



# ASSOCIATE OF SCIENCE EDUCATION

**2021 Catalog**  
Effective Summer 2020

*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*

*Education and Social Sciences 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>COMPUTER APPLICATIONS</b>				
EDU126	Educational Technology	3		
<b>WRITTEN &amp; ORAL COMMUNICATION: 9 credit hours minimum</b>				
ENG124	College Composition^ (required)	3	Co-ENG024 or Co-ENG011 or Proficiency	
ENG231	College Composition II (required)	3	ENG124	
ENG221	Technical Report Writing	3	ENG124	
ENG230	Business Communication	3	ENG124	
COM121	Effective Speaking (required)	3		
COM122	Interpersonal Communication	3		
COM123	Small Group Communication	3	IDS102 or Proficiency	
COM125	Introduction to Communication Theory▲-	3	IDS102 or Proficiency	
COM126	Introduction to Mass Communication▲+	3		
<b>SOCIAL &amp; BEHAVIORAL SCIENCES: 9 credit hours minimum</b>				
PSC121	Political Science	3		
PSY121	General Psychology^ (required)	3	IDS102 or Proficiency	
SOC121	Sociology^ (required)	3	IDS102 or Proficiency	
SOC225	Cultural Diversity (required)	3		
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		
SOC221	Social Problems	3	SOC121	
BUS122	Basic Economics^	3	IDS102 or Proficiency	
BUS221	Microeconomics^	3	IDS102 or Proficiency	
BUS222	Macroeconomics^	3	IDS102 or Proficiency	
<b>ARTS &amp; HUMANITIES: 6 credit hours minimum</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	
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		

^Based on SSC placement scores.

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

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

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

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
<b>SCIENCES &amp; MATHEMATICS</b>				
<i><b>Natural Sciences: 8 semester credit hours minimum (1 lab course required)</b></i>				
BIO121	Anatomy and Physiology I (lab) <sup>^▲</sup>	4	BIO101 <b>or</b> Proficiency	
BIO122	Anatomy and Physiology II (lab)	4	BIO121 <b>or</b> BIO123	
BIO126	Science, Energy, and the Environment (lab)	4		
BIO127	Human Biology (lab) <b>(required)</b>	4		
BIO141	General Biology I (lab)	4		
BIO142	General Biology II (lab) <sup>▲+</sup>	4		
BIO221	Principles of Microbiology (lab)	4	BIO122 <b>or</b> BIO123 <b>or</b> BIO141	
CHM100	Exploring Science and Technology (lab)	4		
CHM101	Introduction to Chemistry <sup>^▲</sup>	4	(MTH022 <b>or</b> MTH023 <b>or</b> Proficiency) <b>or</b> MTH105 <b>or</b> MTH107 <b>or</b> Proficiency	
CHM121	Gen., Org., and Bio Chemistry I (lab) <sup>^</sup>	4	(CHM101 <b>or</b> Proficiency) <b>or</b> (MTH024 <b>or</b> MTH025 <b>or</b> Proficiency) <b>or</b> MTH105 <b>or</b> MTH107	
CHM122	Gen., Org., and Bio Chemistry II (lab) <sup>▲+</sup>	4	CHM121	
GEO141	Physical Geology (lab)	4		
PHY101	Principles of Physics (lab) <sup>^</sup>	4	(MTH024 <b>or</b> MTH025 <b>or</b> Proficiency) <b>or</b> MTH105 <b>or</b> MTH107 <b>and</b> (IDS102 <b>or</b> Proficiency)	
PHY105	Astronomy	4		
PHY121	College Physics I with Algebra (lab)	4	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency	
PHY122	College Physics II with Algebra (lab)	4	PHY121	
<i><b>Mathematics: 3-4 semester credit hours minimum</b></i>				
MTH124	Statistics <sup>^</sup>	3	MTH022 <b>or</b> Pre-Co-MTH024 <b>or</b> Proficiency	
MTH125	College Algebra <sup>^</sup>	4	MTH023 <b>or</b> Pre-Co-MTH025 <b>or</b> Proficiency	
MTH135	Precalculus <sup>^</sup> – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	5	MTH025 <b>or</b> Proficiency	
MTH221	Concepts of Calculus <sup>^▲+</sup>	3	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency	
MTH223	Analytic Geometry and Calculus I <sup>^</sup>	4	MTH135 <b>or</b> (MTH125 and MTH130) <b>or</b> Proficiency	
<b>EDUCATION: 9 credit hours required</b>				
EDU130	Introduction to the Teaching Profession <sup>^++</sup>	3	ENG011 <b>or</b> Proficiency	
EDU225	Exceptional Child <sup>++ ▲+</sup>	3	EDU121, EDU130, <b>or</b> EDU131	
EDU229	Educational Psychology <sup>++</sup>	3	EDU130 <b>or</b> EDU131	
<b>ADDITIONAL ELECTIVES TO COMPLETE DEGREE*</b>		<b>12-16</b>	<i>Check for prerequisites</i>	
<b>TOTAL CREDIT HOURS</b>		<b>60-65</b>		

<sup>^</sup>Based on SSC placement scores.

<sup>++</sup>Minimum grade of "C" required.

<sup>▲</sup>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.

\*Based on teacher licensure area of concentration (*see next page*).

<sup>▲+</sup>Spring only courses. Please see your academic advisor for availability.

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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.

<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)
	EDU131 Child Development (3)
<b>Chemistry</b>	EDU132 Observation, Assessment, and Group Management (3)
CHM141 General Chemistry (lab) (5)	EDU221 Language Arts (3)▲-
CHM142 General Chemistry (lab) (5)	EDU223 Community and Family-based Programs (3)
	EDU224 Early Childhood Program Administration (3)
<b>Deaf Education</b>	EDU227 Early Childhood Education Practicum and Seminar (3)
ASL121 Introduction to the Deaf Culture and Community (3)	EDU228 Phonics for Young Children (3)▲+
ASL122 American Sign Language I (4)	EDU232 Literature Across the Curriculum (3)▲-
ASL123 Introduction to Interpreting (3)	EDU235 Inclusive Classrooms for Young Children (3)
ASL124 American Sign Language II (4)	
ASL221 American Sign Language III (4)	<b>English</b>
ASL222 ASL Practicum and Seminar (3)	ENG125 Technical Editing and Layout (3)▲+
	ENG227 Writing for Media (3)
<b>Foreign Language</b>	ENG228 Writing for the Web (3)▲-
SPN100 Elementary Spanish I (4)	ENG229 Grant Writing (3)
SPN200 Elementary Spanish II (4)▲+	ENG235 Introduction to Shakespeare (3)▲+
	ENG238 Introduction to Creative Writing (3)▲+
<b>Social and Behavioral Sciences</b>	ENG239 Film Appreciation (3)▲+
PSC122 Introduction to Law and the Legal System (3)	ENG240 Women's Literature (3)▲-
PSC221 State and Local Government (3)	ENG241 Major Modern Writers (3)▲+
PSC222 Public Policy (3)	
SOC222 Juvenile Delinquency (3)	<b>Experiential Learning</b>
	SSC201 Study Away: Experiential Learning (1)

\*Based on teacher licensure area of concentration.

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

## 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 Elective</i> <sup>3</sup>	3-4	<i>Check for prerequisites</i>
SOC225	Cultural Diversity	3	
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 &amp; 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 &amp; Humanities Elective</i> <sup>1</sup>	3	<i>Check for prerequisites</i>
EDU225	Exceptional Child++▲+	3	EDU121, EDU130, <b>or</b> EDU131
	<i>Natural Sciences 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 & Humanities Electives: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, HIS221, HIS222, PHL122.

<sup>2</sup> Natural Sciences Elective: BIO121, BIO122, BIO126, BIO141, BIO142, BIO221, CHM100, CHM101, CHM121, CHM122, GEO141, PHY101, PHY105, PHY121, PHY122.

<sup>3</sup> Mathematics Electives: MTH124, MTH125, MTH135, MTH221, MTH223

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

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