Check for prerequisites</i>                      |
|                         |   | <b>7-9</b>          |   |
| <u>Eighth Semester</u>  |   |                     |   |
|                         | <i>Additional Elective*</i>                                     | 3-5                 | <i>Check for prerequisites</i>                      |
|                         | <i>Additional Elective*</i>                                     | <u>3</u>            | <i>Check for prerequisites</i>                      |
|                         |   | <b>6-8</b>          |   |
|                         | <b>TOTAL CREDITS</b>  | <b>60-65</b>        |   |

^Based on SSC placement scores.

^^To promote student success, this course should be taken in the first semester.

++Minimum grade of "C" required.

▲ Because of the strong emphasis on science in this major, applicants must have successfully completed chemistry and biology in high school. Students who did not complete the courses in high school, and those who prefer to refresh their knowledge of the material, should complete the listed pre-requisites.

<sup>1</sup> Arts and Humanities Electives: ENG233, ENG234, ENG236, ENG237, ENG239, ENG240, ENG241, HIS121, HIS122, HIS221, HIS222, PHL122

<sup>2</sup> Natural Science Electives: BIO121, BIO122, BIO126, BIO127, BIO141, BIO142, BIO221, BIO241, BIO242, CHM100, CHM101, CHM123, CHM141, CHM142, CHM205, GEO141, PHY101, PHY105, PHY121, PHY122

<sup>3</sup> Mathematics, Statistics, and Logic Electives: MTH118, MTH124, MTH125, MTH135, MTH223

\*Additional Electives: Based on teacher licensure area of concentration. (See previous page for additional elective options.)

▲-Fall only courses. Please see your academic advisor for availability.

▲+Spring only courses. Please see your academic advisor for availability.