

## 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.

#### A. General Education Core<sup>+</sup> - 42 Hours

##### 020 – Mathematics<sup>+</sup>

[MATH 1314](#) College Algebra

##### 030 – Life and Physical Sciences<sup>+</sup>

Choose one of the following course sequences:

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

and

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

[CHEM 1311](#) General Chemistry I

and

[CHEM 1312](#) General Chemistry II

[PHYS 1301](#) College Physics I

and

[PHYS 1302](#) College Physics II

[PHYS 2325](#) University Physics I

and

[PHYS 2326](#) University Physics II

#### B. Restricted Electives<sup>+</sup> - 18 Hours

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

[MATH 2412](#) Pre-Calculus Mathematics or [MATH 2413](#) Calculus I

##### 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) and two additional labs must be taken from corresponding lecture courses in the Core.

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

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

[CHEM 1311](#) General Chemistry I

[CHEM 1312](#) General Chemistry II

[PHYS 1301](#) College Physics I

[PHYS 1302](#) College Physics II

[PHYS 2325](#) University Physics I

[PHYS 2326](#) University Physics II

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

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

[CHEM 1111](#) General Chemistry I Lab

[CHEM 1112](#) General Chemistry II Lab

[PHYS 1101](#) College Physics I Lab

[PHYS 1102](#) College Physics II Lab

[PHYS 2125](#) University Physics I Lab

[PHYS 2126](#) University Physics II Lab

#### Total Credit Hours for Graduation - 60

<sup>+</sup> Grade of "C" or better is required in all courses 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.