

ASSOCIATE OF SCIENCE NATURAL SCIENCE EMPHASIS

The Associate of Science degree with an emphasis in natural science focuses on biology, chemistry, geology, physics, or mathematics. This curriculum offers sufficient flexibility for majors in any of these fields and is especially suited to pre-medical or pre-dental majors. Students who intend to transfer to earn a Baccalaureate degree in engineering, computer science, or environmental science should refer to

those specific programs.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 (C) average or better. All courses in this program must be completed with a 'C' or better. Thirty (30) of the last 45 credits must be earned at Southwestern before the

Associate of Science degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (i.e., spring term graduates must apply during winter term).

FALL = 16 CREDITS	(4) Biological Science Course ¹	MTH251 (4) Calculus I (Differential Calculus)	PH211 (5) General Physics with Calculus	WR121 (3) English Composition	
WINTER = 18-19 CREDITS	(3) Arts and Letters/ Social Sciences ²	MTH252 (4) Calculus II (Integral Calculus)	PH212 (5) General Physics with Calculus	WR122 (3) English Composition	(3) - (4) Computer Language Course ³
SPRING = 19 CREDITS	(3) Arts and Letters/ Social Sciences ²	MTH253 (4) Calculus III (Infinite Sequence & Series)	PH213 (5) General Physics with Calculus	WR123 (3) English Composition ⁴	MTH265 (4) Probability and Statistics with Calculus

53-54 CREDITS = FIRST YEAR TOTAL

FALL = 14-18 CREDITS	CHEM221 (5) General Chemistry	(3) Arts and Letters/ Social Sciences ²	(3) - (5) Mathematics/Science Course ⁵	(3) - (5) Mathematics/Science Course ⁵
WINTER = 14-18 CREDITS	CHEM222 (5) General Chemistry	(3) Arts and Letters/ Social Sciences ²	(3) - (5) Mathematics/Science Course ⁵	(3) - (5) Mathematics/Science Course ⁵
SPRING = 14-16 CREDITS	CHEM223 (5) General Chemistry	SP111 (3) Fundamentals of Public Speaking	(3) Health/Fitness Course ⁶	(3) - (5) Mathematics/Science Course ⁵

42-52 CREDITS = SECOND YEAR TOTAL

95-106 CREDITS = TOTAL RECOMMENDED PROGRAM CREDITS

PROGRAM NOTES

¹Select from BI101, BI201, or BI234.

²Arts and Letters/Social Sciences courses must be selected from each of the following areas: Arts and Letters - two courses from: ENG104, ENG105, ENG106, ENG107, ENG108, ENG109, ENG201, ENG202, ENG203, ENG204, ENG205, or ENG206; PHL101 or

PHL102 (not both). Social Sciences - Processes and Institutions, one course from: ANTH103; ECON201, ECON202; PS201, PS202; BI202, BI203; BI231, BI232, BI233; BI234; CS160, CS161, CS162; SOC204, SOC205; Western Culture, one course from: HST101, ENGR201, ENGR202, ENGR203; ENGR211, ENGR212, ENGR213; HST102, HST103, HST201, HST202, HST203.

³One computer language course must be selected from CIS133VB, CS160, CS161, CS162; ENGR112.

⁴WR227 may be substituted for WR123.

⁵Mathematics/Science courses must be selected from: BI201, G201, G202, G203; G146, G207, G220; GS107, GS108; MTH231, MTH232, MTH233, MTH234, MTH235, MTH236, MTH237, MTH238, MTH239, MTH240, MTH241, MTH242, MTH243, MTH244, MTH245, MTH246, MTH247, MTH248, MTH249, MTH250, MTH251, MTH252, MTH253, MTH254, MTH255, MTH256, MTH257, MTH258, MTH259, MTH260.

⁶One Health/Fitness course must be selected from HE250, PE231 or three credits of PE185.