

## Science, AA&S Degree

Plan 881

### Purpose

The Science AA&S is designed for persons who are interested in transferring into a science or pre-professional baccalaureate program. This program is designed to prepare students for programs with an emphasis on STEM (science, technology, engineering, and math). Scientifically oriented persons are in demand in business, government, industry, and a variety of health professions.

### Program Requirements and Special Conditions

Students must meet ESCC admission requirements. Students must also complete placement tests (or equivalent) in English and mathematics, and scores will be used for appropriate course placement. If students have deficiencies in English and/or mathematics, ESCC offers developmental and prerequisite courses to prepare students for the curriculum. New students should see a counselor and returning students their advisor for more information.

### Program Learning Outcomes

Students will be able to:

- Demonstrate the ability to utilize the scientific method including analysis and drawing conclusions from generated scientific data and be able to present and defend findings.
- Successfully transfer to a four-year college or university.
- Read, write, and analyze effectively across disciplines.
- Recognize and interpret the meaning of quantitative and mathematical symbols appropriate for logic processes to make meaningful decisions and solve problems.

### Program Curriculum and Suggested Sequence of Courses

1 <sup>st</sup> Semester	Credits	Course Details
Science with Lab Elective	4	See Note 1.
ENG 111 College Composition I	3	
History Elective	3	See Note 2.
MTH 161 PreCalculus I	3	
ITE 115 or ITE 119 (Intro to Comp Applications or Information Literacy)	3	
SDV 100 College Success Skills	1	
<b>Total Credits</b>	<b>17</b>	
2 <sup>nd</sup> Semester	Credits	Course Details
Science with Lab Elective	4	See Note 1.
ENG 112 College Composition II	3	
History Elective	3	See Note 2.
PSY 200 or SOC 200 (General Psychology or Intro to Sociology)	3	
MTH 162 PreCalculus II	3	
<b>Total Credits</b>	<b>16</b>	
3 <sup>rd</sup> Semester	Credits	Course Details
CST 110 Introduction to Speech Communications	3	
Humanities Elective	3	See Note 1.
Science with Lab Elective	4	See Note 1.
Health Elective	2	See Note 3.
MTH 263 Calculus I	4	
<b>Total Credits</b>	<b>16</b>	
4 <sup>th</sup> Semester	Credits	Course Details
Science with Lab Elective	4	See Note 1.

MTH 264 College Calculus II	4	
ECO 201 or PLS 211 (Principles of Macroeconomics or US Government I)	3	
Literature Elective	3	See Note 4.
<b>Total Credits</b>	<b>14</b>	
<b>Total Credits For Program</b>	<b>63</b>	

**Notes and Additional Curriculum Options**

1. Eligible courses are listed on page 75 of the 2019-2020 Catalog. Students should take two science sequences, and should consult an advisor to choose the appropriate course(s) based on where students plan to transfer and their intended transfer program.
2. Students may take any History (HIS) course listed as a Social Science Elective on page 75 of the 2019-2020 Catalog.
3. Students may take any course(s) with an HLT prefix. Veterans with documented military experience are waived from this requirement.
4. Students may take any English (ENG) course listed as a Humanities Elective on page 75 of the 2019-2020 Catalog.