

2020-2021 Chemistry Associate in Science Degree for UC Transfer

Complete the following program of study. (Major C.6400.UCTP) Major requirements (72 Units).

An Associate in Science in Chemistry for UC Transfer is designed for students who plan to complete a bachelor's degree in a similar major at a UC campus. An Associate in Science in Chemistry for UC Transfer develops a student's ability to collect, record, organize, analyze, critically evaluate, and interpret chemical information and data. Within the program a student learns how to apply appropriate theories and techniques, to solve quantitative and qualitative problems. The program involves learning how to use computational and critical thinking skills, applying concept knowledge, and effectively communicating scientific information. These skills and this set of knowledge is valuable to a student transferring to a UC to major in chemistry. It also enhances a student's preparation to go on to earn a graduate degree as well as a wide range of rewarding careers.

Name: _____ **Student ID:** _____ **Date:** _____

Course Overview and Selection

Required Core:

Course	Course Description	Units	C-ID	Completed	In Progress	Planned
CHEM 1A and CHEM 1B	General Chemistry(5) and General Chemistry and Qualitative Analysis(5)	10	CHEM 120S			
CHEM28A & CHEM29A and CHEM28B & CHEM29B	Organic Chemistry I (3) & Organic Chemistry Laboratory I (2) and Organic Chemistry II (3) & Organic Chemistry Laboratory II (2)	10	CHEM 160S			
PHYS 4A and PHYS 4B and PHYS 4C	Physics for Scientists and Engineers and Physics for Scientists and Engineers and Physics for Scientists and Engineers	12	PHYS 200S or PHYS 205& PHYS 210& PHYS 215&			
MATH 5A	Math Analysis I	5				
MATH 5B	Math Analysis II	4				
MATH 6	Math Analysis III	4				
MATH 17	Differential Equations and Linear Algebra	5				

IGETC General Education Requirements

Take one course for each IGETC Area identified below: (refer to IGETC approved courses for Clovis Community College)

Take one course approved for IGETC Area 1A- Freshman Composition:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 1A			

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Faculty Advisor(s): Armstrong, Cao, Dormedy, Fleming, Shamp.

Take one course approved for IGETC AREA 1B- Critical Thinking:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 1B			

Take one course approved for IGETC AREA 3-Arts or Humanities:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 3			

Take one course approved for IGETC AREA 4-Social and Behavioral Science:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 4			

Take one course approved for IGETC AREA 5B-Biological Science:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 5B			

Complete the following refer to IGETC AREA 6 Language other than English: ** see IGETC information:

Course	Course Description	IGETC AREA	Completed	In Progress	Planned
		AREA 6			

** Please note that completing IGETC AREA(s) identified above presume completion of two courses in Area 3 and two courses in Area 4 after transfer to the University of California to complete an entire IGETC pattern. IGETC AREA(s) 2A and 5A, 5C completed in required core.*

Program Learning Outcomes:

Upon successful completion of the Associate in Science in Chemistry for UC Transfer, students will be able to:

1. Correctly communicate chemical compounds by writing appropriate nomenclature and formulas
2. Accurately perform chemical calculations by applying math skills
3. Collect, analyze, and interpret data in a chemistry laboratory setting and have reasonable conclusions

The primary goal of the Associate in Science in Chemistry for UC Transfer is to provide Clovis Community College students with a pathway to seamlessly transfer to a UC to complete a Bachelor's degree in chemistry or a related field of study.

To obtain the Chemistry Associate in Science Degree for UC Transfer Pathway, students must complete the following requirements:

- Completion of the degree required CORE coursework and additional one course for each IGETC AREA; 1A, 1B, 3, 4, 5B, and 6.
- All UC transferable coursework completed with a cumulative GPA of 3.5.

Notes:

- The University of California will have a common understanding of the general education completed by the transfer student and will be responsible for the completion of the general education pattern after transfer.
- Guaranteed admission is to the UC system, not an individual campus.

To see more information on this pathway go to [UC Guaranteed Transfer Pathways in Chemistry and Physics](#)

Comments:

Faculty Advisor(s): Armstrong, Cao, Dormedy, Fleming, Shamp.