

## 2022-2023 Associates in Science in Physics for UC Transfer

Complete the following program of study. (Major C.3665.UCTP) Major requirements (62Units).

The UCTP Physics is a degree for students seeking to transfer to a University of California campus as a physics major. This major will provide students with a full two years of physics education as well as a strong foundation in math and chemistry. Students who complete the UCTP Physics degree (with a minimum 3.5 GPA) will be guaranteed admission to the UC system. Upon completion of college-wide graduation requirements and the required specialized degree courses with at least a 'C' grade in each course, the student will be awarded an Associate of Science degree. Students should consult with a counselor for more information on university admission and transfer requirements, as this degree in physics may not be the best option for students intending to transfer to a particular UC campus or to a college or university that is not part of the UC system.

**Name:** \_\_\_\_\_ **Student ID:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### Course Overview and Selection

#### Required Core:

Course	Course Description	Units	C-ID	Completed	In Progress	Planned
<b>CHEM 1A and CHEM 1B</b>	General Chemistry(5) and General Chemistry and Qualitative Analysis(5)	<b>10</b>	CHEM 120S			
<b>PHYS 4A and PHYS 4B and PHYS 4C</b>	Physics for Scientists and Engineers I and Physics for Scientists and Engineers II and Physics for Scientists and Engineers III	<b>12</b>	PHYS 200S or PHYS 205& PHYS 210& PHYS 215&			
<b>MATH 5A</b>	Math Analysis I	<b>5</b>	MATH 210			
<b>MATH 5B</b>	Math Analysis II	<b>4</b>	MATH 220			
<b>MATH 6</b>	Math Analysis III	<b>5</b>	MATH 230			
<b>MATH 17</b>	Differential Equations and Linear Algebra	<b>5</b>	MATH 910S			

### 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			

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

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

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**Faculty Advisor(s): Abbott, Inan.**

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. Apply the Laws of Physics, physical concepts, and mathematical knowledge to solve problems in physics.
2. Demonstrate skill in scientific communication (both written and oral) by describing the results of laboratory experiments, and by providing other technical information, in a clear and concise manner.
3. Use experimental techniques in the laboratory to obtain accurate and precise data, to validate scientific theories, and to evaluate and properly use scientific instruments.
4. Prepare students for seamless transfer to a UC as a Physics major, or in a related field.
5. Provide students with a core body of knowledge for understanding physics.
6. Prepare students for advanced studies in the field of physics.

To obtain the Physics 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: