

## Science Associate of Science

Texas Southmost College  
Science, Technology, Engineering & Mathematics Division

Graduates from this program are introduced to a broad spectrum of science coursework that can be carried forward to science bachelor degrees as well as to health professions and teacher certification programs. Courses taken in this program may be credited toward bachelor degrees. Students should meet with an academic advisor to select the correct sequence of courses corresponding to the intended bachelor degree. Computer Science students should follow the Associate of Science in Computer Science. Engineering students should meet with an academic advisor for a valid course sequence for engineering programs.

### GENERAL EDUCATION CORE COURSES REQUIRED FOR THE MAJOR

#### 020 - Mathematics<sup>+</sup>

[MATH 2413](#) Calculus I

#### 030 – Life and Physical Sciences

Choose one of the following course sequences:

[BIOL 1306/1106](#) Biology for Science Majors I/Lab I and [BIOL 1307/1107](#) Biology for Science Majors II/Lab II

[CHEM 1311/1111](#) General Chemistry I/Lab I and [CHEM 1312/1112](#) General Chemistry II/Lab II

[PHYS 1301/1101](#) College Physics I/Lab I and [PHYS 1302/1102](#) College Physics II/Lab II

[PHYS 2325/2125](#) University Physics I/Lab I and [PHYS 2326/2126](#) University Physics II/Lab II

#### A. [General Education Core](#)<sup>+</sup> - 42 Hours

#### B. Restricted Electives - 18 Hours

##### 1 - Mathematics Electives - 4 hours

[MATH 2412](#) Pre-Calculus Mathematics or [MATH 2414](#) Calculus II

##### 2 - Science Electives - 14 hours<sup>1</sup> (9 hours must be lecture)

Choose three 4-hour science courses (3 hour lecture must be taken with the corresponding 1 hour lab)

[BIOL 1306/1106](#) Biology for Science Majors I/Lab I

[PHYS 1301/1101](#) College Physics I/Lab I

[BIOL 1307/1107](#) Biology for Science Majors II/Lab

[PHYS 1302/1102](#) College Physics II/Lab II

[CHEM 1311/1111](#) General Chemistry I/Lab I

[PHYS 2325/2125](#) University Physics I/Lab I

[CHEM 1312/1112](#) General Chemistry II/Lab II

[PHYS 2326/2126](#) University Physics II/Lab II

### Total Credit Hours for Graduation - 60

<sup>+</sup> Grade of “C” or better is required for graduation.

A grade of “C” or better is required in ENGL 1301 and MATH 1314 for graduation

<sup>1</sup> The same courses cannot be applied to multiple section of the degree plan.

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must pass all three sections of state-approved test to graduate with this degree.