

# Associate of Science (AS) in Chemistry\*

## EXPECTED CERTIFICATE/DEGREE

### AS in Chemistry (60 sch)

\*Students following this degree plan will be required to pass Computer Competency Exam in order to graduate.

\*\* Please see an academic advisor or Chemistry department chair to discuss degree requirements for your transfer university.

<sup>1</sup> If you cannot take 16-17 hours in the semester, we recommend you take this course in the summer.

## PROGRAM DESCRIPTION

AS CHEM can lead to university transfer for a Bachelor of Science in Chemistry, Biochemistry, or Chemistry with Teaching Certification in Chemistry or Physical Science. AS CHEM is also ideal for students interested in pre medical, dental, pharmacy, or veterinary programs. AS CHEM students interested in these bachelor's degrees must work with an academic advisor or Chemistry department chair to determine transferrable

## 2016-2017 PROGRAM REQUIREMENTS

FIRST SEMESTER	Course Schedule	SCH	Advising Notes:
Communications	ENGL 1301 - Composition I	3	<b>**Meet with an academic advisor or department chair for university specific transfer course.</b>  <b>DO THIS:</b> Meet with academic advisor or department chair to obtain copy of transfer university degree plan and to determine G.P.A. needed to transfer to desired university.
Mathematics	MATH 2413 - Calculus I	4	
Life and Physical Sciences	CHEM 1411 - General Chemistry I	4	
American History	HIST 1301 - United States History I <sup>1</sup>	3	
	<b>Semester Credit Hours</b>	<b>14</b>	
SECOND SEMESTER	Course Schedule	SCH	Advising Notes:
Communications	ENGL 1302 - Composition II	3	<b>**Meet with an academic advisor or department chair for university specific transfer course.</b>  <b>DO THIS:</b> Schedule a campus tour with transfer university.
American History	HIST 1302 - United States History II	3	
Life and Physical Sciences	CHEM 1412 - General Chemistry II	4	
Component Area Option	MATH 2414 - Calculus II	4	
Social and Behavioral Science	Any course from Soc/Behavioral Sci core** <sup>1</sup>	3	
	<b>Semester Credit Hours</b>	<b>17</b>	
THIRD SEMESTER	Course Schedule	SCH	Advising Notes:
Government/Political Science	GOVT 2305 - Federal Government	3	<b>**Meet with an academic advisor or department chair for university specific transfer course.</b>  <b>DO THIS:</b> Confirm courses for completion of AS degree.  <b>DO THIS:</b> Start applying for admission to transfer university, and send first official transcript to transfer university.
Component Area Option	CHEM 2423 - Organic Chemistry I	4	
Major Elective	PHYS 1401 or 2425**	4	
Creative Arts	Any course from Creative Arts core** <sup>1</sup>	3	
	<b>Semester Credit Hours</b>	<b>14</b>	
FOURTH SEMESTER	Course Schedule	SCH	Advising Notes:
Government/Political Science	GOVT 2306 - Texas Government	3	<b>**Meet with an academic advisor or department chair for university specific transfer courses.</b>  ^If you do not take a 4 credit hour course, you will need to take an additional 1 credit hour course to graduate.  <b>DO THIS:</b> Apply for graduation for AS Chemistry and confirm admission to transfer university, and send final official transcript to transfer university at end of
Major Elective	CHEM 2425 - Organic Chemistry II	4	
Major Elective	PHYS 1402 or 2426**	4	
Language, Philosophy, and Culture	Any course from Lang/Phil/Culture core** <sup>1^</sup>	3-4	
Major Elective	1 sch course, if needed for graduation	1	
	<b>Semester Credit Hours</b>	<b>15</b>	
	<b>Total Credit Hours</b>	<b>60</b>	

## CAREER OPPORTUNITIES - All data listed below incorporate Central Texas jobs and entry wages found on <http://texaswages.com/index3.aspx>

### High School Chemistry Teacher

\$52,424

w/Bachelor's Degree + Teacher Certification

### Chemical Technician

\$30,480

w/ Bachelor's Degree

### Chemist

\$37,485

w/Bachelor's Degree

### Pharmacist

\$75,753

w/Doctoral Degree

### Dentist

\$112,134

w/ Doctoral Degree

### Physician/Surgeon

\$130,689

w/ Doctoral Degree

**\*\*\*Important Note: AS CHEM students are strongly encouraged to complete the following courses prior to transfer:**

**MATH 2415**