

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

Data Science 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. 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:

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.

Effective for Fall 2024 applicants: The Data Science BS major will become selective and require preparatory coursework for admission. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.20 for the selective major course group. It is required that candidates have already achieved the minimum required GPAs in the courses below that have been completed at the time of application and 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 Davis course equivalents. Any required courses that are offered at your current campus must be completed by the close of the 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.

-Engineering Computer Science 032A, 032B

-Mathematics 021A, 021B, 021C

-Mathematics 022A

-Statistics 013 or 035A

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.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <https://ucdcl.ucdavis.edu/> and check with the College of Letters and Science's Undergraduate Education and Advising Office.

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 and bugs on 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

ECS 017 - Data, Logic, & Computing (4.00)	←	No Course Articulated
ECS 032A - Introduction to Programming (4.00)	←	No Course Articulated
ECS 032B - Introduction to Data Structures (4.00)	←	CIS 22C - Data Abstraction and Structures (4.50) <ul style="list-style-type: none"> • <i>Course is articulated in more than one agreement but credit can only apply to one</i> <div>--- Or ---</div> CIS 22CH - Data Abstraction and Structures - HONORS (4.50) <ul style="list-style-type: none"> • <i>Course is articulated in more than one agreement but credit can only apply to one</i>

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>
MAT 022A - Linear Algebra (3.00)	←	MATH 2B - Linear Algebra (5.00) <div>--- Or ---</div> MATH 2BH - Linear Algebra - HONORS (5.00)

STA 035A - Statistical Data Science I (4.00)	←	No Course Articulated
STA 035B - Statistical Data Science II (4.00)	←	No Course Articulated
STA 035C - Statistical Data Science III (4.00)	←	No Course Articulated

END OF AGREEMENT