

Computer Science (B.S.)

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Website: <https://cs.ucdavis.edu>

Recommended First Quarter Schedule

Course	Units
Math Sequence: MAT 21A*	4
ECS Sequence: ECS 32A or 36A**	4
Entry Level Writing Course (ELWR)^ or AH or SS General Education (GE) course	4 – 4.5
GE course or First Year Seminar	1-3
Total Units:	13-15

Alternative Courses

*Alternative MAT course may be required depending on Math Placement Exam results.	3
**ECS Course is dependent on CS placement exam.	4
Take Lower Division English Composition course if ELWR is satisfied	4
^ Students should not take GE or major courses with Writing Experience (WE) until ELWR is satisfied.	
Explore First Year Seminars: https://fys.ucdavis.edu/	

First Quarter Schedule Notes:

- The CS Department recommends no more than 2 major courses in the first quarter.
- Do not take a math, an ECS course, and a lab science in the same quarter.
- Skipping ahead in your math sequence will not affect your time to degree. This is only dependent on ECS courses.
- Do not enroll in upper division courses (numbered 100 or above).

Placement Exams

Required:

Math: All students who register in MAT 12, 16A, 17A, or 21A are required to take the Math Placement Exam and receive a qualifying score.

Computer Science: A qualifying score on the Computer Science Placement Exam is required for enrollment in ECS 36A. Alternatively, students are also eligible for ECS 36A through successful completion of ECS 32A or ECS 10 with a C- grade or higher.

Chemistry: The Chemistry Placement Exam is required for students who choose to take the Chemistry series to fulfill their science series requirement.

Not Required

Foreign Language: The Computer Science major requirements do not require the Foreign Language Placement exam. If you plan to study a foreign language at UC Davis, be sure to review placement requirements prior to enrollment.

Recommended First Year Goals

- Confirm with your advisors about how any transfer coursework or AP/IB scores will apply to your major and/or degree requirements

AP/IB Exams and Major Requirements

AP/IB Exams	Score	UCD Course	Can repeat for credit at UCD?
AP Chemistry	5	CHE 2A	Yes – Can repeat; recommended to take CHE 2A or CHE 2AH
AP Computer Sci A	3, 4, 5	ECS 32A	No—see additional pathway information below
AP Calculus AB	4, 5	MAT 21A	Yes – Can repeat MAT 21A; recommended to take MAT 21A*
AP Calculus BC	5	MAT 21A/B	Yes – Can repeat MAT 21A/B; recommended to take MAT 21B*
AP Calculus BC	3, 4	MAT 21A	Yes – Can repeat MAT 21A; recommended to take MAT 21A*
IB HL Chemistry	7	CHE 2A	Yes – can repeat; recommended to take CHE 2A or CHE 2AH
IB HL Mathematics	6, 7	MAT 21A/B	Yes – can repeat; recommended to take MAT 21B*
IB HL Mathematics, Further	5, 6, 7	MAT 22	Yes – can repeat; recommended to take MAT 22

*Even if students pass the AP/IB mathematics exams, the Computer Science Department recommends students take one class lower than the class they qualify for. For example, if a student passes the AP Calculus AB exam with a 4 or 5, the student can go into MAT 21B, but the department recommends the student to take MAT 21A to create a solid math foundation at UC Davis.

Please note: This chart only covers scores that yield major credit for Computer Science.
For the most up-to-date list of all AP and IB scores and their credit at UC Davis, please refer to the charts available on the UC Davis Admissions website. <https://www.ucdavis.edu/admissions/undergraduate/freshman/exam-requirements>

Additional information:

ECS 32 Series Pathway

Complete the following series:

- ECS 32A, ECS 32B, ECS 32C, and ECS 34

ECS 32 Series Course Restrictions:

- ECS 32A- No credit to students who have completed ECS 30, 32B, 32C, 36A, 36B, 36C, 40, or 60.
- ECS 32B- No credit to students who have completed ECS 36B, 36C, 40, or 60.
- ECS 32C- No credit to students who have completed ECS 36B, 36C, 40, or 60.
- ECS 34- No credit to students who have completed ECS 36B, 36C, 40, or 60.

Note: If you have credit for ECS 32A from the AP Computer Science A exam you may take ECS 32B.

ECS 36 Series Pathway

If you did not place into ECS 36A you can complete the following series or follow ECS 32 Series Pathway above:

- ECS 32A**, ECS 36A, ECS 36B, ECS 36C (**note course restrictions below)

If you placed into ECS 36A, complete the following series:

- ECS 36A, ECS 36B, ECS 36C

ECS 36 Series Course Restrictions:

- ECS 36A- Only 2 units of credit to students who have completed ECS 032A. No credit to students who have completed ECS 32B, 32C, 34, 40, or 60.
- ECS 36B- No credit to students who have completed ECS 32B, 32C, 34, 40, or 60.
- ECS 36C- No credit to students who have completed ECS 32B, 32C, 34, 40, or 60.

Note: If you have credit for ECS 32A from the AP Computer Science A exam, you must still take the CS Placement exam to enroll in ECS 36A. Only 2 units of credit will be granted for ECS 36A if you have received credit for the AP Computer Science A exam.