

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Davis
2022-2023 General Catalog, Quarter

From: De Anza College
2022-2023 General Catalog, Quarter

Pharmaceutical Chemistry B.S.

INFORMATION AND ADVISORIES

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete Chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the [UC Davis Transfer Admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of Spring term prior to Fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and Mathematics by the end of Fall term prior to enrollment.

REQUIREMENTS FOR ADMISSION:

The Pharmaceutical Chemistry major is selective and requires preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by the close of Spring term prior to Fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall GPA of 2.80 or higher to be competitive candidates for admission to this major. Strive to achieve your highest possible GPA in order to be most competitive. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the selective major course group. It is recommended that candidates have a cumulative GPA of at least 3.00 for the group of courses below that have been completed at the time of application and maintain that GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. (Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC course equivalents).

Complete the following courses and maintain a 3.00 GPA in the entire group of courses:

- Chemistry 002A/B/C or Chemistry 004A/B/C
- Chemistry 118 A/B/C or Chemistry 128A/B/C and 129A/B/C
- Mathematics 016A/B/C or Mathematics 017A/B/C or Mathematics 021A/B/C

Additional Recommended Preparatory Coursework:

- Biological Sciences 002A
- Biological Sciences 002B or 002C
- Physics 007A/B/C or Physics 009A/B/C
- Statistics 013 or 032

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/UC Davis General Education (GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete undergraduate degrees in the College of Letters and Science at UC Davis. For students pursuing a Bachelor of Science degree, IGETC also satisfies the Natural Sciences and Mathematics Area Breadth requirement of the College. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. See additional details about IGETC/GE at ASSIST. The Dean's Office of your undergraduate college at UC Davis determines whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis [General Catalog](#). Quick reference charts for AP and IB are also available [here](#).

MAJOR PREPARATION

- Please carefully review Information and Advisories and Course Articulation Details.

COURSE ARTICULATION DETAILS

- **Important note:** Due to the limitations of the ASSIST platform at this time, it is important to view both the department and major agreements for a complete picture of the articulation arrangements. [Please refer to the appropriate department agreements in conjunction with the major agreement below.](#)
- Please check the UC Transferability Lists on ASSIST for information on any credit limitations.
- **Attention:** Articulation agreements are California Community College *specific*. Lower division courses that are taken at multiple California Community Colleges, including those within a shared district, may articulate differently from what is indicated in the department or major agreements. It is recommended that series courses be completed at the same California Community College. Please contact your California Community College counselor for more information.

PREPARATION COURSES FOR THE MAJOR

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

BIS 002A - Introduction to Biology: Essentials of Life on Earth (5.00) ← **BIOL 6B** - Cell and Molecular Biology (6.00)

BIS 002B - Introduction to Biology: Principles of Ecology & Evolution (5.00) ← **BIOL 6C** - Ecology and Evolution (6.00)

--- Or ---

BIOL 6CH - Ecology and Evolution - HONORS (6.00)

--- Or ---

BIS 002C - Introduction to Biology: Biodiversity & the Tree of Life (5.00) ← **BIOL 6A** - Form and Function in the Biological World (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)

Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

CHE 002A - General Chemistry (5.00) ← **CHEM 1A** - General Chemistry (5.00)

- Effective next fall, this articulation will be revised

--- Or ---

CHEM 1AH - General Chemistry - HONORS (5.00)

- Course is articulated in more than one agreement but credit can only apply to one
- Effective next fall, this articulation will be revised

CHE 002B - General Chemistry (5.00) ← **CHEM 1B** - General Chemistry (5.00)

- Effective next fall, this articulation will be revised

--- Or ---

CHEM 1BH - General Chemistry - HONORS (5.00)

- Course is articulated in more than one agreement but credit can only apply to one
- Effective next fall, this articulation will be revised

CHE 002C - General Chemistry (5.00) ← **CHEM 1C** - General Chemistry and Qualitative Analysis (5.00)

--- Or ---

CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

- Course is articulated in more than one agreement but credit can only apply to one

--- Or ---

CHE 004A - General Chemistry for the Physical Sciences & Engineering (5.00) ← **CHEM 1AH** - General Chemistry - HONORS (5.00)

- Course is articulated in more than one agreement but credit can only apply to one

CHE 004B - General Chemistry for the Physical Sciences & Engineering (5.00) ← **CHEM 1BH** - General Chemistry - HONORS (5.00)

- Course is articulated in more than one agreement but credit can only apply to one

CHE 004C - General Chemistry for the Physical Sciences & Engineering (5.00)



CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

Select 1 Series from the following

Complete entire sequence at same institution prior to transfer

CHE 118A - Organic Chemistry for Health & Life Sciences (4.00)



CHEM 12A - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 118B - Organic Chemistry for Health & Life Sciences (4.00)



CHEM 12B - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 118C - Organic Chemistry for Health & Life Sciences (4.00)



CHEM 12C - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

--- Or ---

CHE 128A - Organic Chemistry (3.00)



CHEM 12A - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 128B - Organic Chemistry (3.00)



CHEM 12B - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 128C - Organic Chemistry (3.00)



CHEM 12C - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 129A - Organic Chemistry Laboratory (2.00)



CHEM 12A - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 129B - Organic Chemistry Laboratory (2.00)



CHEM 12B - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

CHE 129C - Organic Chemistry Laboratory (2.00)



CHEM 12C - Organic Chemistry (5.00)

- *Articulation applies to one series only, or one series plus labs*
- *Lower division credit only*

Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

MAT 016A - Short Calculus (3.00)



MATH 1A - Calculus (5.00)

- *Credit for articulated courses in one series only*

--- Or ---

MATH 1AH - Calculus - HONORS (5.00)

- *Credit for articulated courses in one series only*

MAT 016B - Short Calculus (3.00)	←	MATH 1B - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i> <div>--- Or ---</div> MATH 1BH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
MAT 016C - Short Calculus (3.00)	←	MATH 1C - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i> <div>--- Or ---</div> MATH 1CH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>

--- Or ---

MAT 017A - Calculus for Biology & Medicine (4.00)	←	No Course Articulated
MAT 017B - Calculus for Biology & Medicine (4.00)	←	No Course Articulated
MAT 017C - Calculus for Biology & Medicine (4.00)	←	No Course Articulated

--- Or ---

MAT 021A - Calculus (4.00)	←	MATH 1A - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i> <div>--- Or ---</div> MATH 1AH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
MAT 021B - Calculus (4.00)	←	MATH 1B - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i> <div>--- Or ---</div> MATH 1BH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>
MAT 021C - Calculus (4.00)	←	MATH 1C - Calculus (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i> <div>--- Or ---</div> MATH 1CH - Calculus - HONORS (5.00) <ul style="list-style-type: none"> <i>Credit for articulated courses in one series only</i>

Select 1 Series from the following

Highly recommended to complete the entire series

If the entire sequence is not completed prior to transfer, students must consult an advisor prior to enrollment

Complete entire sequence at same institution prior to transfer

PHY 007A - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00) <div>--- And ---</div> PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>
PHY 007B - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00) <div>--- And ---</div> PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>
PHY 007C - General Physics (4.00)	←	PHYS 2B - General Introductory Physics (5.00) <div>--- And ---</div> PHYS 2C - General Introductory Physics (5.00) <ul style="list-style-type: none"> <i>Complete entire sequence at same institution prior to transfer</i>

--- Or ---

PHY 009A - Classical Physics (5.00)



PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)

PHY 009B - Classical Physics (5.00)



PHYS 4C - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)

PHY 009C - Classical Physics (5.00)



PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

STA 013 - Elementary Statistics (4.00)



MATH 10 - Introductory Statistics (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

MATH 10H - Introductory Statistics - HONORS (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

MATH 17 - Integrated Statistics 2 (5.00)

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

PSYC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: SOC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

SOC 15 - Statistics and Research Methods in Social Science (4.00)

Same-As: PSYC 15

- *Course is articulated in more than one agreement but credit can only apply to one*

--- Or ---

STA 032 - Gateway to Statistical Data Science (4.00)



No Course Articulated

END OF AGREEMENT