

# 2017-2018 Associate of Science (AS) in Chemistry\*

## EXPECTED 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 Chemistry (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 coursework.

**Tuition Costs and Scholarship information** for this degree can be found at:  
<http://catalog.templejc.edu/content.php?catoid=9&navoid=365>

Information for **Financial Aid** assistance can be found at:  
<http://templejc.edu/admissions/financial-aid/>

## PROGRAM REQUIREMENTS

FIRST SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1301 - Composition I±	3			**Meet with an academic advisor or department chair for university specific transfer course.
MATH 2413 - Calculus I±	4			±Must successfully complete course in order to progress in the AS CHEM degree.
CHEM 1411 - General Chemistry I±	4			<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.
HIST 1301 - United States History I <sup>1</sup>	3			
<b>Semester Credit Hours</b>	<b>14</b>			
SECOND SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
ENGL 1302 - Composition II	3			**Meet with an academic advisor or department chair for university specific transfer course.
HIST 1302 - United States History II	3			±Must successfully complete course in order to progress in the AS CHEM degree.
CHEM 1412 - General Chemistry II±	4			
MATH 2414 - Calculus II	4			<b>DO THIS:</b> Schedule a campus tour with transfer university.
Any course from Soc/Behavioral Sci core** <sup>1</sup>	3			
<b>Semester Credit Hours</b>	<b>17</b>			
THIRD SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
GOVT 2305 - Federal Government	3			**Meet with an academic advisor or department chair for university specific transfer course.
CHEM 2423 - Organic Chemistry I±	4			±Must successfully complete course in order to progress in the AS CHEM degree.
PHYS 1401 or 2425**±	4			<b>DO THIS:</b> Confirm courses for completion of AS degree, start applying for admission to transfer university, and send first official transcript to transfer university.
Any course from Creative Arts core** <sup>1</sup>	3			
<b>Semester Credit Hours</b>	<b>14</b>			
FOURTH SEMESTER	SCH	Semester Completed	Grade	Notes for Students:
GOVT 2306 - Texas Government	3			**Meet with an academic advisor or department chair for university specific transfer courses.
CHEM 2425 - Organic Chemistry II	4			^If you do not take a 4 credit hour course, you will need to take an additional 1 credit hour course to graduate.
PHYS 1402 or 2426**	4			
Any course from Lang/Phil/Culture core** <sup>1^</sup>	3-4			<b>DO THIS:</b> Apply for graduation for AS Chemistry, confirm admission to transfer university, and send final official transcript to transfer university at end of semester.
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://www.texaswages.com/WDAWages>

**High School Chemistry Teacher**

\$41,779

w/Bachelor's Degree + Teacher Certification

**Chemist**

\$39,719

w/ Bachelor's Degree

**Pharmacist**

\$86,585

w/Doctoral Degree

**Physician/Surgeon**

\$78,605

w/Doctoral Degree

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

**MATH 2415**

**University Transfer Guide for  
2017-2018 Associate of Science in Chemistry**

PROGRAM REQUIREMENTS	Texas State University Bachelor of Science in Chemistry		Check when Completed	Texas A&M-College Station Bachelor of Science in Chemistry		Check when Completed	Tarleton State University Bachelor of Science in Chemistry		Check when Completed
	Temple College	Texas State	✓	Temple College	TAMU	✓	Temple College	Tarleton State	✓
FIRST SEMESTER	ENGL 1301	ENG 1310		ENGL 1301	ENGL 103		ENGL 1301	ENGL 1301	
	MATH 2413	MATH 2471		MATH 2413	MATH 151		MATH 2413	MATH 2413	
	CHEM 1411	CHEM 1311/1141		CHEM 1411	CHEM 101/111		CHEM 1411	CHEM 1411	
	Creative Arts Core	Creative Arts Core <sup>^</sup>		Creative Arts Core	Creative Arts Core <sup>^</sup>		SPCH 1311	COMS 2302 <sup>°</sup>	
SECOND SEMESTER	HIST 1301 <sup>1</sup>	HIST 1310 <sup>1</sup>		HIST 1301 <sup>1</sup>	HIST 105 <sup>1</sup>		HIST 1301 <sup>1</sup>	HIST 1301 <sup>1</sup>	
	ENGL 1302	ENGL 1320		ENGL 1302	ENGL 104		ENGL 1302	ENGL 1302	
	MATH 2414	MATH 2472		MATH 2414	MATH 152		MATH 2414	MATH 2414	
	CHEM 1412	CHEM 1342/1142		CHEM 1412	CHEM 102/112		CHEM 1412	CHEM 1412	
	SPCH 1311	COMM 1310		Lang/Phil/Cult Core	Lang/Phil/Cult Core <sup>^</sup>		Lang/Phil/Cult Core	Lang/Phil/Cult Core <sup>^</sup>	
THIRD SEMESTER	HIST 1302 <sup>1</sup>	HIST 1320 <sup>1</sup>		HIST 1302 <sup>1</sup>	HIST 106 <sup>1</sup>		HIST 1302 <sup>1</sup>	HIST 1302 <sup>1</sup>	
	CHEM 2423	CHEM 2341/2141		CHEM 2423	CHEM 227		CHEM 2423	CHEM 2423	
	PHYS 2425	PHYS 1430		PHYS 2425	PHYS 218		PHYS 1401	PHYS 1401	
	GOVT 2305	POSI 2320		MATH 2415	MATH 253		Creative Arts Core	Creative Arts Core <sup>**^</sup>	
FOURTH SEMESTER	Soc/Beh Sci Core	Soc/Beh Sci Core <sup>^</sup>		GOVT 2305 <sup>1</sup>	POLS 206 <sup>1</sup>		GOVT 2305 <sup>1</sup>	GOVT 2305 <sup>1</sup>	
	CHEM 2425	CHEM 2342/2142		CHEM 2425	CHEM 238		CHEM 2425	CHEM 2425	
	GOVT 2306	POSI 2310		GOVT 2306	POLS 207		GOVT 2306	GOVT 2306	
	PHYS 2426	PHYS 2425		PHYS 2426	PHYS 208		PHYS 1402	PHYS 1402	
	ENGL Literature	ENG Literature <sup>^</sup>		Soc/Beh Sci Core	Soc/Beh Sci Core <sup>^</sup>		Soc/Beh Sci Core	Soc/Beh Sci Core <sup>^</sup>	

**Notes for Students:**

<b>Course Equivalency Guides for all institutions can be found at <a href="https://www.tccns.org/">https://www.tccns.org/</a></b>	
<sup>1</sup> If you cannot take 15-17 hours in the semester, we recommend you take this course in the summer.	
Texas State	<sup>^</sup> Texas State Core Curriculum can be found at <a href="http://www.admissions.txstate.edu/future/transfer/curriculum.html">http://www.admissions.txstate.edu/future/transfer/curriculum.html</a> 1. Must take/pass Computer Competency Exam in order to graduate with AS CHEM. 2. Recommend taking PHIL 2306 prior to transfer.
TAMU College Station	<sup>^</sup> Texas A&M Core Curriculum can be found at <a href="http://core.tamu.edu/">http://core.tamu.edu/</a> 1. Must take/pass Computer Competency Exam in order to graduate with AS CHEM. 2. Recommend completing ENGL 2311 prior to transfer.
Tarleton State	<sup>^</sup> Tarleton State Core Curriculum can be found at <a href="http://www.tarleton.edu/generaleducation/generaleducation/core.html">http://www.tarleton.edu/generaleducation/generaleducation/core.html</a> <sup>**^</sup> Students cannot take ARTS 2356 to meet Creative Arts Core requirements. <sup>°</sup> SPCH 1321 is preferred. 1. Must take/pass Computer Competency Exam in order to graduate with AS CHEM. 2. Recommend completing BIOL 1406, BIOL 1407, and COSC 1301 prior to transfer.