



# 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		

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

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**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.

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<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

## FULL-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 full-time associate degree students who plan to finish in two years.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
ENG124	College Composition^	3	Co-ENG024 <b>or</b> Co-ENG011 <b>or</b> Proficiency
SOC121	Sociology^	3	IDS102 <b>or</b> Proficiency
PSY121	General Psychology^	3	IDS102 <b>or</b> Proficiency
COM121	Effective Speaking	3	
EDU130	Introduction to the Teaching Profession^++	<u>3</u>	ENG011 <b>or</b> Proficiency
		<b>16</b>	
<u>Second Semester</u>			
	<i>Mathematics, Statistics, and Logic Elective</i> <sup>3</sup>	3-4	<i>Check for prerequisites</i>
SOC225	Diversity in American Society ( <b>required</b> )	3	IDS102 <b>or</b> Proficiency
ENG231	College Composition II	3	ENG124
EDU126	Educational Technology	3	
	<i>Additional Elective*</i>	<u>3</u>	<i>Check for prerequisites</i>
		<b>15-16</b>	
<u>Third Semester</u>			
	<i>Arts and Humanities Elective</i> <sup>1</sup>	3	<i>Check for prerequisites</i>
BIO127	Human Biology (lab)	4	
EDU229	Educational Psychology++	3	EDU130 <b>or</b> EDU131
	<i>Additional Elective*</i>	3-5	<i>Check for prerequisites</i>
	<i>Additional Elective*</i>	<u>3</u>	<i>Check for prerequisites</i>
		<b>16-18</b>	
<u>Fourth Semester</u>			
	<i>Arts and Humanities Elective</i> <sup>1</sup>	3	<i>Check for prerequisites</i>
EDU225	Exceptional Child++▲+	3	EDU121, EDU130, <b>or</b> EDU131
	<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>13-15</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.