

Chemistry/Physics Associate of Science

Program Summary Associate of Science

The physical sciences challenge critical thinking, teach an understanding of the earth's origin, natural resources, and sustainability. Whether you are interested in astrology, paleontology, geology, or ecology, this program has a variety of courses to get you started toward a four-year degree in the sciences.

AS 3042 Chemistry/Physics Associate of Science		60 Hours	TSI Required
Technical Core Certificate (44 hours)			
Course	Title	Credit hours	
BCIS 1305	Business Computer Applications	3	
ENGL 1301	Composition I	3	
ENGL 1302	Composition II	3	
GOVT 2305	Federal Government	3	
GOVT 2306	Texas Government	3	
HIST 1301	United States History I	3	
HIST 1302	United States History II	3	
SPCH 1315	Public Speaking	3	
	Creative Arts*	3	
	Language, Philosophy and Culture*	3	
	Life and Physical Science Chemistry Pathway: CHEM 1411/Physics Pathway: PHSY 1401	4	
	Life and Physical Science Chemistry Pathway: CHEM 1412/Physics Pathway: PHSY 1402	4	
	Mathematics*	3	
	Social and Behavioral Science*	3	

Chemistry/Physics Elective Courses (16 Hours)		
Course	Title	Credit Hours
CHEM 1411	General Chemistry I	4
CHEM 1412	General Chemistry II	4
CHEM 2423	Organic Chemistry I	4
COSC 1436	Programming Fundamentals I	4
MATH 1316	Plane Trigonometry	3
MATH 2412	Pre-Calculus Math	4
MATH 2413	Calculus I	4
MATH 2414	Calculus II	4
PHYS 2425	University Physics I	4
PHYS 2426	University Physics II	4

*See Core Curriculum for course options

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Year 1: Semester 1

Course	Semester Credit Hours
ENGL 1301 Composition I	3
HIST 1301 United States History I	3
Life and Physical Science**	4
Mathematics*	3/4
SPCH 1315 Public Speaking	3
Total	16/17

Year 1: Semester 2

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
ENGL 1301 Composition I	3
HIST 1302 United States History II	3
Language, Philosophy and Culture*	3
Life and Physical Science**	4
Total	16

Year 2: Semester 1

Course	Semester Credit Hours
GOVT 2305 Federal Government	3
Creative Arts*	3
Chemistry/Physics Pathway Elective**	3
Chemistry/Physics Pathway Elective**	3
Chemistry/Physics Pathway Elective**	3
Total	15

Year 2: Semester 2

Course	Semester Credit Hours
GOVT 2306 Texas Government	3
Social and Behavioral Science*	3
Chemistry/Physics Pathway Elective**	3
Chemistry/Physics Pathway Elective**	3
Chemistry/Physics Pathway Elective**	3
Total	15

*See Core Curriculum for course options

** Dependent on transfer pathway