

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

Physics 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 a Calculus-based Physics series, a Calculus series through Linear Algebra and Differential Equations, and a formal course in C Programming before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree. As a result, students who expect to graduate in two years will need the recommended courses upon entry.

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 Physics BS 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 (3.20 or higher for TAG applicants).

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 through the transfer academic update filing period. Whether planning for the general application or TAG process, 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).

-Mathematics 021A/B/C/D

-Mathematics 022A/B

-Physics 009A/B/C/D or Physics 009HA/HB/HC/HD/HE

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

- Preparatory subject matter for the [Astrophysics emphasis](#) is the same for that for the Physics BS General Emphasis, in addition

to the course in the "Astrophysics Emphasis" section.

- **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

MAT 021A - Calculus (4.00)	← MATH 1A - Calculus (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1AH - Calculus - HONORS (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only
MAT 021B - Calculus (4.00)	← MATH 1B - Calculus (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1BH - Calculus - HONORS (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only
MAT 021C - Calculus (4.00)	← MATH 1C - Calculus (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only <div>--- Or ---</div> MATH 1CH - Calculus - HONORS (5.00) <ul style="list-style-type: none">• Credit for articulated courses in one series only
MAT 021D - Vector Analysis (4.00)	← MATH 1D - Calculus (5.00) <div>--- Or ---</div> MATH 1DH - Calculus - HONORS (5.00)
MAT 022A - Linear Algebra (3.00)	← MATH 2B - Linear Algebra (5.00) <div>--- Or ---</div> MATH 2BH - Linear Algebra - HONORS (5.00)
MAT 022B - Differential Equations (3.00)	← MATH 2A - Differential Equations (5.00) <div>--- Or ---</div> MATH 2AH - Differential Equations - HONORS (5.00)

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

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)
PHY 009D - Modern Physics (4.00)	← PHYS 4D - Physics for Scientists and Engineers: Modern Physics (6.00)

--- Or ---

PHY 009HA - Honors Physics (5.00)	← No Course Articulated
PHY 009HB - Honors Physics (5.00)	← No Course Articulated
PHY 009HC - Honors Physics (5.00)	← No Course Articulated
PHY 009HD - Honors Physics (5.00)	← No Course Articulated

PHY 009HE - Honors Physics (5.00)



No Course Articulated

PHY 040 - Introduction to Physics Computation (4.00)



No Course Articulated

PHY 080 - Experimental Techniques (4.00)



No Course Articulated

ASTROPHYSICS EMPHASIS

AST 025 - Introduction to Modern Astronomy & Astrophysics (4.00)



No Course Articulated

- *Recommended*

END OF AGREEMENT