Temple University College of Science & Technology
Associate of Science in Chemistry [Note 1] at Bucks County Community College
to the Bachelor of Arts in Chemistry at Temple University
(Effective Fall 2019)

Bucks County Community College Recommended Course			Temple University Equivalent	
First Semester		***Credits***	***First Semester***	
CHEM 121	Chemistry I	4	CHEM 1031 AND CHEM 1033	General Chemistry I General Chemistry I Laboratory
COLL 101	College Success Seminar	1		*NT, 0 TR, No Equivalency*
COMP 110	English Composition	3	ENG 0802	Analytic Reading And Writing
MATH 125	Precalculus	4	MATH 1022	Precalculus
	Social Science [Note 2]	3		Dependent upon course selection [Note 5]
	Semester Total:	**15**		
Second Semester			***Second Semester***	
CHEM 122	Chemistry II	4	CHEM 1032 AND CHEM1034	General Chemistry II General Chemistry II Laboratory
COMP 111	English Composition II	3	ENG L***	English Lower Level Elective
MATH 140	Calculus I [Note 3]	4	MATH L***	Lower Level Elective
COMM 110	Effective Speaking	3	CSI 1111	Public Speaking
	Semester Total:	**14**		
Third Semester			***Third Semester***	
CHEM 221	Organic Chemistry I	5	CHEM 2201 AND CHEM 2203	Organic Chemistry I Organic Chemistry I Laboratory
PHYS 121	Physics I	4	PHYS 1061	Elementary Classical Physics I
	Electives [Note 3] ***Recommend MATH 141: Calculus II***	4	MATH L***	Lower Level Elective
	Diversity/Arts/Humanities	3		Dependent upon course selection [Note 5]
	Semester Total:	**16**		
Fourth Semester			***Fourth Semester***	
CHEM 222	Organic Chemistry II	5	CHEM 2202 AND CHEM 2204	Organic Chemistry II Organic Chemistry II Laboratory
PHYS 122	Physics II	4	PHYS 1062	Elementary Classical Physics II
	Chemistry Elective [Note 3,4] ***Recommend MATH 242: Calculus III***	4	MATH U***	Upper Level Elective
	Chemistry Elective	3		Dependent upon course selection [Note 5]
	Semester Total:	**16**		
	Total Credits Taken:	**61**		

Notes: *Students following this plan are under the GenEd-to-GenEd General Education program.*

1) Students who transfer to Temple with an A.S. in Chemistry have satisfied the terms of the Temple-Bucks GenEd-to-GenEd transfer agreement and have completed the General Education requirements necessary to graduate from Temple University.
2) Students should NOT select COMM 111, MGMT 100, and MUSC 103 as these courses would not count toward the 90 total CST/CLA credits required to graduate with a BA in Chemistry at Temple.
3) Students should select MATH 141: Calculus II as their elective. MATH 141 transfers to Temple as MATH L*** and satisfies a major requirement. Completion of MATH 140, MATH 141, and MATH 242 in transfer will satisfy MATH 1041 - Calculus I, MATH 1042 - Calculus II, and MATH 2043 – Calculus III requirements in the BA in Chemistry major at Temple University via DARS exception. Students who do not complete this course sequence at Bucks will have additional course requirements remaining at Temple and may need additional time to complete the remaining BA in Chemistry requirements.
4) Students should select MATH 242: Calculus III as one of their Chemistry Electives. MATH 242 transfers to Temple as MATH U*** and satisfies a major requirement. Students transferring without this course may require additional time to degree completion.
5) To see how courses might transfer, consult Temple's Transfer Equivalency Tool: https://tuportal5.temple.edu/apps/tup/Public/TransferRules/ Courses not included in the transfer tool may transfer.

If the suggested classes are successfully completed at Bucks County Community College and an Associate in Science in Chemistry degree is awarded, the remaining four semesters for the ***Bachelor of Arts in Chemistry*** *are as follows:*

Remaining Requirements at Temple University		
Fifth Semester		***Credits***
CHEM 3301	Physical Chemistry Lecture I	3
CLA 2000+	Upper Level Liberal Arts Course	3
FL 1001	Foreign Language 1001 Note b	4
SCTC 2001	CST Transfer Seminar	1
ELECTIVE	Free Elective Credits	4
	Semester Total:	**15**
Sixth Semester		
CHEM 3302	Physical Chemistry Lecture II	3
CHEM 3103	Techniques of Chemical Measurement I	3
CHEM 3105	Introduction to Chemical Research Techniques	1
FL 1002	Foreign Language 1002 Note b	4
ELECTIVE	Free Elective Credits	4
	Semester Total:	**15**
Seventh Semester		
CHEM 4196	Techniques of Chemical Measurement II [WI]	5
CST 2000+	Upper Level Chem/Math/Physics Course (*Residency)*	3
CLA 2000+	Upper Level Liberal Arts Course	3
ELECTIVE	Free Elective Credits	6
	Semester Total:	**17**
Eighth Semester		
CHEM 3397 OR 3398	Physical Chemistry Laboratory I OR II [WI]	2
CST 2000+	Upper Level Chem/Math/Physics Course (*Residency)*	3-4
CLA / CST 2000+	Upper Level Liberal Arts Course *(UL Credits Requirement)*	3-4
ELECTIVE	Free Elective Credits	8-6
	Semester Total:	**16**
	Credits transferred from the A.S. in Chemistry at Bucks:	**60**
	Remaining credits to complete B.A. in Chemistry at Temple:	**63**
	Total Credits Completed to Satisfy the Requirements for B.A. in Chemistry:	**123**

Notes: *Students following this plan are under the GenEd-to-GenEd General Education program.*

a) To earn a CST baccalaureate degree, a student must complete a minimum of 123 credits, including: 90 credits in CST/CLA courses, 45 credits of which must be at the upper level (numbered 2000-4999).
b) All BA candidates are required to demonstrate proficiency through the second level of a foreign language. If foreign language coursework completed at a previous institution transfers to satisfy the foreign language requirement or a placement assessment is completed to demonstrate proficiency beyond the 2nd level of a foreign language, foreign language coursework will be replaced by elective credit. Students should consult with CST advising in these situations to determine elective selection.
c) Temple University requires that all undergraduate degree candidates complete 45 hours of the last 60 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement.
d) Per Temple's Transfer Policy for Permission to Complete a Course at Another Institution after Matriculation, students who transfer 60 credits or more cannot receive permissions to transfer additional course work.

Inquiries about the undergraduate program and application are handled through the Office of Admissions (Phone: 215-204-4900; E-mail: admissions@temple.edu)

Inquiries about the B.A. in *Chemistry* or specific course requirements can be directed to The College of Science & Technology Center for Academic Advising & Professional Development at cstadv@temple.edu