

Articulation Guide by Major
Effective during the 18-19 Academic Year

===Aerospace Science and Engineering B.S.===

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the

Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at(530)752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====African American and African Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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ONE COURSE FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE
AF-AMST 12	Intro Afro Studies	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

AF-AMST 15	Intro Afro Amer Hum	(4)	NO COMPARABLE COURSE
AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE
AF-AMST 18	Intro Caribbean Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AF-AMST 50	Blk Images Pop Cult	(4)	NO COMPARABLE COURSE
AF-AMST 51	History Af-Amr Dance	(4)	NO COMPARABLE COURSE
AF-AMST 52	Afr Tradit Relig	(4)	NO COMPARABLE COURSE
AF-AMST 80	Black Politics	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
			<u>OR</u>		
			POLS 481	Introduction to Government: United States - Honors	(3)

POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign	(3)
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
N A STD 1	Intro NA Studies	(4)	ETHNS 350	Introduction to Native American Studies	(3)
			<u>OR</u>		
			ETHNS 351	Native American Culture and the Impact of Federal Policy	(3)
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE		
AMR STD 10	Intro American Studies	(4)	NO COMPARABLE COURSE		
A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American Experience in America	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
WOM STD 50	Intro Gender Studies	(4)	WGS 300	Introduction to Women's Studies	(3)

TWO COURSES FROM THE FOLLOWING:

HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED		
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED		
HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)
HISTORY 17B	U.S. History	(4)	HIST 311	History of the United States	(3)
			<u>OR</u>		
			HIST 484	History of the United States - Honors	(3)

4 QUARTER UNITS FROM THE FOLLOWING:

AF-AMST 16	African Verbal Arts	(4)	NO COMPARABLE COURSE		
AF-AMST 51	History Af-Amr Dance	(4)	NO COMPARABLE COURSE		
DRAMART 41A	Beg Jazz Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
DRAMART 41B	Inter Jazz Dance	(2)	NO COMPARABLE COURSE		
DRAMART 44A	Beg Hip Hop Dance	(2-4)	NO COMPARABLE COURSE		
DRAMART 44B	Inter Hip Hop Dance	(2-4)	NO COMPARABLE COURSE		
MUSIC 28	Introduction to African American Music	(4)	MUFHL 309	Introduction to American Popular Music	(3)

END OF MAJOR

====Agricultural & Environmental Education B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			OR		
			HIST 483	History of the United States - Honors	(3)
	OR		OR		
POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
			OR		
			POLS 481	Introduction to Government: United States - Honors	(3)

A MINIMUM OF 8 QUARTER UNITS FROM EACH OF THE FOLLOWING AREAS:

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE		
AN SCI 21	Livestock&Dairy Jdg	(2)	NO COMPARABLE COURSE		
AN SCI 41	Domestic Ani Prod	(2)	NO COMPARABLE COURSE		
ABIOSYT 16	Metal Prop & Fabr	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE		
ABIOSYT 52	Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AGRESEC 15	Pop, Envr, World Agri	(4)	NO COMPARABLE COURSE		
	AND		AND		
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	OR		OR		
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
ENVHORT 1	Intro Envhort/Urb For	(3)	NO COMPARABLE COURSE		
ENVHORT 6	Intro Environ Plants	(4)	NO COMPARABLE COURSE		
PL SCI 5	Plants Gard, Orch & Land	(2)	NO COMPARABLE COURSE		
FORMERLY PLANT BIO 1					
ENV S&P 10	Current Issues in Environment	(3)	BIOL 350	Environmental Biology	(3)
	ENV S&P 10 not open for credit to students who have completed ENV S&P 1				
ENV TOX 10	Intro Environ Toxicology	(3)	NO COMPARABLE COURSE		
HYDRO S 10	Water, Power, Society	(3)	NO COMPARABLE COURSE		
Same as: SCI&SOC 10					
PL SCI 1	Agr Nature & Society	(3)	NO COMPARABLE COURSE		
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PL SCI 49	Org Crop Prod Prac	(3)	NO COMPARABLE COURSE		

VIT-ENO 2	Intro to Viticult	(2)	NO COMPARABLE COURSE
VIT-ENO 3	Intro Winemaking	(3)	NO COMPARABLE COURSE

ALL OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)

j) GEOLOGY 1	The Earth	(4)	GEOL 302	Physical Geology	(4)
GEOLOGY 20	California Geology	(2)	GEOL 345	Geology of California	(3)
SOILSCI 10	Soils in Our Environment	(3)		NO COMPARABLE COURSE	

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
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OR

MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)

OR

			MATH 401	Calculus II	(5)
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OR

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
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MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
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OR

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
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MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
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PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
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			PHYS 360	General Physics	(4)
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PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
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			PHYS 360	General Physics	(4)
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It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

END OF MAJOR

j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====American Studies A.B.====

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.

Transfer Admission Guarantee (TAG) Note:

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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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

AMR STD 10	Intro American Studies	(4)	NO COMPARABLE COURSE
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ONE COURSE FROM THE FOLLOWING:

AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
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AMR STD 1B	Relig in Am Lives	(4)	NO COMPARABLE COURSE
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AMR STD 1C	American Lives	(4)	NO COMPARABLE COURSE
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AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
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AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
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AMR STD 21	Objects & Everyday Life	(4)	NO COMPARABLE COURSE
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AMR STD 25	U.S. as Business Culture	(4)	NO COMPARABLE COURSE
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AMR STD 30	Amr Images Pop Cult	(4)	HUM 332 American Humanities (3)
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AMR STD 55	Food in Amer Culture	(4)	NO COMPARABLE COURSE
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Same as: FD S&T 55

AMR STD 59	Music and American Culture	(4)	MUFHL 309	Introduction to American Popular Music	(3)
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ONE COURSE FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE		
A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American Experience in America	(3)
CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
N A STD 1	Intro NA Studies	(4)	ETHNS 350	Introduction to Native American Studies	(3)
			<u>OR</u>		
			ETHNS 351	Native American Culture and the Impact of Federal Policy	(3)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
WOM STD 50	Intro Gender Studies	(4)	WGS 300	Introduction to Women's Studies	(3)

ONE COURSE FROM THE FOLLOWING:

HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)
HISTORY 17B	U.S. History	(4)	HIST 311	History of the United States	(3)
			<u>OR</u>		
			HIST 484	History of the United States - Honors	(3)
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE		
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING:

ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition and Literature	(3)
			<u>OR</u>		
			ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	(4)
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGLT 310	English Literature I	(3)
e) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGLT 311	English Literature II	(3)
			<u>OR</u>		
			ENGLT 320	American Literature I	(3)
e) ENGLISH 10C	Literatures in English III: 1900	(4)	ENGLT 311	English Literature II	(3)
			<u>OR</u>		

	to Present		ENGLT 321	American Literature	(3)
				II	
FILM ST 1	Intro to Film Studies	(4)	TAFILM 300	Introduction to Film	(3)
				Same as: ENGLT 400	
				<u>OR</u>	
			ENGLT 400	Introduction to Film	(3)
				Same as: TAFILM 300	

Formerly Humanities 10

END OF MAJOR

e) If a student takes ENGLT 311 at Sacramento City College, credit will be given for UC Davis's ENGLISH 10B or ENGLISH 10C, not both.

====Animal Biology B.S.====

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.

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College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	OR		
			CHEM 420	Organic Chemistry I	(5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 420 & CHEM 421	Organic Chemistry I	(5)
				Organic Chemistry II	(5)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life	(3)

			<u>OR</u>	and Social Sciences I	
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
	<u>OR</u>		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
			<u>OR</u>	<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.					

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

AN BIOL 50A	Animal Biol Lab	(2)	NO COMPARABLE COURSE		
AN BIOL 50B	Animal Biology	(3)	NO COMPARABLE COURSE		
AN BIOL 50C	Animal Biology	(3)	NO COMPARABLE COURSE		

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Animal Science and Management B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE	
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE	
<hr/>				
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology (5)
<hr/>				
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I (5)
<hr/>				
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE	
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	
<hr/>				
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE	
	OR		OR	
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE COURSE	
<hr/>				
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics (3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics (3)
<hr/>				
MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting (4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting (4)
<hr/>				
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I (3)
<hr/>				
			OR	
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I (5)
			MATH 351	Calculus for the Life and Social Sciences II (3)
<hr/>				
			OR	
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II (5)
			MATH 351	Calculus for the Life and Social Sciences II (3)
<hr/>				
			OR	
	OR		MATH 401	Calculus II (5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3)

MATH 17B	Calculus for Biosci	(4)	MATH 351	and Social Sciences I Calculus for the Life (3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	and Social Sciences II Calculus for Biology (2)
	OR			and Medicine
MATH 21A	Calculus	(4)	MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II (5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III (5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS SPECIALIZATION

AN SCI 18 Intro Aquaculture (4) | NO COMPARABLE COURSE

COMPANION ANIMALS SPECIALIZATION

AN SCI 42 Intro Comp Ani Bio (4) | NO COMPARABLE COURSE

DAIRY SPECIALIZATION

AN SCI 41 Domestic Ani Prod (2) | NO COMPARABLE COURSE

AN SCI 41L Domest An Prod Lab (2) | NO COMPARABLE COURSE

EQUINE SPECIALIZATION

AN SCI 15 Intro Horse Husb (3) | NO COMPARABLE COURSE

LIVESTOCK SPECIALIZATION

AN SCI 41 Domestic Ani Prod (2) | NO COMPARABLE COURSE

AN SCI 41L Domest An Prod Lab (2) | NO COMPARABLE COURSE

POULTRY SPECIALIZATION

AV SCI 11 Intro Poultry Sci (3) | NO COMPARABLE COURSE

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18 Business Law (4) | NO COMPARABLE COURSE

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

====Animal Science B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE		
AN SCI 41	Domestic Ani Prod	(2)	NO COMPARABLE COURSE		
AN SCI 41L	Domest An Prod Lab	(2)	NO COMPARABLE COURSE		
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
				General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	OR		OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS

Special Advising Note:

additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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<u>EVOLUTIONARY EMPHASIS:</u>					
ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTH 323	Introduction to Archaeology	(3)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 15	Human Life Cycle	(5)	NO COMPARABLE COURSE	
ANTHRO 23	Intr World Prehist	(4)	ANTH 320	Introduction to Archaeology and World Prehistory (3)
ANTHRO 24	Ancient Crops and People	(4)	NO COMPARABLE COURSE	
ANTHRO 50	Evolution and Human Nature	(4)	NO COMPARABLE COURSE	
ANTHRO 54	Intro to Primatology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

ONE COURSE FROM THE FOLLOWING:

ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COMPARABLE COURSE	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics (4)
Same as: STATIST 13Y			<u>OR</u>	
			STAT 480	Introduction to Probability and Statistics - Honors (4)
			<u>OR</u>	
			ECON 310	Economic Statistics (3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

SOCIOCULTURAL EMPHASIS:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)

TWO COURSES FROM THE FOLLOWING:

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTH 323	Introduction to Archaeology	(3)
ANTHRO 4	Anthro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)

SELECT ONE OF THE FOLLOWING TWO OPTIONS:

1) Two additional quarters of the foreign language used to meet the L & S language requirement.

2) Two courses from the following list:

ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ANTHRO 30	Sexualities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ANTHRO 32	Drugs, Science and Culture	(4)	NO COMPARABLE COURSE
Same as: SCI&TEC 32			
ANTHRO 34	Cultures of Consumerism	(4)	NO COMPARABLE COURSE

END OF MAJOR

====Anthropology B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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.

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ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTH 323	Introduction to Archaeology	(3)
<hr/>					
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			<u>OR</u>		
			CHEM 420	Organic Chemistry I	(5)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			<u>OR</u>		
			CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
<hr/>					
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)

MATH 16C	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COMPARABLE COURSE		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Applied Mathematics B.S.====

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. See the [UC Transfer Admission website](http://ucdavis.edu/transfer) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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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.

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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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Recommended Language Preparation Note:

Bachelor of Science degree candidates are advised, but not required, to satisfy the same language requirement as that for a Bachelor of Arts degree candidate, and to fulfill it in French, German or Russian. View the [UC Davis General Catalog](#) for additional information about the Foreign Language and Area Requirements, College of Letters and Science.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

or equivalent basic knowledge of MATLAB.

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		
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NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE		
	Formerly ENG CS 10				
ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

STUDENTS WILL NEED TO CHOOSE ONE OF THE FOLLOWING TWO-COURSE SEQUENCES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology	(5)	BIOL 412 &	Plant Biology	(5)

	& Evolution		BIOL 422	Animal Biology	(5)
	OR			OR	
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
	OR			OR	
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of	(3)
				Microeconomics	
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of	(3)
				Macroeconomics	
	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)
				and Fluids	
			PHYS 420 &	Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)
				and Fluids	
			PHYS 420 &	Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	
	OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
STATIST 100	Applied Stats for Bio Sci	(4)	This course must be taken at UC Davis		

OR

OTHER APPROVED APPLIED PREPARATORY COURSES

END OF MAJOR

====Applied Physics B.S.====

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.

----- Special Advising Note for future applicants:*

Beginning fall 2020, the major applied physics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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).

- Physics 9A/B/C/D or Physics 9HA/HB/HC/HD/HE
- Mathematics 21A/B/C/D
- Mathematics 22A/B

*Information for future applicants is subject to change

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PHYSICS 9A	Classical Physics	(5)	PHYS 410	&	Mechanics of Solids	(5)
					and Fluids	
			PHYS 420	&	Electricity and	(5)
PHYSICS 9B	Classical Physics	(5)			Magnetism	
			PHYS 430		Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9C	Classical Physics	(5)	PHYS 410	&	Mechanics of Solids	(5)
					and Fluids	
			PHYS 420	&	Electricity and	(5)
					Magnetism	
			PHYS 430		Heat, Waves, Light and	(5)
					Modern Physics	

PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE
OR			OR
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)

ATMOSPHERIC PHYSICS CONCENTRATION

PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED
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CHEMICAL PHYSICS CONCENTRATION

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		

COMPUTATIONAL PHYSICS CONCENTRATION

ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30				
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

GEOPHYSICS CONCENTRATION

PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED
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MATERIALS SCIENCE CONCENTRATION

PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED
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PHYSICAL ELECTRONICS CONCENTRATION

ENGIN 17	Circuits I	(4)	ENGR 400	Introduction to Electrical Circuits and Devices	(3)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		
PHYSICS 80	Experimental Techniques	(4)	NO COURSE ARTICULATED		

PHYSICAL OCEANOGRAPHY CONCENTRATION

PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED
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END OF MAJOR

====Art History A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

FOUR COURSES FROM THE FOLLOWING:

ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 304	Ancient Art	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 306 &	Medieval Art	(3)
			ARTH 308	Renaissance Tradition	(3)
				in Art	
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 308 &	Renaissance Tradition	(3)
				in Art	
			ARTH 310	Modern Art	(3)
ARTHI 1D	Arts of Asia	(4)	ARTH 332	Asian Art	(3)
ARTHI 1E	Islamic Art &	(4)	NO COMPARABLE COURSE		
	Architecture				
ARTHI 5	Visual Culture	(4)	NO COMPARABLE COURSE		
ARTHI 25	Understanding	(4)	NO COMPARABLE COURSE		
	Architecture				

ONE ART STUDIO COURSE FROM:

ART 2	Beginning Drawing	(4)	ART 300	Drawing and Composition (3) I
			<u>OR</u>	
			ART 302	Drawing and Composition (3) II
ART 5	Beginning Sculpture	(4)	ART 370	Three Dimensional (3) Design
ART 7	Beginning Painting	(4)	ART 332	Oil Painting (3)
			<u>OR</u>	
			ART 334	Acrylic Painting (3)
			<u>OR</u>	
			ART 336	Watercolor Painting (3)
ART 8	Beginning Ceramic Sculpture	(4)	ART 400	Clay Sculpture (3)
ART 9	Beginning Photography	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
ART 11	Beginning Printmaking	(4)	ART 361	Printmaking: Survey (3)
ART 12	Beginning Video	(4)	NO COMPARABLE COURSE	
ART 24	Intro Experimental Video and Film	(4)	NO COMPARABLE COURSE	
END OF MAJOR				

====Art Studio A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

FOUR COURSES FROM THE FOLLOWING:

ART 2	Beginning Drawing	(4)	ART 300	Drawing and Composition (3) I
			OR	
			ART 302	Drawing and Composition (3) II
ART 5	Beginning Sculpture	(4)	ART 370	Three Dimensional Design (3)
ART 7	Beginning Painting	(4)	ART 332	Oil Painting (3)
			OR	
			ART 334	Acrylic Painting (3)
			OR	
			ART 336	Watercolor Painting (3)
ART 8	Beginning Ceramic Sculpture	(4)	ART 400	Clay Sculpture (3)
ART 9	Beginning Photography	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
ART 11	Beginning Printmaking	(4)	ART 361	Printmaking: Survey (3)
ART 12	Beginning Video	(4)	NO COMPARABLE COURSE	

TWO LECTURE COURSES CHOSEN FROM THE FOLLOWING:

ART 24	Intro Experimental Video and Film	(4)	NO COMPARABLE COURSE	
ART 30	Contemp Vis Culture	(4)	NO COMPARABLE COURSE	
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 304	Ancient Art (3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 306 &	Medieval Art (3)
			ARTH 308	Renaissance Tradition (3) in Art
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 308 &	Renaissance Tradition (3) in Art
			ARTH 310	Modern Art (3)
ARTHI 1D	Arts of Asia	(4)	ARTH 332	Asian Art (3)
ARTHI 1E	Islamic Art & Architecture	(4)	NO COMPARABLE COURSE	
ARTHI 5	Visual Culture	(4)	NO COMPARABLE COURSE	
ARTHI 25	Understanding Architecture	(4)	NO COMPARABLE COURSE	

END OF MAJOR

====Asian American Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American Experience in America	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
A A STD 3	Social & Psychological Perspectives of Asian Americans	(4)	NO COMPARABLE COURSE		
A A STD 4	Asian Amer Cultural Studies	(4)	NO COMPARABLE COURSE		

AT LEAST TWO COURSES FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE	
AF-AMST 12	Intro Afro Studies	(4)	NO COMPARABLE COURSE	
AF-AMST 15	Intro Afro Amer Hum	(4)	NO COMPARABLE COURSE	
AF-AMST 16	African Verbal Arts	(4)	NO COMPARABLE COURSE	
AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE	
AF-AMST 18	Intro Caribbean Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
AF-AMST 50	Blk Images Pop Cult	(4)	NO COMPARABLE COURSE	
AF-AMST 51	History Af-Amr Dance	(4)	NO COMPARABLE COURSE	
AF-AMST 52	Afr Tradit Relig	(4)	NO COMPARABLE COURSE	
AF-AMST 80	Black Politics	(4)	NO COMPARABLE COURSE	
AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE	
AMR STD 1B	Relig in Am Lives	(4)	NO COMPARABLE COURSE	
AMR STD 1C	American Lives	(4)	NO COMPARABLE COURSE	

AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE	
AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE	
AMR STD 10	Intro American Studies	(4)	NO COMPARABLE COURSE	
AMR STD 21	Objects & Everyday Life	(4)	NO COMPARABLE COURSE	
AMR STD 25	U.S. as Business Culture	(4)	NO COMPARABLE COURSE	
AMR STD 30	Amr Images Pop Cult	(4)	HUM 332 American Humanities	(3)
AMR STD 55	Food in Amer Culture	(4)	NO COMPARABLE COURSE	
Same as: FD S&T 55				
AMR STD 59	Music and American Culture	(4)	MUFHL 309 Introduction to American Popular Music	(3)
CHICANO 10	Intro to Chic Std	(4)	ETHNS 340 Chicanos/Mexican Americans in the U.S.	(3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE	
CHICANO 30	US Poli & Chicanos	(4)	NO COMPARABLE COURSE	
CHICANO 40	Comparative Health	(4)	NO COMPARABLE COURSE	
CHICANO 50	Chicano Culture	(4)	ETHNS 341 The Sociology & Psychology of Mexicans and Latinos in the U.S.	(3)
CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COMPARABLE COURSE	
CHICANO 65	New Latin American Cinema	(4)	NO COMPARABLE COURSE	
CHICANO 70	Survey Chic Art	(4)	NO COMPARABLE COURSE	
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE	
N A STD 1	Intro NA Studies	(4)	ETHNS 350 Introduction to Native American Studies	(3)
			<u>OR</u>	
			ETHNS 351 Native American Culture and the Impact of Federal Policy	(3)
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE	
N A STD 7	Indig & Minority Langs	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE	
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE	
N A STD 33	Intro NA Art	(4)	ARTH 325 Native American Art History	(3)
N A STD 34	NA Art Workshop	(4)	NO COMPARABLE COURSE	
WOM STD 20	Cult Repr of Gndr	(4)	NO COMPARABLE COURSE	
WOM STD 25	Gender & Global Cinema	(4)	TAFILM 307 Diversity in American Film	(3)
WOM STD 50	Intro Gender Studies	(4)	WGS 300 Introduction to Women's Studies	(3)
WOM STD 60	Feminist Critiques	(4)	NO COMPARABLE COURSE	
WOM STD 70	Sexual:Thry&Hist	(4)	NO COMPARABLE COURSE	
AT LEAST TWO COURSES FROM THE FOLLOWING METHODS COURSES:				
ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COMPARABLE COURSE	
ARTHI 5	Visual Culture	(4)	NO COMPARABLE COURSE	
ART 10	Fine Art Appreciation	(4)	ARTH 300 Introduction to Art	(3)
ART 30	Contemp Vis Culture	(4)	NO COMPARABLE COURSE	
CHICANO 23	Qualitative Research Methods	(4)	NO COMPARABLE COURSE	
ENGLISH 42	Approaches to Reading	(4)	NO COMPARABLE COURSE	
PHILOS 5	Critical Reasoning	(4)	PHIL 320 Logic and Critical Reasoning	(3)

N A STD 46	Orientation to Research in NAS	(4)	NO COMPARABLE COURSE	
POL SCI 51	Scientific Study of Politics	(4)	NO COMPARABLE COURSE	
PSYCH 41	Research Methods	(4)	PSYC 335 Research Methods in Psychology	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	STAT 300 Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y				
			<u>OR</u>	
			STAT 480 Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>	
			ECON 310 Economic Statistics	(3)

END OF MAJOR

====Atmospheric Science B.S.====

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. See the [UC Transfer Admission website](http://ucdavis.edu/transfer/admission) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
<hr/>					
ENG CS 36A	Programming	(4)	CISP 360	Introduction to	(4)
Formerly ENG CS 30				Structured Programming	
			<u>OR</u>		
			CISP 401	Object Oriented	(4)
				Programming with Java	

or a course selected with advisor's approval

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear	(3)
				Algebra	
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
<hr/>					
ATM SCI 60	Intro to Atmospheric	(4)	NO COMPARABLE COURSE		

Science				
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids (5)
			PHYS 420 &	Electricity and Magnetism (5)
			PHYS 430	Heat, Waves, Light and Modern Physics (5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids (5)
			PHYS 420 &	Electricity and Magnetism (5)
			PHYS 430	Heat, Waves, Light and Modern Physics (5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids (5)
			PHYS 420 &	Electricity and Magnetism (5)
			PHYS 430	Heat, Waves, Light and Modern Physics (5)
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics (4)
Same as: STATIST 13Y			<u>OR</u>	
			STAT 480	Introduction to Probability and Statistics - Honors (4)
			<u>OR</u>	
			ECON 310	Economic Statistics (3)

PREPARATION FOR GRADUATION:

ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving (3)
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END OF MAJOR

====Biochemical Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at

<http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA

of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact

your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

===Biochemistry and Molecular Biology B.S.===

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially
useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 & CHEM 484	General Chemistry II	(5)
				Advanced General Chemistry - Honors	(1)
<hr/>					
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
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PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at

their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

	OR				OR	
PHYSICS 9A	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids and Fluids	(5)
				PHYS 420 &	Electricity and Magnetism	(5)
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids and Fluids	(5)
				PHYS 420 &	Electricity and Magnetism	(5)
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids and Fluids	(5)
				PHYS 420 &	Electricity and Magnetism	(5)
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)

k) CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
				OR		
				CHEM 420	Organic Chemistry I	(5)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
				CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
				OR		
				CHEM 420 &	Organic Chemistry I	(5)
				CHEM 421	Organic Chemistry II	(5)
k) CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
				OR		
				CHEM 421	Organic Chemistry II	(5)
	OR			OR		
k) CHEM 128A	Organic Chemistry	(3)		CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)		CHEM 420 &	Organic Chemistry I	(5)
				CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)		CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)		CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)		CHEM 420 &	Organic Chemistry I	(5)
				CHEM 421	Organic Chemistry II	(5)

		RECOMMENDED:				
MATH 21C	Calculus	(4)		MATH 402	Calculus III	(5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Biological Sciences A.B.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*

Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

Special Note for Transfer Students Considering an A.B. Degree in this Major:

Applicants to majors in the College of Biological Sciences apply to the major, without reference to A.B. or B.S. degrees, which are chosen after enrollment at UC Davis. All majors currently offered in the College of Biological Sciences are selective for purposes of admission; therefore, in order to be considered for admission in this selective major, transfer students who plan to pursue the

A.B. degree MUST also complete Chemistry 2C and additional courses in math. At a minimum, for admission students MUST complete courses comparable to UC Davis's Biological Sciences 2A/B/C; Mathematics 17A/B/C or 21A/B; and Chemistry 2A/B/C. See the following recommended course articulation.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I	(5)
			CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis	(4)

				II	
				<u>OR</u>	
k) CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 420 &	Organic Chemistry I (5)
				CHEM 421	Organic Chemistry II (5)
				CHEM 426	Organic Chemistry with Biological Emphasis II (4)
				<u>OR</u>	
				CHEM 421	Organic Chemistry II (5)

MATH 17A	Calculus for BioSci	(4)		MATH 350	Calculus for the Life and Social Sciences I (3)
MATH 17B	Calculus for Biosci	(4)		MATH 351	Calculus for the Life and Social Sciences II (3)
<u>OR</u>				<u>OR</u>	
MATH 21A	Calculus	(4)		MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 401	Calculus II (5)

PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE	
PHYSICS 1B	Principles Physics	(3)		NO COMPARABLE COURSE	
<u>OR</u>				<u>OR</u>	
PHYSICS 7A	General Physics	(4)		PHYS 350 &	General Physics (4)
PHYSICS 7B	General Physics	(4)		PHYS 360	General Physics (4)
				PHYS 350 &	General Physics (4)
PHYSICS 7C	General Physics	(4)		PHYS 360	General Physics (4)
				PHYS 350 &	General Physics (4)
				PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

RECOMMENDED COURSES FOR THIS MAJOR:

CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry II (5)

MATH 17C	Calculus for BioSci	(4)		MATH 352	Calculus for Biology and Medicine (2)
<u>OR</u>				<u>OR</u>	
MATH 21C	Calculus	(4)		MATH 402	Calculus III (5)

END OF MAJOR

k) **If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.**

====Biological Sciences B.S.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*

Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with

[illegible]

requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Biomedical Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who

have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Biotechnology B.S.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

This 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 transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is required that candidates have already achieved the minimum required GPAs in course(s) from the groups below that have been completed by the time of application and maintain the 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 course equivalents:

Mathematics 16A/B or 17A/B or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A or 2B or 2C (series completion highly recommended)

--A minimum of one course comparable to a UC Davis Biological Sciences 2 series course must be completed with a B grade or higher for admission.

--If multiple courses are required to satisfy one UC Davis Biological Sciences 2 series course, each of those courses must be completed and the GPA for those courses must be 3.00 or higher.

--If courses comparable to two UC Davis Biological Sciences 2 series courses or the entire Biological Sciences 2 series are completed, a group GPA of 2.50 or higher is required.

We strongly encourage you to complete the entire Biological Sciences 2A/B/C series before matriculating to UC Davis, as this series is a prerequisite for many upper-division courses.

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade with no grade less than C:

Organic Chemistry 8A/B or 118A/B/C*

*We strongly encourage students to complete the entire Organic Chemistry 8A/B or 118A/B/C series before matriculating to UC Davis, as the Organic Chemistry 8A/B or 118A/B/C series is a prerequisite for many upper-division courses. For the best transition and reduced time to degree, students should consider completing

all lower-division preparatory coursework shown below.

Transfer students must also meet UC transfer admission requirements. See UC Davis [transfer admission website](#) for details. UC Davis requires that students complete the minimum 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.

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 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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the

A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
BIOTECH 1Y	Introduction to Biotechnology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I	(4)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry II	(5)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
OR			OR		
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
				Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
			MATH 400	Calculus I	(5)

MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
	<u>OR</u>			<u>OR</u>	
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

COURSEWORK FOR BIOINFORMATICS OPTION:

ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
Formerly ENG CS 30			<u>OR</u>		
			CISP 401	Object Oriented Programming with Java	(4)

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
Formerly ENG CS 40					
ENG CS 36C	Data Structures	(4)	CISP 430	Data Structures	(4)
Formerly ENG CS 60					
ENG CS 50	Machine Dependent Prog	(4)	CISP 310	Assembly Language Programming for Microcomputers	(4)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Cell Biology B.S.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*

Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

MATH 21C Calculus (4) | MATH 402 Calculus III (5)

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

Special Advising Note:

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

<http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at(530)752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Chemical Physics B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General	(1)
				Chemistry - Honors	
<hr/>					
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)
				and Fluids	
			PHYS 420 &	Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)
				and Fluids	
			PHYS 420 &	Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)
				and Fluids	
			PHYS 420 &	Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
<hr/>					
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear	(3)
				Algebra	
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)

k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 <u>&</u>	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)

END OF MAJOR

- k) **If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.**

====Chemistry A.B.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also

available from our TAG website.

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 <u>&</u>	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 <u>&</u>	General Chemistry II	(5)
			CHEM 484	Advanced General Chemistry - Honors	(1)
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PHYSICS 7A	General Physics	(4)	PHYS 350 <u>&</u>	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 <u>&</u>	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 <u>&</u>	General Physics	(4)
			PHYS 360	General Physics	(4)
It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.					
	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 <u>&</u>	Mechanics of Solids and Fluids	(5)
			PHYS 420 <u>&</u>	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 <u>&</u>	Mechanics of Solids and Fluids	(5)
			PHYS 420 <u>&</u>	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 <u>&</u>	Mechanics of Solids and Fluids	(5)
			PHYS 420 <u>&</u>	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
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MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology	(2)

OR			and Medicine OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
				Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
				Organic Chemistry II	(5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Chemistry B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

----- **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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19

[General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General Chemistry - Honors	(1)

PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)

k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 129C	Organic Chem Lab	(2)	CHEM 421	Organic Chemistry II	(5)

RECOMMENDED COURSES:

PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
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END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Chemistry B.S. (Applied Chemistry: Environmental Chemistry)====
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General	(1)
				Chemistry - Honors	
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PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at

their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

			OR				OR
PHYSICS 9A	Classical Physics	(5)		PHYS 410	& Mechanics of Solids and Fluids	(5)	
				PHYS 420	& Electricity and Magnetism	(5)	
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)	
PHYSICS 9B	Classical Physics	(5)		PHYS 410	& Mechanics of Solids and Fluids	(5)	
				PHYS 420	& Electricity and Magnetism	(5)	
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)	
PHYSICS 9C	Classical Physics	(5)		PHYS 410	& Mechanics of Solids and Fluids	(5)	
				PHYS 420	& Electricity and Magnetism	(5)	
				PHYS 430	Heat, Waves, Light and Modern Physics	(5)	

MATH 16A	Short Calculus	(3)		MATH 350	Calculus for the Life and Social Sciences I	(3)	
				OR			
				MATH 400	Calculus I	(5)	
MATH 16B	Short Calculus	(3)		MATH 351	Calculus for the Life and Social Sciences II	(3)	
				OR			
				MATH 401	Calculus II	(5)	
MATH 16C	Short Calculus	(3)		MATH 351	Calculus for the Life and Social Sciences II	(3)	
				OR			
				MATH 401	Calculus II	(5)	
	OR			OR			
MATH 17A	Calculus for BioSci	(4)		MATH 350	Calculus for the Life and Social Sciences I	(3)	
MATH 17B	Calculus for Biosci	(4)		MATH 351	Calculus for the Life and Social Sciences II	(3)	
MATH 17C	Calculus for BioSci	(4)		MATH 352	Calculus for Biology and Medicine	(2)	
	OR			OR			
MATH 21A	Calculus	(4)		MATH 400	Calculus I	(5)	
MATH 21B	Calculus	(4)		MATH 401	Calculus II	(5)	
MATH 21C	Calculus	(4)		MATH 402	Calculus III	(5)	

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 402	Cell and Molecular Biology	(5)	

STATIST 13	Elementary Statistics	(4)		STAT 300	Introduction to Probability and Statistics	(4)	
	Same as: STATIST 13Y			OR			
				STAT 480	Introduction to Probability and Statistics - Honors	(4)	
				OR			
				ECON 310	Economic Statistics	(3)	
	OR			OR			
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE			

k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with (4) Biological Emphasis I
			<u>OR</u>	
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I (5)
			CHEM 425 &	Organic Chemistry with (4) Biological Emphasis I
			CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			<u>OR</u>	
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
			CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			<u>OR</u>	
			CHEM 421	Organic Chemistry II (5)
	<u>OR</u>		<u>OR</u>	
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I (5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II (5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I (5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Chemistry B.S. (Applied Chemistry: Forensic Chemistry)====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General	(1)
				Chemistry - Honors	

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
			MATH 400	Calculus I	(5)

MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
	<u>OR</u>		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
<hr/>					
ENV TOX 20	Introduction to Forensic Science	(3)	NO COMPARABLE COURSE		
<hr/>					
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
	<u>OR</u>		<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
<hr/>					
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			<u>OR</u>		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			<u>OR</u>		
			CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			<u>OR</u>		
	<u>OR</u>		CHEM 421	Organic Chemistry II	(5)
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Chicana/Chicano Studies A.B. (Cultural Studies)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
CHICANO 50	Chicano Culture	(4)	ETHNS 341	The Sociology & Psychology of	(3)

Mexicans and Latinos
in the U.S.

CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
	OR		OR
CHICANO 40	Comparative Health	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COMPARABLE COURSE
CHICANO 65	New Latin American Cinema	(4)	NO COMPARABLE COURSE
CHICANO 70	Survey Chic Art	(4)	NO COMPARABLE COURSE
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE
SPANISH 1	Elementary Spanish	(5)	SPAN 401 Elementary Spanish (4)
SPANISH 2	Elementary Spanish	(5)	SPAN 401 & Elementary Spanish (4)
			SPAN 402 Elementary Spanish (4)
SPANISH 3	Elementary Spanish	(5)	SPAN 402 Elementary Spanish (4)
	OR		OR
SPANISH 28	Inter Conversation	(2)	NO COMPARABLE COURSE
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 413 Spanish for Native Speakers I (4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 415 Spanish for Native Speakers II (4)

END OF MAJOR

====Chicana/Chicano Studies A.B. (Social/Policy Studies)====

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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
CHICANO 50	Chicano Culture	(4)	ETHNS 341	The Sociology & Psychology of Mexicans and Latinos in the U.S.	(3)

CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
	OR		OR
CHICANO 40	Comparative Health	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COMPARABLE COURSE
CHICANO 65	New Latin American Cinema	(4)	NO COMPARABLE COURSE
CHICANO 70	Survey Chic Art	(4)	NO COMPARABLE COURSE
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

CHICANO 23	Qualitative Research Methods	(4)	NO COMPARABLE COURSE
PSYCH 41	Research Methods	(4)	PSYC 335 Research Methods in Psychology (3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
SPANISH 1	Elementary Spanish	(5)	SPAN 401 Elementary Spanish (4)
SPANISH 2	Elementary Spanish	(5)	SPAN 401 & Elementary Spanish (4)
			SPAN 402 Elementary Spanish (4)
SPANISH 3	Elementary Spanish	(5)	SPAN 402 Elementary Spanish (4)
	OR		OR
SPANISH 28	Inter Conversation	(2)	NO COMPARABLE COURSE
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 413 Spanish for Native Speakers I (4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 415 Spanish for Native Speakers II (4)

END OF MAJOR

====Chinese A.B.====

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.

Chinese Placement Examination Note:

Students who have studied Chinese previously must take the UC Davis placement examination before enrolling in Chinese language courses at UC Davis. If placement results in duplication of articulated courses below, students might receive only subject credit, not unit credit, for UC Davis courses completed. See information related to [Chinese placement exams](#) and also information regarding [foreign language placement exams](#). For more information, check with your UC Davis College Dean's Office or department advisor upon enrollment.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

x) CHINESE 1	Elem Chinese	(5)	MAND 401	Elementary Mandarin	(4)
x) CHINESE 2	Elem Chinese	(5)	MAND 401 &	Elementary Mandarin	(4)
			MAND 402	Elementary Mandarin	(4)
x) CHINESE 3	Elem Chinese	(5)	MAND 402	Elementary Mandarin	(4)
x) CHINESE 4	Inter Chinese	(5)	MAND 411	Intermediate Mandarin	(4)
x) CHINESE 5	Inter Chinese	(5)	MAND 412	Intermediate Mandarin	(4)
x) CHINESE 6	Inter Chinese	(5)	MAND 412	Intermediate Mandarin	(4)
	OR			OR	
x) CHINESE 1BL	Accl Wrtn Chinese I	(5)	NO COMPARABLE COURSE		

x) CHINESE 2BL	Accl Wrtn Chinese II	(5)	NO COMPARABLE COURSE
x) CHINESE 3BL	Accl Wrtn Chinese III	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1CN	Mand/Cant Spkrs I	(5)	NO COMPARABLE COURSE
x) CHINESE 2CN	Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE
x) CHINESE 3CN	Mand/Cant Spkrs III	(5)	NO COMPARABLE COURSE

RECOMMENDED COURSES FOR THIS MAJOR:

CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE
CHINESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE
Same as: JPNESE 50			
COMPLIT 14	Intro Poetry	(3)	ENGLT 304 Introduction to Poetry (3)
JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE
LINGUIS 1	Intro Linguistics	(4)	ANTH 341 Introduction to Linguistics (3)
HISTORY 9A	East Asian Civ	(4)	HIST 364 & Asian Civilization (3)
			HIST 365 Asian Civilization (3)

END OF MAJOR

x) **Transfer students must take a UC Davis placement exam in Chinese language before enrolling in UC Davis Chinese language courses; duplication of coursework may result.**

====Cinema and Digital Media A.B.====

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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

CINE&TS 12	Media Computation	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	ENG CS 12		
CINE&TS 20	Filmmaking Foundations	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

Select two of the following courses:

CINE&TS 40A	Media History I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	SCI&TEC 40A		
CINE&TS 40B	Media History 2	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	SCI&TEC 40B		
CINE&TS 41A	Cinema Hist 1895-1945	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CINE&TS 41B	Cinema Hist 1945 to the Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
FILM ST 45	Vampires	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	GERMAN 45		

Select two of the following courses:

FILM ST 1	Intro to Film Studies	(4)	TAFILM 300 Introduction to Film (3) Same as: ENGLT 400 OR ENGLT 400 Introduction to Film (3) Same as: TAFILM 300
	Formerly Humanities 10		
TCULST 1	Intro Technocultural Studies	(4)	NO COMPARABLE COURSE
TCULST 5	Media Archaeology	(4)	NO COMPARABLE COURSE

END OF MAJOR

====Civil Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19

[UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Classical Civilization (Classical & Mediterranean) A.B.====
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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more

information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

LATIN 1	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 2	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 3	Intermediate Latin	(5)	NO COMPARABLE COURSE
OR			OR
GREEK 1	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 2	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 3	Intermediate Greek	(5)	NO COMPARABLE COURSE

TWO COURSES FROM THE FOLLOWING:

CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE
CLASSIC 4	Late Antiquity	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE ADDITIONAL COURSE SELECTED FROM:

ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 304 Ancient Art	(3)
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE	
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE	
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE	
CLASSIC 4	Late Antiquity	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CLASSIC 10	Gr, Roman, N East Myth	(3)	NO COMPARABLE COURSE	
CLASSIC 15	Women & Gender in Classical Antiquity	(4)	NO COMPARABLE COURSE	
CLASSIC 20	Pompeii AD 79	(4)	NO COMPARABLE COURSE	
CLASSIC 25	Classical America	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CLASSIC 30	Word Roots	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CLASSIC 31	Technical Word Roots	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CLASSIC 40	Economy in Ancient Med	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CLASSIC 50	Ancient Science	(4)	NO COMPARABLE COURSE	
Same as: SCI&TEC 50				
COMPLIT 1	Major Books-Ancient World	(4)	ENGLT 480 World Literature: Antiquity to the Early Modern World - Honors	(3)
PHILOS 21	Phil Classics: Ancient	(4)	PHIL 330 History of Classical Philosophy	(3)
			OR	
			PHIL 480 History of Classical Philosophy - Honors	(3)
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE	
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE	

END OF MAJOR

====Classical Civilization (Classical Languages & Literature) A.B.====
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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

LATIN 1	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 2	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 3	Intermediate Latin	(5)	NO COMPARABLE COURSE
AND			AND
GREEK 1	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 2	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 3	Intermediate Greek	(5)	NO COMPARABLE COURSE
<hr/>			
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
OR			OR
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE
OR			OR
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE
CLASSIC 4	Late Antiquity	(4)	NO COURSE ARTICULATED: College has not

END OF MAJOR

====Clinical Nutrition B.S.====

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 series in general chemistry and a series in organic chemistry 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with

lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition and Literature	(3)
			OR		
			ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	(4)
	OR			OR	
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking	(3)
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology Animal Biology	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I General Chemistry II	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	OR			OR	
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			OR		
			SOC 481	Social Problems -	(3)

OR			Honors		
ANTHRO 2	Cultural Anthropology	(5)	OR		
			ANTH 310	Cultural Anthropology	(3)
			OR		
			ANTH 481	Honors Cultural Anthropology	(3)
<hr/>					
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)

END OF MAJOR

====Cognitive Science A.B.====

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](http://tag.ucdavis.edu). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
<hr/>					
COG SCI 1	Intro Cognitive Science	(4)	NO COURSE ARTICULATED		
	OR		OR		
PHILOS 10	Intro Cognitive Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
PHILOS 12	Intro to Symbol Logic	(4)	PHIL 325	Symbolic Logic	(3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
<hr/>					
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
<hr/>					
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

END OF MAJOR

====Cognitive Science B.S.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

Emphasis 1: Computational

ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 32A	Intro to Programming Formerly ENG CS 10	(4)	NO COMPARABLE COURSE		
OR			OR		
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
ENG CS 34	UNIX & C++ OR	(5)	NO COURSE ARTICULATED		
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CISP 400	Object Oriented Programming with C++	(4)
ENG CS 50	Machine Dependent Prog	(4)	CISP 310	Assembly Language Programming for Microcomputers	(4)
ENG CS 32B	Intro to Data Structures OR	(4)			
ENG CS 36C	Data Structures Formerly ENG CS 60	(4)	CISP 430	Data Structures	(4)

LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

COG SCI 1	Intro Cognitive Science OR	(4)	NO COURSE ARTICULATED		
			OR		
PHILOS 10	Intro Cognitive Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		

PHILOS 12	Intro to Symbol Logic	(4)	PHIL 325	Symbolic Logic	(3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in	(3)

				Psychology	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
<u>Emphasis 2: Neuroscience</u>					
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
COG SCI 1	Intro Cognitive Science	(4)	NO COURSE ARTICULATED		
<u>OR</u>			<u>OR</u>		
PHILOS 10	Intro Cognitive Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
<u>OR</u>			<u>OR</u>		
PHYSICS 9A	Classical Physics	(5)	PHYS 410 & PHYS 420	Mechanics of Solids and Fluids	(5)
			PHYS 430	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 & PHYS 420	Mechanics of Solids and Fluids	(5)
			PHYS 430	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids	(5)

				and Fluids	
			PHYS 420	<u>&</u> Electricity and	(5)
				Magnetism	
			PHYS 430	Heat, Waves, Light and	(5)
				Modern Physics	

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in	(3)
				Psychology	

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to	(4)
	Same as: STATIST 13Y			Probability and	
				Statistics	
			<u>OR</u>		
			STAT 480	Introduction to	(4)
				Probability and	
				Statistics - Honors	
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

END OF MAJOR

====Communication A.B.====

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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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

<http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ANTHRO 4	Anthro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
	OR			OR	
LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
<hr/>					
COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 321	Interpersonal Communication	(3)
	OR			OR	
COMUNCN 5	Global English Comm	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	Same as: LINGUIS 5				
	OR			OR	
LINGUIS 5	Global English Comm	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	Same as: COMUNCN 5				
<hr/>					
COMUNCN 10Y	Intro to Communication	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
<hr/>					
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE COURSE		

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

	OR			OR	
PHILOS 12	Intro to Symbol Logic	(4)	PHIL 325	Symbolic Logic	(3)
<hr/>					
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
<hr/>					
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
<hr/>					
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)

END OF MAJOR

B) **UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.**

====Community and Regional Development B.S.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of

ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

TWO COURSES FROM THE FOLLOWING:

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
COMPLIT 1	Major Books-Ancient World	(4)	ENGLT 480	World Literature: (3) Antiquity to the Early Modern World - Honors
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 480 &	World Literature: (3) Antiquity to the Early Modern World - Honors
			ENGLT 481	World Literature: (3) Seventeenth Century to Present - Honors
COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 481	World Literature: (3) Seventeenth Century to Present - Honors
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE	COURSE
ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition (3) and Literature
			OR	
			ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE	COURSE
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition (3)
UWRITING 48	Style in the Essay	(4)	ENGWR 302	Advanced Composition (3) and Critical Thinking
	Formerly UWRITING 18			
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE	COURSE
	Formerly UWRITING 19			
CM&RGDE 1	The Community	(4)	NO COMPARABLE	COURSE
CM&RGDE 2	Ethnicity Amer Comm	(4)	ETHNS 300	Introduction to (3) Ethnic Studies
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE	COURSE
	OR		OR	
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE	COURSE

Please note that the community college's computer science courses

may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	OR			OR	
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
	OR		ANTH 481	Honors Cultural Anthropology	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)
	OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
	OR			OR	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

====Comparative Literature A.B.====

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](https://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMPLIT 1	Major Books-Ancient World	(4)	ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors	(3)
	OR			OR	
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 480 &	World Literature: Antiquity to the Early Modern World - Honors	(3)
			ENGLT 481	World Literature: Seventeenth Century to Present - Honors	(3)
COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 481	World Literature: Seventeenth Century to Present - Honors	(3)
	OR			OR	
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE COURSE		

TWO COURSES FROM THE FOLLOWING:

(CANNOT INCLUDE THE TWO REQUIRED COURSES
TAKEN FROM THE COMPARATIVE LITERATURE 1-4 SERIES ABOVE):

COMPLIT 1	Major Books-Ancient World	(4)	ENGLT 480	World Literature: Antiquity to the Early Modern World - Honors	(3)
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 480 &	World Literature: Antiquity to the Early Modern World - Honors	(3)
			ENGLT 481	World Literature:	(3)

COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 481	Seventeenth Century to Present - Honors World Literature: Seventeenth Century to Present - Honors	(3)
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE COURSE		
COMPLIT 5	Fairy Tales, Fables, Parables	(4)	NO COMPARABLE COURSE		
COMPLIT 6	Myths & Legends	(4)	ENGLT 345	Mythologies of the World	(3)
COMPLIT 7	Lit:Fant,Supernatl	(4)	NO COMPARABLE COURSE		
COMPLIT 8	Utopias Transform	(4)	NO COMPARABLE COURSE		
COMPLIT 9	Short Story & Novella	(4)	ENGLT 303	Introduction to the Short Story	(3)
COMPLIT 11	Travel and Modern World	(4)	NO COURSE ARTICULATED:	College has not submitted course(s)for articulation	
Same as: GERMAN 11					
COMPLIT 12	Intro Women Writers	(4)	NO COMPARABLE COURSE		
COMPLIT 13	Dramatic Lit	(3)	NO COMPARABLE COURSE		
COMPLIT 14	Intro Poetry	(3)	ENGLT 304	Introduction to Poetry	(3)
COMPLIT 20	Humans & Natural World	(4)	NO COMPARABLE COURSE		
COMPLIT 24	Animals in Literature	(4)	NO COURSE ARTICULATED:	College has not submitted course(s)for articulation	
COMPLIT 25	Ethnic Writers	(4)	NO COMPARABLE COURSE		
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE		
COMPLIT 53B	Lit of South Asia	(4)	NO COMPARABLE COURSE		
COMPLIT 53C	Lit of the Islamic World	(4)	NO COMPARABLE COURSE		

NOTE: It is recommended that students who do not use a European language toward the major take one of the required lower division courses in the Comparative Literature 53A/B/C-series, preferably the Comparative Literature 53 course that relates to the region of the language the student will use to satisfy the upper division language requirement in the major.

FOREIGN LANGUAGE: SUFFICIENT PREPARATION TO ENSURE SATISFACTORY PERFORMANCE AT THE UPPER DIVISION LEVEL (0-30 QUARTER UNITS)

END OF MAJOR

===Computer Engineering B.S.===

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who

have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Computer Science & Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all

requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

We recommend that Computer Science and Engineering majors have an exposure to UNIX prior to transfer.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

===Computer Science B.S.===

Special Advising Note:

REQUIREMENTS FOR ADMISSION:
(for 2018-19)

This 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 transfer 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 3.40 for each of two course groups. It is recommended that candidates have already achieved the minimum required GPAs in the course(s) from the groups 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:

Mathematics 21A/B/C
Engineering Computer Science (ENG CS) 20, 30, 50,60
(as of F18 courses ENG CS 20, 36A, 50, 36C may be used to fulfill this requirement)

Transfer students must also meet UC transfer admission requirements. See the UC Davis [transfer admission website](#). UC Davis requires that students complete the minimum 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.

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.

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 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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
			<hr/>		
			OR		
MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		

ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30				
			<u>OR</u>		
			CISP 401	Object Oriented Programming with Java	(4)
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				
ENG CS 36C	Data Structures	(4)	CISP 430	Data Structures	(4)
	Formerly ENG CS 60				
ENG CS 50	Machine Dependent Prog	(4)	CISP 310	Assembly Language Programming for Microcomputers	(4)

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

THREE OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General Chemistry - Honors	(1)
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

END OF MAJOR

====Design A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

DESIGN 1	Intro to Design	(4)		NO COMPARABLE COURSE
DESIGN 14	Design Drawing	(4)		ART 300 Drawing and Composition (3)
	OR			I
DESIGN 21	Drafting and Perspective	(4)		OR
				NO COMPARABLE COURSE
DESIGN 15	Form & Color	(4)		ART 320 <u>&</u> Design: Fundamentals (3)
				ART 323 Design: Color Theory (3)
	AND			AND
DESIGN 16	Graphics & The Computer	(4)		NO COMPARABLE COURSE
DESIGN 40A	Energy, Materials, Design	(4)		NO COMPARABLE COURSE
	OR			OR

DESIGN 40B	Ideologies of Design	(4)	NO COMPARABLE COURSE
	OR		OR
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

TWO COURSES FROM THE FOLLOWING:

Note: Courses listed twice may be used only once for major preparation

ART 12	Beginning Video	(4)	NO COMPARABLE COURSE
DESIGN 40A	Energy, Materials, Design	(4)	NO COMPARABLE COURSE
DESIGN 40B	Ideologies of Design	(4)	NO COMPARABLE COURSE
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 50	Intro to 3-D Design	(4)	NO COMPARABLE COURSE
DESIGN 70	Intro Textile Structure	(4)	NO COMPARABLE COURSE
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE

UWRITING 11	Pop Sci & Technol Wrtng	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
UWRITING 12	Writing/Visual Rhetoric	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
UWRITING 48	Style in the Essay	(4)	ENGWR 302 Advanced Composition (3) and Critical Thinking
	Formerly UWRITING 18		OR
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE
	Formerly UWRITING 19		

END OF MAJOR

====East Asian Studies A.B.====

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](http://ucdavis.edu/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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option

from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

HISTORY 9A	East Asian Civ	(4)	HIST 364 & Asian Civilization	(3)
			HIST 365 Asian Civilization	(3)
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

ARTHI 1D	Arts of Asia	(4)	ARTH 332 Asian Art	(3)
CHINESE 7	Chinese Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE	
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE	
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE	
JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE	
JPNESE 25	Language & Culture (in English)	(4)	NO COMPARABLE COURSE	
JPNESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE	
Same as: CHINESE 50				
E ASIAN 88	Korean Society	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
REL STD 75	Introduction to Chinese Philosophy	(4)	NO COMPARABLE COURSE	

TWO COURSES (OR THE EQUIVALENT) OF EAST ASIAN LANGUAGE STUDY:

x) CHINESE 1	Elem Chinese	(5)	MAND 401 Elementary Mandarin	(4)
x) CHINESE 2	Elem Chinese	(5)	MAND 401 & Elementary Mandarin	(4)
			MAND 402 Elementary Mandarin	(4)
	OR		OR	
y) JPNESE 1	Elem Japanese	(5)	JAPAN 402 Elementary Japanese	(4)
			OR	
			JAPAN 411 Intermediate Japanese	(4)
y) JPNESE 2	Elem Japanese	(5)	JAPAN 412 Intermediate Japanese	(4)

END OF MAJOR

- x) **Transfer students must take a UC Davis placement exam in Chinese language before enrolling in UC Davis Chinese language courses; duplication of coursework may result.**
- y) **Transfer students must take a UC Davis placement exam in Japanese language before enrolling in UC Davis Japanese language courses; duplication of credit may result.**

====Ecological Management and Restoration B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in

English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
				General Chemistry II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	OR		OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

PREPARATION FOR GRADUATION:

SCI&SOC 18 GIS & Society (3) | NO COURSE ARTICULATED: College has not
| submitted course(s) for articulation

END OF MAJOR

====Economics A.B.====

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.

Beginning fall 2021, the major economics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall transfer 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. Transfer students must complete courses comparable to the following UC Davis courses with a GPA of at least 3.0 for the course group. Additionally, transfer applicants must have already achieved the required GPA in any of these courses that have been completed at the time the transfer academic update is submitted. 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).

- Mathematics 16A/B/C or Mathematics 17A/B/C or Mathematics 21A/B/C
- Economics 1A/B

We also strongly recommend that Economics applicants also complete coursework comparable to the following UC Davis course with a C or better grade before matriculating to UC Davis:

- Statistics 13

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
<hr/>					
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
	<u>OR</u>		<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
<hr/>					
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

STUDENTS CONSIDERING GRADUATE STUDY IN ECONOMICS ARE STRONGLY URGED TO TAKE MATHEMATICS 21A/B/C AND 22A

MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)

END OF MAJOR

====Electrical Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at

<http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====English A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option

from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition (3) and Literature
			<u>OR</u>	
			ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
	<u>OR</u>		<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition (3)
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGLT 310	English Literature I (3)
e) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGLT 311	English Literature II (3)
			<u>OR</u>	
			ENGLT 320	American Literature I (3)
e) ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGLT 311	English Literature II (3)
			<u>OR</u>	
			ENGLT 321	American Literature II (3)

ONE COURSE FROM THE FOLLOWING:

ENGLISH 40	Intro Topics in Lit	(4)	ENGLT 360	Women in Literature (3)
ENGLISH 41	Intro Topics Lit & Media	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
ENGLISH 43	Intro Topics in Drama	(4)	NO COMPARABLE COURSE	
ENGLISH 44	Intro Topics in Fiction	(4)	NO COMPARABLE COURSE	
ENGLISH 45	Intro Topics in Poetry	(4)	ENGLT 304	Introduction to Poetry (3)

END OF MAJOR

e) If a student takes ENGLT 311 at Sacramento City College, credit will be given for UC Davis's ENGLISH 10B or ENGLISH 10C, not both.

====Entomology B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I	(4)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 420 & CHEM 421	Organic Chemistry I	(5)
				Organic Chemistry II	(5)
<hr/>					
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
			MATH 401	Calculus II	(5)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE
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STATIST 13	Elementary Statistics	(4)	STAT 300 Introduction to (4)
Same as: STATIST 13Y			Probability and Statistics
			<u>OR</u>
			STAT 480 Introduction to (4)
			Probability and Statistics - Honors
			<u>OR</u>
			ECON 310 Economic Statistics (3)
<u>OR</u>			<u>OR</u>
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE
<u>OR</u>			<u>OR</u>
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE

====Environmental Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those

identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

END OF MAJOR

====Environmental Horticulture and Urban Forestry B.S.====
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ENVHORT 1	Intro Envhort/Urb For	(3)	NO COMPARABLE COURSE
ENVHORT 6	Intro Environ Plants	(4)	NO COMPARABLE COURSE

LND ARC 30	History Environ Design	(4)	NO COMPARABLE COURSE	
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology (5) Animal Biology (5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I (5) General Chemistry II (5)
ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE	
OR			OR	
ENV S&P 10	Current Issues in Environment	(3)	BIOL 350	Environmental Biology (3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1				
OR			OR	
ENV S&P 30	Global Ecosystem	(3)	GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes (3)
Same as: ENV SC&M 30				
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE	
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE	
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE	
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I (3)
OR			MATH 400	Calculus I (5)
OR			OR	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics (4)
Same as: STATIST 13Y				
OR			STAT 480	Introduction to Probability and Statistics - Honors (4)
OR			ECON 310	Economic Statistics (3)

Select one lower division resource science course and one lower division social science/humanities course for a minimum of six quarter units in consultation with advisor

URBAN LANDSCAPE MANAGEMENT OPTION

SCI&SOC 18	GIS & Society	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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RECOMMENDED COURSES:

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking (3)
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END OF MAJOR

===Environmental Policy Analysis & Planning B.S.===

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the

A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
	OR			OR
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 321	Interpersonal (3) Communication
	OR			OR
DRAMART 10	Intro To Acting	(4)	TA 342	Introduction to Acting (3)
			OR	
			TA 350	Theory and Techniques of (3) Acting I

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular (5) Biology
	OR			OR
BIOLSCI 10	Everyday Biology	(4)	BIOL 305	Natural History (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I (5)
	OR			OR
CHEM 10	Concept of Chem	(4)	CHEM 330	Adventures in (4) Chemistry

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE	
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BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology (5) Animal Biology (5)
	OR			OR
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I (5) General Chemistry II (5)
	OR			OR
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE	
	OR			OR
SCI&SOC 18	GIS & Society	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of (3) Microeconomics
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of (3) Macroeconomics

ONE COURSE FROM THE FOLLOWING:

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE	
ATM SCI 60	Intro to Atmospheric	(4)	NO COMPARABLE COURSE	

Science				
j) GEOLOGY 1	The Earth	(4)	GEOL 302	Physical Geology (4)
PL SCI 12	Plants and Society	(4)	NO COMPARABLE COURSE	
Same as: SCI&SOC 12				
FORMERLY PLANT BIO 12				
W&F BIO 51	Intro to Conservation Biology	(3)	NO COMPARABLE COURSE	

ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE	

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life (3) and Social Sciences I
			<u>OR</u>	
			MATH 400	Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
			MATH 401	Calculus II (5)
<u>OR</u>			<u>OR</u>	
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3) and Social Sciences I
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II
<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II (5)

POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to (3) Government: United States
			<u>OR</u>	
			POLS 481	Introduction to (3) Government: United States - Honors

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to (4) Probability and Statistics
Same as: STATIST 13Y			<u>OR</u>	
			STAT 480	Introduction to (4) Probability and Statistics - Honors
			<u>OR</u>	
			ECON 310	Economic Statistics (3)
<u>OR</u>			<u>OR</u>	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

CLIMATE CHANGE POLICY AREA:				
SCI&SOC 25	Global Climate Change	(3)	NO COMPARABLE COURSE	

END OF MAJOR

j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====Environmental Science and Management B.S.====
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 321	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	TA 342	Introduction to Acting	(3)
			OR		
			TA 350	Theory and Techniques of Acting I	(3)

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

j) GEOLOGY 1	The Earth	(4)	GEOL 302	Physical Geology	(4)
	OR			OR	
c) GEOLOGY 50	Physical Geology	(3)	GEOL 302	Physical Geology	(4)
j)					

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life	(3)

					and Social Sciences I	
				<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)	
			MATH 351	Calculus for the Life and Social Sciences II	(3)	
				<u>OR</u>		
			MATH 401	Calculus II	(5)	
	<u>OR</u>			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)	
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)	
	<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)	
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)	
ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE			

RECOMMENDED COURSES FOR THIS MAJOR:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)	
	<u>OR</u>			<u>OR</u>		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 & CHEM 484	General Chemistry II Advanced General Chemistry - Honors	(5) (1)	

PREPARATION FOR GRADUATION:

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)	
	Same as: STATIST 13Y					
			<u>OR</u>			
			STAT 480	Introduction to Probability and Statistics - Honors	(4)	
			<u>OR</u>			
			ECON 310	Economic Statistics	(3)	

ECOLOGY, BIODIVERSITY, AND CONSERVATION TRACK:

ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE			
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CLIMATE CHANGE AND AIR QUALITY TRACK:

ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE			
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WATERSHED SCIENCE TRACK:

HYDRO S 10	Water, Power, Society	(3)	NO COMPARABLE COURSE			
	Same as: SCI&SOC 10					
GEOLOGY 35	Rivers	(3)	NO COMPARABLE COURSE			
LND ARC 60	Landform Grading Studio	(6)	NO COMPARABLE COURSE			

END OF MAJOR

j) If a student takes GEOL 302 at Sacramento City College, credit will be

given for UC Davis's GEOLOGY 1 or 50+50L, not both.

- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.

====Environmental Toxicology B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 & CHEM 484	General Chemistry II	(5)
				Advanced General Chemistry - Honors	(1)

k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry II	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
OR			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)

			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life	(3)
				and Social Sciences I	
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life	(3)
				and Social Sciences II	
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology	(2)
				and Medicine	
	OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

----- END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Evolution, Ecology & Biodiversity A.B.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially
useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

Special Note for Transfer Students Considering an A.B. Degree in this Major:

Applicants to majors in the College of Biological Sciences apply to the major, without reference to A.B. or B.S. degrees, which are chosen after enrollment at UC Davis. All majors currently offered in the College of Biological Sciences are selective for purposes of admission; therefore, in order to be considered for admission in this selective major, transfer students who plan to pursue the A.B. degree MUST also complete Chemistry 2C and additional courses in math. At a minimum, for admission students MUST complete courses comparable to UC Davis's Biological Sciences 2A/B/C; Mathematics 17A/B/C or 21A/B; and Chemistry 2A/B/C. See the B.S. degree in this major for additional course articulation information.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
				General Chemistry II	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE

RECOMMENDED:

MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
	OR			OR	
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

END OF MAJOR

====Evolution, Ecology & Biodiversity B.S.====**Special Advising Note:**

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*

Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with

RECOMMENDED:				
MATH 21C	Calculus	(4)	MATH 402	Calculus III (5)

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

CHEM 2A Genl Chemistry (5) | CHEM 400 General Chemistry I (5)

The undergraduate major Fiber and Polymer Science in the College of Agricultural and Environmental Sciences has been suspended for fall 2017 applicants, and fall 2017 TAGs will not be available. The minor in Fiber and Polymer Science will remain available to these applicants. Fall 2017 applicants are encouraged to consider the Textiles and Clothing major, Textile Science option.

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
			MATH 401	Calculus II	(5)
	OR		OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)

TEX&CL 6	Intro Textiles	(4)	FASHN 320	Textiles	(3)
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TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		
	OR			OR	

ENGIN 45	Prop of Mats	(4)	ENGR 412	Properties of Materials	(3)
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PREPARATION FOR GRADUATION:

k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)

ELECTIVE COURSES:

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Microeconomics	(3)
				Principles of	(3)
				Macroeconomics	
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Algebra	(4)
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

END OF MAJOR

- B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.
- k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Food Science B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life (3) and Social Sciences I
			<u>OR</u>	
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I (5)
			MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II (5)
			MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
			MATH 401	Calculus II (5)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular (5) Biology
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I (5)
			CHEM 401	General Chemistry II (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II (5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE	
	AND			AND
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	
	OR			OR
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with (4) Biological Emphasis I
			OR	
			CHEM 420	Organic Chemistry I (5)
	AND			AND
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 425 &	Organic Chemistry with (4) Biological Emphasis I
			CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
	OR			OR
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I (5)
	AND			AND
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
	AND			AND
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I (5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

FD S&T 50	Intro Food Preservation	(3)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to (4) Probability and Statistics
	Same as: STATIST 13Y		OR	
			STAT 480	Introduction to (4) Probability and Statistics - Honors
			OR	
			ECON 310	Economic Statistics (3)
NUTR 10	Discoveries and Concepts	(3)	NUTRI 300	Nutrition (3)
			OR	
			NUTRI 480	Nutrition Honors (3)

RECOMMENDED FOR STUDENTS INTENDING TO PURSUE GRADUATE OR PROFESSIONAL STUDIES:				
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 421	Organic Chemistry II (5)
	OR			OR
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II (5)

k) CHEM 129B	AND Organic Chem Lab	(2)	AND	
			CHEM 420 & CHEM 421	Organic Chemistry I (5) Organic Chemistry II (5)
k) CHEM 129C	AND Organic Chem Lab	(2)	AND	
			CHEM 421	Organic Chemistry II (5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====French A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

FRENCH 1	Elementary French	(5)	FREN 401	Elementary French	(4)
FRENCH 2	Elementary French	(5)	FREN 402	Elementary French	(4)
FRENCH 3	Elementary French	(5)	FREN 411	Intermediate French	(4)
FRENCH 21	Intermed French	(5)	FREN 412	Intermediate French	(4)
FRENCH 22	Intermed French	(5)	NO COMPARABLE COURSE		
FRENCH 23	Intermed French	(5)	NO COMPARABLE COURSE		

Please Note: Based on our experience, and in order to insure that students are well-prepared for second year and upper-division courses, students who plan to enroll in FRENCH 21 or a higher course must first consult with one of the French Department's Lower-Division Language Coordinators. It is also strongly recommended that all transfer students take the French Placement Test when transferring to UC Davis.

END OF MAJOR

====Gender, Sexuality and Women's Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more

information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

WOM STD 50	Intro Gender Studies	(4)	WGS 300	Introduction to Women's (3) Studies
WOM STD 60	Feminist Critiques	(4)	NO COMPARABLE COURSE	
WOM STD 70	Sexual:Thry&Hist	(4)	NO COMPARABLE COURSE	

TWO COURSES FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE	
AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE	
AMR STD 21	Objects & Everyday Life	(4)	NO COMPARABLE COURSE	
AMR STD 30	Amr Images Pop Cult	(4)	HUM 332	American Humanities (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology (3)
			<u>OR</u>	
			ANTH 481	Honors Cultural (3) Anthropology
ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
ANTHRO 30	Sexualities	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American (3) Experience in America
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE	
CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican (3) Americans in the U.S.
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE	
CHICANO 50	Chicano Culture	(4)	ETHNS 341	The Sociology & (3) Psychology of Mexicans and Latinos in the U.S.
COMPLIT 12	Intro Women Writers	(4)	NO COMPARABLE COURSE	
DRAMART 1	Theatre, Performance and Culture	(4)	NO COMPARABLE COURSE	
ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition (3) and Literature
			<u>OR</u>	
			ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE	
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE	
HISTORY 85	Nat,Man&Mach/Amer	(4)	NO COMPARABLE COURSE	
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE	
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE	
POL SCI 7	Law & Politics	(4)	PHIL 368	Law, Justice, and (3) Punishment
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles (3)
SCI&TEC 1	Intro Sci & Tech Std	(4)	NO COMPARABLE COURSE	
SCI&TEC 2	Intro History of Science	(4)		
SCI&TEC 20	Sci & Tec Std Methods	(4)	NO COMPARABLE COURSE	
SCI&TEC 32	Drugs, Science and Culture	(4)	NO COMPARABLE COURSE	
Same as: ANTHRO 32				
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology (3)

SOCIOL 3	Social Problems	(4)		SOC 301	Social Problems	(3)
				<u>OR</u>		
				SOC 481	Social Problems - Honors	(3)
SOCIOL 11	Sociology of Labor and Employment	(4)		NO COMPARABLE COURSE		
b) SOCIOL 30A	Multicultural Societies	(3)		SOC 321	Race, Ethnicity and Inequality in the United States	(3)
				<u>OR</u>		
				SOC 482	Sociology of Race, Ethnicity and Inequality - Honors	(3)
SOCIOL 30B	Multicultural Societies	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
TEX&CL 7	Style & Cult Std	(4)		NO COMPARABLE COURSE		
UWRITING 49	Writing Research Papers	(4)		NO COMPARABLE COURSE		
	Formerly UWRITING 19					
WOM STD 20	Cult Repr of Gndr	(4)		NO COMPARABLE COURSE		
END OF MAJOR						

b) If a student takes SOCIOLOGY 321 at Sacramento City College, credit will be given for UC Davis Sociology 4 or Sociology 30A, not both

====Genetics and Genomics B.S.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
 Physics 7A/B/C or the physics series cited on ASSIST
 for your intended College of Biological Sciences major (especially
 useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 & CHEM 484	General Chemistry II	(5)
				Advanced General	(1)

Chemistry - Honors

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE	
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	
OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with (4) Biological Emphasis I
			OR	
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I (5)
			CHEM 425 &	Organic Chemistry with (4) Biological Emphasis I
			CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 421	Organic Chemistry II (5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3) and Social Sciences I
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology (2) and Medicine
OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II (5)
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

RECOMMENDED:

MATH 21C	Calculus	(4)	MATH 402	Calculus III (5)
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END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Geology A.B.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

GEOLOGY 3	History of Life	(3)	GEOL 310	Historical Geology	(3)
GEOLOGY 3L	History of Life Lab	(1)	GEOL 311	Historical Geology Laboratory	(1)
c) GEOLOGY 50	Physical Geology	(3)	GEOL 302	Physical Geology	(4)
j)					
c) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 302	Physical Geology	(4)
j)					
GEOLOGY 60	Earth Materials:Intro	(4)	NO COMPARABLE COURSE		

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		

OR				MATH 401	Calculus II	(5)
MATH 21A	Calculus	(4)		MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 401	Calculus II	(5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry I	(5)
				CHEM 401	General Chemistry II	(5)
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PHYSICS 7A	General Physics	(4)		PHYS 350 &	General Physics	(4)
				PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)		PHYS 350 &	General Physics	(4)
				PHYS 360	General Physics	(4)
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STATIST 13	Elementary Statistics	(4)		STAT 300	Introduction to	(4)
Same as: STATIST 13Y					Probability and	
					Statistics	
				OR		
				STAT 480	Introduction to	(4)
					Probability and	
					Statistics - Honors	
				OR		
				ECON 310	Economic Statistics	(3)
OR				OR		
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		

END OF MAJOR

- c) **This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.**
- j) **If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.**

===Geology B.S.===

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

GEOLOGY 3	History of Life	(3)	GEOL 310	Historical Geology	(3)
GEOLOGY 3L	History of Life Lab	(1)	GEOL 311	Historical Geology Laboratory	(1)
c) GEOLOGY 50	Physical Geology	(3)	GEOL 302	Physical Geology	(4)
j)					
c) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 302	Physical Geology	(4)
j)					
GEOLOGY 60	Earth Materials: Intro	(4)	NO COMPARABLE COURSE		
GEOLOGY 62	Optical Mineralogy	(2)	NO COMPARABLE COURSE		
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MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)

SELECT ONE OF THE FOLLOWING THREE OPTIONS:

GENERAL GEOLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and	(5)

					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9B	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9C	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	

Physics 9A/B/C is recommended over 7A/B/C, if available

GEOCHEMISTRY/PETROLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry II	(5)
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		
MATH 21D	Vector Analysis	(4)		MATH 402	Calculus III	(5)
PHYSICS 9A	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9B	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	

QUANTITATIVE/GEOPHYSICS OPTION:

MATH 21D	Vector Analysis	(4)		MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)		MATH 410	Introduction to Linear	(3)
					Algebra	
PHYSICS 9A	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9B	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	
PHYSICS 9C	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids	(5)
					and Fluids	
				PHYS 420 &	Electricity and	(5)
					Magnetism	
				PHYS 430	Heat, Waves, Light and	(5)
					Modern Physics	

END OF MAJOR

- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====German A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

GERMAN 1	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
GERMAN 2	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation

GERMAN 3	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 20	Intermediate German	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 21	Intermediate German	(4)	NO COMPARABLE COURSE
GERMAN 22	Intermediate German	(4)	NO COMPARABLE COURSE

END OF MAJOR

====Global Disease Biology B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously

listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

GDISBIO 90	Intro Global Disease Bio	(1)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
SCI&SOC 13	Disease and Society	(3)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 422	Animal Biology	(5)
			BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR		OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
			CHEM 420	Organic Chemistry I	(5)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3) and Social Sciences I
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology (2) and Medicine

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

PREPARATION FOR GRADUATION:

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to (4) Probability and Statistics
Same as: STATIST 13Y			<u>OR</u>	
			STAT 480	Introduction to (4) Probability and Statistics - Honors
			<u>OR</u>	
			ECON 310	Economic Statistics (3)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====History A.B.====

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](http://ucdavis.edu/transfer). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

Five lower-division courses from the following seven concentrations, including at least one course in three different concentrations. Additional units to reach 20.

A. AFRICA

HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED

B. ASIA

HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE
HISTORY 9A	East Asian Civ	(4)	HIST 364 & Asian Civilization (3)
			HIST 365 Asian Civilization (3)
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE

C. EUROPE

HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 4B	Western Civ	(4)	HIST 300 & History of Western Civilization (3)
			HIST 302 History of Western Civilization (3)
HISTORY 4C	Western Civ	(4)	HIST 302 History of Western Civilization (3)

D. LATIN AMERICA

HISTORY 7A	Latin America to 1700	(4)	NO COMPARABLE COURSE
HISTORY 7B	Latin America 1700-1900	(4)	NO COMPARABLE COURSE
HISTORY 7C	Latin America 1900-Present	(4)	NO COMPARABLE COURSE

E. MIDDLE EAST

HISTORY 6	Intro to Middle East	(4)	HIST 380 History of the Middle East (3)
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F. UNITED STATES

HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)
HISTORY 17B	U.S. History	(4)	HIST 311	History of the United States	(3)
			<u>OR</u>		
			HIST 484	History of the United States - Honors	(3)
HISTORY 18A	Race in America to 1865	(4)	NO COURSE ARTICULATED		
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE		
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE		
HISTORY 80	US in the Middle East	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 85	Nat, Man & Mach/Amer	(4)	NO COMPARABLE COURSE		

G. WORLD

HISTORY 1	Introduction to History	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 2	Intro History of Science	(4)	NO COURSE ARTICULATED		
HISTORY 3	Cities: Survey of World Cultures	(4)	NO COMPARABLE COURSE		
HISTORY 10A	World History to 1350	(4)	HIST 307	History of World Civilizations to 1500	(3)
HISTORY 10B	World History 1350-1850	(4)	HIST 308	History of World Civilizations, 1500 to Present	(3)
HISTORY 10C	World History III	(4)	HIST 309	World History in the Twentieth Century	(3)
HISTORY 11	Hist Jewish People	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 12	Food and History	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 13	Global Sexualities	(4)	NO COURSE ARTICULATED		
HISTORY 14	Hist Global Capitalism	(4)	NO COURSE ARTICULATED		
HISTORY 20	The Vietnam War	(4)	NO COURSE ARTICULATED		
HISTORY 90	Research in History	(4)	NO COURSE ARTICULATED		

END OF MAJOR

====Human Development B.S.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

Select two of the following courses:

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 15	Human Life Cycle	(5)	NO COMPARABLE COURSE		

Select one course from:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
	<u>OR</u>			<u>OR</u>	
BIOLSCI 10	Everyday Biology	(4)	BIOL 305	Natural History	(4)
	<u>OR</u>			<u>OR</u>	
MIC BIO 10	Natural History of Infectious Diseases	(3)	BIOL 342	The New Plagues: New and Ancient Infectious Diseases Threatening World Health	(3)
	<u>OR</u>			<u>OR</u>	
NE PH B 12	Human Brain and Disease	(3)	PSYC 310	Biological Psychology	(3)
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		

Select one course from:

HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)
	<u>OR</u>			<u>OR</u>	
HISTORY 17B	U.S. History	(4)	HIST 311	History of the United States	(3)
			<u>OR</u>		
			HIST 484	History of the United States - Honors	(3)
	<u>OR</u>			<u>OR</u>	
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>	
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>	
POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
			<u>OR</u>		
			POLS 481	Introduction to Government: United States - Honors	(3)

Select two of the following courses:

PHILOS 5	Critical Reasoning	(4)	PHIL 320	Logic and Critical Reasoning	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE		
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE		
PHILOS 38	Intro Philos of Biol	(4)	NO COMPARABLE COURSE		

NE PH B 10	Elem Human Physio	(3)	BIOL 430 & Anatomy and Physiology (5)
			BIOL 431 Anatomy and Physiology (5)
PSYCH 1	General Psychology	(4)	PSYC 300 General Principles (3)
Select one of the following options:			
PSYCH 41	Research Methods	(4)	PSYC 335 Research Methods in Psychology (3)
	OR		OR
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
	AND		AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
	OR		OR
STATIST 10	Statist Thinking	(4)	NO COMPARABLE COURSE
	OR		OR
STATIST 13	Elementary Statistics	(4)	STAT 300 Introduction to Probability and Statistics (4)
	Same as: STATIST 13Y		
			OR
			STAT 480 Introduction to Probability and Statistics - Honors (4)
			OR
			ECON 310 Economic Statistics (3)

END OF MAJOR

===Hydrology B.S.===

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology Animal Biology	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I General Chemistry II	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 410 & PHYS 420 & PHYS 430	Mechanics of Solids and Fluids Electricity and Magnetism Heat, Waves, Light and Modern Physics	(5) (5) (5)

PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)

c) GEOLOGY 50	Physical Geology	(3)	GEOL 302	Physical Geology	(4)
j)					
c) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 302	Physical Geology	(4)
j)					

ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)

END OF MAJOR

- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====International Agricultural Development B.S.====

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. See the [UC Transfer Admission website](http://ucdavis.edu/transfer) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

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INT AG 10	Intro Intl Ag Development	(4)	NO COMPARABLE COURSE
<hr/>			
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE
<hr/>			
SOILSCI 10	Soils in Our Environment	(3)	NO COMPARABLE COURSE

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
AND			AND		
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)
OR			OR		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
			MATH 400	Calculus I	(5)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		

SIX QUARTER UNITS FROM THE FOLLOWING:

AGRESEC 15	Pop, Envr, World Agri	(4)	NO COMPARABLE COURSE		
AN SCI 41	Domestic Ani Prod	(2)	NO COMPARABLE COURSE		
AN SCI 41L	Domest An Prod Lab	(2)	NO COMPARABLE COURSE		
CM&RGDE 20	Food Systems	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
NUTR 10	Discoveries and Concepts	(3)	NUTRI 300	Nutrition	(3)
			OR		
			NUTRI 480	Nutrition Honors	(3)
PL SCI 1	Agr Nature & Society	(3)	NO COMPARABLE COURSE		
PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PL SCI 49	Org Crop Prod Prac	(3)	NO COMPARABLE COURSE		

FOREIGN LANGUAGE REQUIREMENT:

Students must complete 15-quarter-unit level in one language or pass the foreign language proficiency examination. See <http://llc.ucdavis.edu/foreign-language-placement-exams>.

A score of 5, 4, or 3 on a foreign language College Board Advanced Placement Examination (except Latin) or a score of 550 on the College Board SAT II Subject Test will also satisfy this requirement

AREAS OF SPECIALIZATION:

AGRICULTURAL PRODUCTION OPTION:

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)

TRADE AND ECONOMIC DEVELOPMENT OPTION:

MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		

SOCIOL 1	Intro Sociology	(5)	MATH 401	Calculus II	(5)
			SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
	OR		OR		
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COMPARABLE COURSE		

ENVIRONMENTAL ISSUES OPTION:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
ENV S&P 1	Env Analysis	(4)	BIOL 422	Animal Biology	(5)
			NO COMPARABLE COURSE		

RURAL COMMUNITIES OPTION:

SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)

END OF MAJOR

====International Relations A.B.====

Special Advising Note:

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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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option

from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	<u>OR</u>		<u>OR</u>		
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
HISTORY 4C	Western Civ	(4)	HIST 302	History of Western Civilization	(3)
	<u>OR</u>		<u>OR</u>		
HISTORY 10C	World History III	(4)	HIST 309	World History in the Twentieth Century	(3)
POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign	(3)
POL SCI 3	Internatl Relations	(4)	POLS 310	Introduction to International Relations	(3)
			<u>OR</u>		
			POLS 480	Introduction to International Relations -Honors	(3)
POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not Same as: COMUNCN 12Y, PSYCH 12Y submitted course(s)for articulation		
	SOCIOL 12Y				
	<u>OR</u>		<u>OR</u>		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
	<u>OR</u>		<u>OR</u>		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

**FOREIGN LANGUAGE: ONE OF THE FOLLOWING SERIES IN A SINGLE LANGUAGE, OR
CERTIFIED FLUENCY AT THE HIGHEST LEVEL REQUIRED BELOW:**

Note: The language curricula are subject to change; please check with an advisor for the major. A language not listed below may be substituted **only with prior written approval of the International Relations Program Committee.**

ARABIC 1	Elementary Arabic	(5)	ARABIC 401	Elementary Arabic	(5)
ARABIC 2	Elem Arabic	(5)	ARABIC 402	Elementary Arabic	(5)
ARABIC 3	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARABIC 21	Intermed Arabic	(4)	NO COMPARABLE COURSE		
ARABIC 22	Intermed Arabic	(4)	NO COMPARABLE COURSE		
ARABIC 23	Intermed Arabic	(4)	NO COMPARABLE COURSE		
OR			OR		
x) CHINESE 1	Elem Chinese	(5)	MAND 401	Elementary Mandarin	(4)
x) CHINESE 2	Elem Chinese	(5)	MAND 401 &	Elementary Mandarin	(4)
			MAND 402	Elementary Mandarin	(4)
x) CHINESE 3	Elem Chinese	(5)	MAND 402	Elementary Mandarin	(4)
x) CHINESE 4	Inter Chinese	(5)	MAND 411	Intermediate Mandarin	(4)
x) CHINESE 5	Inter Chinese	(5)	MAND 412	Intermediate Mandarin	(4)
x) CHINESE 6	Inter Chinese	(5)	MAND 412	Intermediate Mandarin	(4)
OR			OR		
x) CHINESE 1CN	Mand/Cant Spkrs I	(5)	NO COMPARABLE COURSE		
x) CHINESE 2CN	Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE		
x) CHINESE 3CN	Mand/Cant Spkrs III	(5)	NO COMPARABLE COURSE		
OR			OR		
x) CHINESE 1BL	Accl Wrtn Chinese I	(5)	NO COMPARABLE COURSE		
x) CHINESE 2BL	Accl Wrtn Chinese II	(5)	NO COMPARABLE COURSE		
x) CHINESE 3BL	Accl Wrtn Chinese III	(5)	NO COMPARABLE COURSE		
OR			OR		
FRENCH 1	Elementary French	(5)	FREN 401	Elementary French	(4)
FRENCH 2	Elementary French	(5)	FREN 402	Elementary French	(4)
FRENCH 3	Elementary French	(5)	FREN 411	Intermediate French	(4)
FRENCH 21	Intermed French	(5)	FREN 412	Intermediate French	(4)
FRENCH 22	Intermed French	(5)	NO COMPARABLE COURSE		
OR			OR		
GERMAN 1	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GERMAN 2	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GERMAN 3	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GERMAN 20	Intermediate German	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GERMAN 21	Intermediate German	(4)	NO COMPARABLE COURSE		
OR			OR		
HEBREW 1	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 2	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 3	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 21	Intermed Modern Hebrew I	(4)	NO COMPARABLE COURSE		
HEBREW 22	Intermed Modern Hebrew II	(4)	NO COMPARABLE COURSE		
HEBREW 23	Intermed Modern Hebrew III	(4)	NO COURSE ARTICULATED		
OR			OR		
HIN-URD 1	Elem Hindi/Urdu I	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

HIN-URD 2	Elem Hindi/Urdu II	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HIN-URD 3	Elem Hindi/Urdu III	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HIN-URD 21	Intermed Hindi/Urdu I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HIN-URD 22	Intermed Hindi/Urdu II	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HIN-URD 23	Intermed Hindi/Urdu III	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
ITALIAN 1	Elementary Italian	(5)	ITAL 401 Elementary Italian (4)
ITALIAN 2	Elementary Italian	(5)	ITAL 402 Elementary Italian (4)
ITALIAN 3	Elementary Italian	(5)	NO COMPARABLE COURSE
ITALIAN 4	Interm Italian	(4)	NO COMPARABLE COURSE
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE
OR			OR
ITALIAN 1	Elementary Italian	(5)	ITAL 401 Elementary Italian (4)
ITALIAN 2	Elementary Italian	(5)	ITAL 402 Elementary Italian (4)
ITALIAN 3	Elementary Italian	(5)	NO COMPARABLE COURSE
ITALIAN 8A	Italian Convers	(3)	NO COMPARABLE COURSE
ITALIAN 8B	Italian Convers	(3)	NO COMPARABLE COURSE
OR			OR
y) JPNESE 1	Elem Japanese	(5)	JAPAN 402 Elementary Japanese (4)
			OR
			JAPAN 411 Intermediate Japanese (4)
y) JPNESE 2	Elem Japanese	(5)	JAPAN 412 Intermediate Japanese (4)
y) JPNESE 3	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 4	Inter Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 5	Inter Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 6	Inter Japanese	(5)	NO COMPARABLE COURSE
OR			OR
PORTUG 1	Elementary Portuguese	(5)	NO COMPARABLE COURSE
PORTUG 2	Elementary Portuguese	(5)	NO COMPARABLE COURSE
PORTUG 3	Elementary Portuguese	(5)	NO COMPARABLE COURSE
PORTUG 21	Intermediate Portuguese	(5)	NO COMPARABLE COURSE
PORTUG 22	Intermediate Portuguese	(5)	NO COMPARABLE COURSE
OR			OR
RUSSIAN 1	Elementary Russian	(5)	RUSS 401 Elementary Russian (4)
RUSSIAN 2	Elementary Russian	(5)	RUSS 401 & Elementary Russian (4)
			RUSS 402 Elementary Russian (4)
RUSSIAN 3	Elementary Russian	(5)	RUSS 402 Elementary Russian (4)
RUSSIAN 4	Intermed Russian	(4)	RUSS 411 & Intermediate Russian (4)
			RUSS 412 Intermediate Russian (4)
RUSSIAN 5	Intermed Russian	(4)	RUSS 411 & Intermediate Russian (4)
			RUSS 412 Intermediate Russian (4)

Students with only one year or less of Russian at the community college level should consult with an advisor in the Russian Department at UC Davis before continuing on with the Russian series.

OR			OR
SPANISH 1	Elementary Spanish	(5)	SPAN 401 Elementary Spanish (4)
SPANISH 2	Elementary Spanish	(5)	SPAN 401 & Elementary Spanish (4)
			SPAN 402 Elementary Spanish (4)
SPANISH 3	Elementary Spanish	(5)	SPAN 402 Elementary Spanish (4)
SPANISH 21	Intm Spanish	(5)	SPAN 411 Intermediate Spanish (4)
SPANISH 22	Intm Spanish	(5)	SPAN 412 Intermediate Spanish (4)
OR			OR
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 413 Spanish for Native Speakers I (4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 415 Spanish for Native Speakers II (4)

Advising Note: Transfer students are strongly encouraged to review the structure of the major and be cognizant of any changes made to the curriculum of the program and/or specific tracks within the major. Certain upper-division courses require completion of prerequisite courses. In addition, the international relations major offers several options for completing upper-division coursework for the major. There are upper-division economics courses in some of the options that require calculus as a prerequisite. Consult the [UC Davis General Catalog](#), available online, or consult an advisor to learn if the option you will choose contains economics courses with a calculus prerequisite.

END OF MAJOR

- x) Transfer students must take a UC Davis placement exam in Chinese language before enrolling in UC Davis Chinese language courses; duplication of coursework may result.
- y) Transfer students must take a UC Davis placement exam in Japanese language before enrolling in UC Davis Japanese language courses; duplication of credit may result.

====Italian A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ITALIAN 1	Elementary Italian	(5)	ITAL 401	Elementary Italian	(4)
ITALIAN 2	Elementary Italian	(5)	ITAL 402	Elementary Italian	(4)
ITALIAN 3	Elementary Italian	(5)	NO COMPARABLE COURSE		
ITALIAN 4	Interm Italian	(4)	NO COMPARABLE COURSE		
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE		
ITALIAN 9	Reading Italian	(4)	NO COMPARABLE COURSE		

RECOMMENDED: Study abroad in Italy for a period of one year, one semester, or one quarter, and/or the study of Latin or another Romance language.

END OF MAJOR

====Japanese A.B.====

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.

Japanese Placement Examination Note:

Students who have studied Japanese previously must take the UC Davis placement examination before enrolling in Japanese language courses at UC Davis. If placement results in duplication of articulated courses below, students might receive only subject credit, not unit credit, for UC Davis courses completed. See information related to [Japanese placement exams](#) and also information regarding [foreign language placement exams](#). For more information, check with your UC Davis College Dean's Office or department advisor upon enrollment.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

y) JPNESE 1	Elem Japanese	(5)	JAPAN 402	Elementary Japanese	(4)
			OR		
			JAPAN 411	Intermediate Japanese	(4)
y) JPNESE 2	Elem Japanese	(5)	JAPAN 412	Intermediate Japanese	(4)
y) JPNESE 3	Elem Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 4	Inter Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 5	Inter Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 6	Inter Japanese	(5)	NO COMPARABLE COURSE		

RECOMMENDED COURSES FOR THIS MAJOR:

JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE		
JPNESE 25	Language & Culture (in English)	(4)	NO COMPARABLE COURSE		
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE		
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE		
CHINESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE		
Same as: JPNESE 50					
LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE		

END OF MAJOR

y) **Transfer students must take a UC Davis placement exam in Japanese language before enrolling in UC Davis Japanese language courses; duplication of credit may result.**

====Landscape Architecture B.S.====

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. See the

[UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

PRE-MAJOR REQUIREMENT:

Students who wish to major in landscape architecture must apply to "Landscape Architecture (Pre-)." Admission to UC Davis in pre-landscape architecture does not guarantee admission to the landscape architecture major.

After applying for admission, students submit a separate portfolio application to the landscape architecture program in February, either before or after enrollment at UC Davis. Contact the Landscape Architecture Advising Office at (530) 754-8628 or visit humanecology.ucdavis.edu/lda for details.

To be a competitive applicant, you must earn an overall transfer GPA of 2.80 or higher.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition (3) and Literature
			<u>OR</u>	
			ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
	<u>OR</u>			
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition (3)
	<u>OR</u>			
UWRITING 48	Style in the Essay	(4)	ENGWR 302	Advanced Composition (3) and Critical Thinking
	Formerly UWRITING 18			
	<u>OR</u>			
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE	
	Formerly UWRITING 19			
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology (5) Animal Biology (5)
ENVHORT 6	Intro Environ Plants	(4)	NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life (3) and Social Sciences I
			<u>OR</u>	
STATIST 13	Elementary Statistics	(4)	MATH 400	Calculus I (5)
	Same as: STATIST 13Y		STAT 300	Introduction to (4) Probability and Statistics
			<u>OR</u>	
			STAT 480	Introduction to (4) Probability and Statistics - Honors
			<u>OR</u>	
			ECON 310	Economic Statistics (3)

ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE
Formerly ENG CS 10			

ONE COURSE FROM THE FOLLOWING:

CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry I	(5)
CHEM 10	Concept of Chem	(4)		CHEM 330	Adventures in Chemistry	(4)
PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE		
PHYSICS 10	Topics,Nonscientists	(4)		PHYS 310	Conceptual Physics	(3)
j) GEOLOGY 1	The Earth	(4)		GEOL 302	Physical Geology	(4)
SOILSCI 10	Soils in Our Environment	(3)		NO COMPARABLE COURSE		

LND ARC 1	Intro Environ Design	(4)		NO COMPARABLE COURSE		
LND ARC 2	Place,Culture,Community	(4)		NO COMPARABLE COURSE		
LND ARC 3	Sustainable Development	(4)		NO COMPARABLE COURSE		
LND ARC 21	Landscape Rep I	(4)		NO COMPARABLE COURSE		
	Formerly Design Visualization					
LND ARC 23	Landscape Rep II	(3)		NO COURSE ARTICULATED		
LND ARC 30	History Environ Design	(4)		NO COMPARABLE COURSE		
LND ARC 50	Site Ecology	(4)		NO COMPARABLE COURSE		
LND ARC 60	Landform Grading Studio	(6)		NO COMPARABLE COURSE		
LND ARC 70	Intro to Spacemaking	(4)		NO COMPARABLE COURSE		

Two courses in Arts and Humanities selected from the UC Davis GE/Breadth Articulation Agreement TB: Arts and Humanities (www.ASSIST.org 16-17 agreement)

Two courses in Social Sciences selected from the UC Davis GE/Breadth Articulation Agreement TB: Social Sciences.

END OF MAJOR

j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====Linguistics A.B.====

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](http://ucdavis.edu/transfer). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

LINGUIS 1	Intro Linguistics	(4)		ANTH 341	Introduction to	(3)
					Linguistics	

FOREIGN LANGUAGE: One course beyond the 15 quarter unit requirement of the College of Letters and Science, in the same language used to fulfill the college requirement

END OF MAJOR

====Managerial Economics B.S.====

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.

Special Advising Note for Future Applicants*

Beginning fall 2021, the major managerial economics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall transfer 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. Transfer students must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for the course groups. Additionally, transfer applicants must have already achieved the required GPA in any of these courses that have been completed at the time the transfer academic update is submitted. 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).

- Mathematics 16A/B or Mathematics 17A/B or Mathematics 21A/B

- Economics 1A/B

- Statistics 13

*Information for future applicants is subject to change.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the

A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 321	Interpersonal Communication	(3)
<hr/>					
AGRESEC 18	Business Law	(4)	NO COMPARABLE COURSE		
<hr/>					
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
<hr/>					
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR		OR		
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE COURSE		

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting	(4)
<hr/>					
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
			MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

**====Marine and Coastal Science B.S. (Coastal Environmental Processes)====
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)
- Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)
- Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See

additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
				General Chemistry II	(5)

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
	<u>OR</u>		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.					
	<u>OR</u>		<u>OR</u>		
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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GEOLOGY 16	The Oceans	(3)	GEOG 308	Introduction to Oceanography	(3)
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END OF MAJOR

===Marine and Coastal Science B.S. (Marine Ecology and Organismal Biology)===

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)
- Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)
- Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
AND			AND		
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)

MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 410 & PHYS 420 & PHYS 430	Mechanics of Solids and Fluids Electricity and Magnetism Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 & PHYS 420 & PHYS 430	Mechanics of Solids and Fluids Electricity and Magnetism Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 & PHYS 420 & PHYS 430	Mechanics of Solids and Fluids Electricity and Magnetism Heat, Waves, Light and Modern Physics	(5)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GEOLOGY 16	The Oceans	(3)	GEOG 308	Introduction to Oceanography	(3)

END OF MAJOR

====Marine and Coastal Science B.S. (Marine Environmental Chemistry)====
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

-Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)

-Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)

-Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)

-Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of

ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
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MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
<u>OR</u>			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
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PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)

| PHYS 360 General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

	OR			OR	
PHYSICS 9A	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids (5) and Fluids
				PHYS 420 &	Electricity and (5) Magnetism
				PHYS 430	Heat, Waves, Light and (5) Modern Physics
PHYSICS 9B	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids (5) and Fluids
				PHYS 420 &	Electricity and (5) Magnetism
				PHYS 430	Heat, Waves, Light and (5) Modern Physics
PHYSICS 9C	Classical Physics	(5)		PHYS 410 &	Mechanics of Solids (5) and Fluids
				PHYS 420 &	Electricity and (5) Magnetism
				PHYS 430	Heat, Waves, Light and (5) Modern Physics

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
GEOLOGY 16	The Oceans	(3)		GEOG 308	Introduction to (3) Oceanography

END OF MAJOR

**===Marine and Coastal Science B.S. (Oceans and the Earth System)===
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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences;

Evolution and Ecology)

-Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)

-Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
	<u>OR</u>		<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)

MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology (2) and Medicine
OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II (5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III (5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids (5) and Fluids
			PHYS 420 &	Electricity and (5) Magnetism
			PHYS 430	Heat, Waves, Light and (5) Modern Physics
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids (5) and Fluids
			PHYS 420 &	Electricity and (5) Magnetism
			PHYS 430	Heat, Waves, Light and (5) Modern Physics
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids (5) and Fluids
			PHYS 420 &	Electricity and (5) Magnetism
			PHYS 430	Heat, Waves, Light and (5) Modern Physics

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
GEOLOGY 16	The Oceans	(3)	GEOG 308	Introduction to (3) Oceanography

END OF MAJOR

====Materials Science & Engineering B.S.====

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum (IGETC) however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19

[UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Mathematical & Scientific Computation B.S.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Recommended Language Preparation Note:

Bachelor of Science degree candidates are advised, but not required, to satisfy the same language requirement as that for a Bachelor of Arts degree candidate, and to fulfill it in French, German or Russian. View the [UC Davis General Catalog](#) for additional information about the Foreign Language and Area Requirements, College of Letters and Science.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3) and Social Sciences I	
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II	
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology (2) and Medicine	
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MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear (3) Algebra	
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		
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ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE		
	Formerly ENG CS 10				

ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem (3) Solving	
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END OF MAJOR

===Mathematical Analytics and Operations Research B.S.===

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Recommended Language Preparation Note:

Bachelor of Science degree candidates are advised, but not required, to satisfy the same language requirement as that for a Bachelor of Arts degree candidate, and to fulfill it in French, German or Russian. View the [UC Davis General Catalog](#) for additional information about the Foreign Language and Area Requirements, College of Letters and Science.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		
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ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				

OR

ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)
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ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
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END OF MAJOR

====Mathematics A.B.====

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.

Special Advising Note for future applicants:*

Beginning fall 2020, the major mathematics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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 21A/B/C/D

-Mathematics 22A or Mathematics 67

-Mathematics 22B

*Information for future applicants is subject to change

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
OR			OR		
ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

**12 QUARTER UNITS OF ADDITIONAL NON-MATHEMATICS COURSES
CHOSEN FROM NATURAL SCIENCES**

END OF MAJOR

====Mathematics B.S.====

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.

Special Advising Note for future applicants:*

Beginning fall 2020, the major mathematics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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 21A/B/C/D

-Mathematics 22A or Mathematics 67

-Mathematics 22B

*Information for future applicants is subject to change

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Recommended Language Preparation Note:

Bachelor of Science degree candidates are advised, but not required, to satisfy the same language requirement as that for a Bachelor of Arts degree candidate, and to fulfill it in French, German or Russian. View the [UC Davis General Catalog](#) for additional information about the Foreign Language and Area Requirements, College of Letters and Science.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COMPARABLE COURSE		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		
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ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
OR			OR		
ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

PLAN 1: GENERAL MATHEMATICS

PHYSICS 9A	Classical Physics	(5)	PHYS 410	<u>&</u> Mechanics of Solids and Fluids	(5)
			PHYS 420	<u>&</u> Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

PLAN 2: MATHEMATICS FOR SECONDARY TEACHING

PHYSICS 7A	General Physics	(4)	PHYS 350	<u>&</u> General Physics	(4)
			PHYS 360	General Physics	(4)
OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 410	<u>&</u> Mechanics of Solids and Fluids	(5)
			PHYS 420	<u>&</u> Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
OR			OR		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		

		ECON 310	Economic Statistics	(3)
OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

END OF MAJOR

===Mechanical Engineering B.S.===

Special Advising Note:

ARTICULATION FOR THIS MAJOR IS UNDER REVIEW. You may view the previous year's agreement, but be advised that articulation is subject to change from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

College of Engineering applicants to fall 2019 should view the majors guide effective for the 2017-18 academic year. (Go to ASSIST.org and click on the red notice that appears at the top of the page after you enter a college or university). Admission selection for fall 2019 will be based upon ALL courses published as REQUIRED FOR ADMISSION on the 2017-18 majors guide for the major. You may also view this information as published in the College of Engineering Transfer Credit Agreement at

<http://engineering.ucdavis.edu/transfer-credit-agreements/>

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. 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.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

Any required courses that are offered at your current college must be completed by the close of spring term for fall enrollment at UC Davis. If required courses are not offered at your California Community College (i.e. those identified on ASSIST as NO COMPARABLE COURSE or NO COURSE ARTICULATED), you must complete them after enrolling at UC Davis.

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. 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. See the UC Davis [transfer admission website](#) for details.

IGETC: Transfer students should place highest priority on completing all requirements for their chosen engineering major. By completing the Intersegmental General Education Transfer Curriculum(IGETC)however, the General Education (GE) requirement at UC Davis will be totally satisfied for all UC

Davis GE requirements that may be met with lower-division courses. Completing IGETC is not required, nor does it improve the likelihood you will be admitted. See additional GE information below.

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 our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go to the For General Education/Breadth section of ASSIST and select any GE area from the pull-down menu or view the "General Education" section of the 2018-19 [UC Davis General Catalog](#) online.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-2019 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all lower-division engineering major requirements available at the student's community college with a minimum GPA of 3.20 in these required courses. Contact your counselor or the UC Davis College of Engineering Undergraduate Office at (530) 752-1979, or consult the [College of Engineering website](#) if you have any questions.

END OF MAJOR

====Medieval and Early Modern Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MEDV-ST 20A	Medieval Culture	(5)	NO COMPARABLE COURSE
MEDV-ST 20B	Medieval Culture	(5)	NO COMPARABLE COURSE
THREE COURSES FROM THE FOLLOWING:			
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 306 & Medieval Art (3)
			ARTH 308 Renaissance Tradition (3)
			in Art
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 308 & Renaissance Tradition (3)
			in Art
			ARTH 310 Modern Art (3)
ARTHI 1E	Islamic Art & Architecture	(4)	NO COMPARABLE COURSE
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 480 & World Literature: (3)
			Antiquity to the
			Early Modern World -
			Honors
			ENGLT 481 World Literature: (3)
			Seventeenth Century
			to Present - Honors
COMPLIT 10A	Master Authors	(2)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
COMPLIT 10B	Master Authors	(2)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
COMPLIT 10C	Master Authors	(2)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
COMPLIT 10D	Master Authors	(2)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
COMPLIT 10E	Master Authors	(2)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGLT 310 English Literature I (3)
GERMAN 48	Myth & Saga	(4)	NO COMPARABLE COURSE
HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 4B	Western Civ	(4)	HIST 300 & History of Western (3)
			Civilization
			HIST 302 History of Western (3)
			Civilization
HUMAN 1	Humanities Forum	(2)	NO COMPARABLE COURSE
HUMAN 9	Don Quixote	(2)	NO COMPARABLE COURSE

PHILOS 21	Phil Classics: Ancient	(4)	PHIL 330	History of Classical Philosophy	(3)
			<u>OR</u>		
			PHIL 480	History of Classical Philosophy - Honors	(3)
PHILOS 22	Phil Classics: Modern	(4)	PHIL 331	History of Modern Philosophy	(3)

Language proficiency is a desideratum; courses in Latin and other European languages are strongly recommended, particularly for students planning to pursue graduate studies in the medieval or early modern field.

END OF MAJOR

===Microbiology A.B.===

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B

Chemistry 2A/B/C

Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*

Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry

118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

Special Note for Transfer Students Considering an A.B. Degree in this Major:

Applicants to majors in the College of Biological Sciences apply to the major, without reference to A.B. or B.S. degrees, which are chosen after enrollment at UC Davis. All majors currently offered in the College of Biological Sciences are selective for purposes of admission; therefore, in order to be considered for admission in this selective major, transfer students who plan to pursue the A.B. degree **MUST** also complete Chemistry 2C and additional courses in math. At a minimum, for admission students **MUST** complete courses comparable to UC Davis's Biological Sciences 2A/B/C; Mathematics 17A/B/C or 21A/B; and Chemistry 2A/B/C. See the B.S. degree in this major for additional course articulation information.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology:	(5)	BIOL 412 &	Animal Biology	(5)
				Plant Biology	(5)

	Biodiversity & the Tree of Life		BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
	OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

===Microbiology B.S.===

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and

biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially
useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
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CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I	(4)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry II	(5)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
<hr/>					
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
<hr/>					
PHYSICS 7A	General Physics	(4)	PHYS 350 & PHYS 360	General Physics	(4)
				General Physics	(4)

PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

MIC BIO 91 Intro Research	(1)	NO COURSE ARTICULATED
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RECOMMENDED:

MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
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END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

===Middle East/South Asia Studies A.B.===

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

HISTORY 6	Intro to Middle East	(4)	HIST 380	History of the Middle East	(3)
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE		

TWO YEARS (OR THE EQUIVALENT) OF ARABIC, HEBREW, OR HINDI/URDU:

ARABIC 1	Elementary Arabic	(5)	ARABIC 401	Elementary Arabic	(5)
ARABIC 2	Elem Arabic	(5)	ARABIC 402	Elementary Arabic	(5)
ARABIC 3	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARABIC 21	Intermed Arabic	(4)	NO COMPARABLE COURSE		
ARABIC 22	Intermed Arabic	(4)	NO COMPARABLE COURSE		
ARABIC 23	Intermed Arabic	(4)	NO COMPARABLE COURSE		
OR			OR		
HEBREW 1	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 2	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 3	Elem Hebrew	(5)	NO COMPARABLE COURSE		
HEBREW 21	Intermed Modern Hebrew I	(4)	NO COMPARABLE COURSE		
HEBREW 22	Intermed Modern Hebrew II	(4)	NO COMPARABLE COURSE		
HEBREW 23	Intermed Modern Hebrew III	(4)	NO COURSE ARTICULATED		
OR			OR		
HIN-URD 1	Elem Hindi/Urdu I	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HIN-URD 2	Elem Hindi/Urdu II	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HIN-URD 3	Elem Hindi/Urdu III	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HIN-URD 21	Intermed Hindi/Urdu I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HIN-URD 22	Intermed Hindi/Urdu II	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HIN-URD 23	Intermed Hindi/Urdu III	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

OTHER MIDDLE EAST/SOUTH ASIA STUDIES REGIONAL LANGUAGES ACCEPTED WITH PETITION.

ADDITIONAL ELECTIVES:

ARTHI 1E	Islamic Art & Architecture	(4)	NO COMPARABLE COURSE
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
COMPLIT 53B	Lit of South Asia	(4)	NO COMPARABLE COURSE
COMPLIT 53C	Lit of the Islamic World	(4)	NO COMPARABLE COURSE
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE
REL STD 60	Introduction to Islam	(4)	NO COMPARABLE COURSE
REL STD 65C	The Qur'an and Its Interpretation	(4)	NO COMPARABLE COURSE
REL STD 68	Hinduism	(4)	NO COMPARABLE COURSE
Or additional lower-division courses in a Middle Eastern or South Asian language			

END OF MAJOR

Special Advising Note:

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.

Diagnostic Examination Note:

Students completing the program of courses below achieve a fundamental grounding in music theory, music history, and performance. Upon admission to UC Davis, students will demonstrate required proficiency through a diagnostic exam as part of their initial academic planning and advisement. Students will be scheduled for specific courses appropriate to their proficiency level.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MUSIC 2B	Keyboard Competence	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 2C	Keyboard Competence	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.

**STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 2A-C
THROUGH EXAMINATION**

MUSIC 6A	Elementary Theory	(3)	MUFHL 410	Music Theory and Musicianship III	(4)
MUSIC 6B	Elementary Theory	(3)	MUFHL 411	Music Theory and Musicianship IV	(4)
MUSIC 6C	Elementary Theory	(3)	NO COMPARABLE COURSE		
MUSIC 7A	Intermediate Theory	(3)	NO COMPARABLE COURSE		
MUSIC 7B	Intermediate Theory	(3)	NO COMPARABLE COURSE		
MUSIC 7C	Intermediate Theory	(3)	NO COMPARABLE COURSE		
MUSIC 16A	Elem Musicianship	(2)	MUFHL 321	Basic Musicianship	(3)
MUSIC 16B	Elem Musicianship	(2)	NO COMPARABLE COURSE		
MUSIC 16C	Elem Musicianship	(2)	NO COMPARABLE COURSE		

**STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 16A-C
THROUGH EXAMINATION**

MUSIC 17A	Intermediate Musicianship	(2)	NO COMPARABLE COURSE		
MUSIC 17B	Intermediate Musicianship	(2)	NO COMPARABLE COURSE		
MUSIC 17C	Intermediate Musicianship	(2)	NO COMPARABLE COURSE		

**STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 17A-C
THROUGH EXAMINATION**

MUSIC 24A	Intro Music History	(3)	MUFHL 310	Survey of Music History and Literature (Greek Antiquity to 1750)	(3)
			<u>OR</u>		
			MUFHL 481	Survey of Music History and Literature (Greek Antiquity to 1750) - Honors	(3)
MUSIC 24B	Intro Music History	(3)	MUFHL 310	<u>&</u> Survey of Music History and Literature (Greek Antiquity to 1750)	(3)
			MUFHL 311	Survey of Music History and Literature (1750 to the present)	(3)
			<u>OR</u>		
			MUFHL 481	<u>&</u> Survey of Music History and Literature (Greek Antiquity to 1750) - Honors	(3)
			MUFHL 482	Survey of Music History and Literature (1750 to present)- Honors	(3)

MUSIC 24C	Intro Music History	(3)	MUFHL 311	Survey of Music History and Literature (1750 to the present)	(3)
			<u>OR</u>		
			MUFHL 482	Survey of Music History and Literature (1750 to present)- Honors	(3)

END OF MAJOR

====Native American Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

N A STD 1	Intro NA Studies	(4)	ETHNS 350	Introduction to Native American Studies	(3)
			<u>OR</u>		
			ETHNS 351	Native American Culture and the Impact of Federal Policy	(3)

N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ONE OR TWO COURSES FROM:

N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE		
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE		
N A STD 33	Intro NA Art	(4)	ARTH 325	Native American Art History	(3)
N A STD 34	NA Art Workshop	(4)	NO COMPARABLE COURSE		

ONE OR TWO COURSES FROM:

AF-AMST 12	Intro Afro Studies	(4)	NO COMPARABLE COURSE		
AF-AMST 52	Afr Tradit Relig	(4)	NO COMPARABLE COURSE		
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ANTHRO 24	Ancient Crops and People	(4)	NO COMPARABLE COURSE		
A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American Experience in America	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
A A STD 4	Asian Amer Cultural Studies	(4)	NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
CHICANO 23	Qualitative Research Methods	(4)	NO COMPARABLE COURSE		
COMPLIT 25	Ethnic Writers	(4)	NO COMPARABLE COURSE		
CM&RGDE 2	Ethnicity Amer Comm	(4)	ETHNS 300	Introduction to Ethnic Studies	(3)
ENV S&P 10	Current Issues in Environment	(3)	BIOL 350	Environmental Biology	(3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1					
HISTORY 7A	Latin America to 1700	(4)	NO COMPARABLE COURSE		
HISTORY 7B	Latin America 1700-1900	(4)	NO COMPARABLE COURSE		
HISTORY 7C	Latin America 1900-Present	(4)	NO COMPARABLE COURSE		
HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)

IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

END OF MAJOR

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by

the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I	(4)
				Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I	(5)
			CHEM 426	Organic Chemistry II	(5)
				Organic Chemistry with Biological Emphasis II	(4)

			<u>OR</u>		
			CHEM 421	Organic Chemistry II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	and Social Sciences I	
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for the Life	(3)
				and Social Sciences II	
				Calculus for Biology	(2)
				and Medicine	
<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

===Nutrition Science B.S.===

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 series in general chemistry and a series in organic chemistry 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](http://ucdavis.edu/transfer). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE	
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	
OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I (4)
			OR	
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I (5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I (4)
			CHEM 426	Organic Chemistry with Biological Emphasis II (4)
			OR	
			CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
OR			OR	
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I (5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I (5)
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NUTR 10	Discoveries and Concepts	(3)	NUTRI 300	Nutrition (3)
			OR	
			NUTRI 480	Nutrition Honors (3)
<hr/>				
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology (3)
OR			OR	
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE	

**The remaining preparatory subject matter is based on which
major option you choose:**

NUTRITIONAL BIOLOGY OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	<u>OR</u>			<u>OR</u>	
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)
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MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
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PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

NUTRITION IN PUBLIC HEALTH OPTION:					
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)
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ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
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PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)

LOWER-DIVISION ELECTIVES BY AREA FOR THE NUTRITION IN PUBLIC HEALTH OPTION:

Agricultural and Health Policy Area:

AGRESEC 15	Pop, Envr, World Agri	(4)	NO COMPARABLE COURSE
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Cultural Diversity and Community Change Area:

AMR STD 55	Food in Amer Culture	(4)	NO COMPARABLE COURSE
	Same as: FD S&T 55		
CM&RGDE 2	Ethnicity Amer Comm	(4)	ETHNS 300 Introduction to Ethnic Studies (3)
INT AG 10	Intro Intl Ag Development	(4)	NO COMPARABLE COURSE

Natural and Applied Sciences Area:

CM&RGDE 20	Food Systems	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE
SCI&SOC 2	Feeding the Planet	(3)	NO COMPARABLE COURSE

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Pharmaceutical Chemistry B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

Special Advising Note for future applicants:*

Beginning fall 2020, the major pharmaceutical chemistry will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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).

- Chemistry 2A/B/C or Chemistry 2AH/BH/CH
- Chemistry 118 A/B/C or Chemistry 128A/B/C, 129A/B/C
- Mathematics 21A/B/C/D
- Mathematics 16A/B/C or Mathematics 17A/B/C or Mathematics 21A/B/C

We strongly recommend that you complete courses comparable to the following UC Davis courses with C or better grades before matriculating to UC Davis. Completion of these courses will help you move more efficiently toward graduation:

- Physics 7A/B/C or Physics 9A/B/C
- Biological Sciences 2A
- Biological Sciences 2B or 2C
- Statistics 13 or 32

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	CHEM 401 &	General Chemistry II	(5)
			CHEM 484	Advanced General	(1)
				Chemistry - Honors	

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
				OR	

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
OR			OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology Animal Biology	(5) (5)
OR			OR		
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Plant Biology Animal Biology	(5) (5)

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)
OR			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425	Organic Chemistry I Organic Chemistry with Biological Emphasis I	(5) (4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry I Organic Chemistry II	(5) (5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 421	Organic Chemistry II	(5)
OR			OR		
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry I Organic Chemistry II	(5) (5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 129B	Organic Chem Lab	(2)	CHEM 420 & CHEM 421	Organic Chemistry I Organic Chemistry II	(5) (5)
k) CHEM 129C	Organic Chem Lab	(2)	CHEM 421	Organic Chemistry II	(5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be

given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series,
not both.

====Philosophy A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

GENERAL EMPHASIS:

PHILOS 12 Intro to Symbol Logic (4) | PHIL 325 Symbolic Logic (3)

AND ONE COURSE FROM ANY THREE OF THE FOLLOWING AREAS

a. GENERAL PHILOSOPHY

PHILOS 1	Intro to Philos	(4)	PHIL 300	Introduction to Philosophy	(3)
			<u>OR</u>		
			PHIL 338	Contemporary Philosophy	(3)
			<u>OR</u>		
			PHIL 481	History of Modern Philosophy - Honors	(3)

b. ANCIENT PHILOSOPHY

PHILOS 21	Phil Classics: Ancient	(4)	PHIL 330	History of Classical Philosophy	(3)
			<u>OR</u>		
			PHIL 480	History of Classical Philosophy - Honors	(3)

c. EARLY MODERN PHILOSOPHY

PHILOS 22	Phil Classics: Modern	(4)	PHIL 331	History of Modern Philosophy	(3)
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d. PHILOSOPHY OF MIND

PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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e. ETHICS:

PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368	Law, Justice, and Punishment	(3)
	<u>OR</u>		<u>OR</u>		
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)

f. PHILOSOPHY OF SCIENCE

PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHILOS 38	Intro Philos of Biol	(4)	NO COMPARABLE COURSE		

g. PHILOSOPHY OF LANGUAGE

PHILOS 17	Language, Thought & World	(4)	NO COMPARABLE COURSE		
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PRE-LAW EMPHASIS

ONE COURSE FROM THE FOLLOWING:

PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368	Law, Justice, and Punishment	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 16	Phil Foundations of Amer Democ	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ALL OF THE FOLLOWING COURSES:

PHILOS 5	Critical Reasoning	(4)	PHIL 320	Logic and Critical Reasoning	(3)
PHILOS 12	Intro to Symbol Logic	(4)	PHIL 325	Symbolic Logic	(3)
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)

PRE-MED EMPHASIS:

ONE COURSE FROM THE FOLLOWING:

PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE		
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE		

ALL OF THE FOLLOWING COURSES:

PHILOS 12	Intro to Symbol Logic	(4)	PHIL 325	Symbolic Logic	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 38	Intro Philos of Biol	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====Physics A.B.====

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.

Special Advising Note for future applicants:*

Beginning fall 2020, the major physics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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).

- Physics 9A/B/C/D or Physics 9HA/HB/HC/HD/HE
- Mathematics 21A/B/C/D
- Mathematics 22A/B

*Information for future applicants is subject to change

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and **IB** examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
	OR		OR		
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE		

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
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MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differerntl Equations	(3)	MATH 420	Differential Equations	(4)

PHYSICS 80	Experimental Techniques	(4)	NO COURSE ARTICULATED		

END OF MAJOR

====Physics B.S.====

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.

----- Special Advising Note for future applicants:*

Beginning fall 2020, the major physics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be 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).

- Physics 9A/B/C/D or Physics 9HA/HB/HC/HD/HE
- Mathematics 21A/B/C/D
- Mathematics 22A/B

*Information for future applicants is subject to change

----- 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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PHYSICS 9A	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
	OR		OR		
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		
PHYSICS 80	Experimental Techniques	(4)	NO COURSE ARTICULATED		

Preparatory subject matter for the B.S. Astrophysics Emphasis is the same as that listed above. In addition, the following course is RECOMMENDED but not required:

ASTRON 25	Intro to Modern Astronomy & Astrophysics	(4)		ASTR 320 &	Stars, Galaxies, and Cosmology	(3)
				ASTR 400	Astronomy Laboratory	(1)

END OF MAJOR

====Plant Biology A.B.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
Chemistry 2A/B/C
Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially
useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by

the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

Special Note for Transfer Students Considering an A.B. Degree in this Major:

Applicants to majors in the College of Biological Sciences apply to the major, without reference to A.B. or B.S. degrees, which are chosen after enrollment at UC Davis. All majors currently offered in the College of Biological Sciences are selective for purposes of admission; therefore, in order to be considered for admission in this selective major, transfer students who plan to pursue the A.B. degree MUST also complete Chemistry 2C and additional courses in math. At a minimum, for admission students MUST complete courses comparable to UC Davis's Biological Sciences 2A/B/C; Mathematics 17A/B/C or 21A/B; and Chemistry 2A/B/C. See the B.S. degree in this major for additional course articulation information.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)

CHEM 2B	Genl Chemistry	(5)	CHEM 400 & General Chemistry I	(5)
			CHEM 401 General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE	
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to	(4)
Same as: STATIST 13Y				Probability and	
				Statistics	
			<u>OR</u>		
			STAT 480	Introduction to	(4)
				Probability and	
				Statistics - Honors	
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

RECOMMENDED COURSES:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
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END OF MAJOR

====Plant Biology B.S.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require 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 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.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them 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:

Mathematics 17A/B/C or 21A/B
 Chemistry 2A/B/C
 Biological Sciences 2A/B/C

It is also strongly recommended that transfer students complete courses comparable to the following UC Davis courses. Completion of these courses will help you move more efficiently toward graduation. Courses should be taken for a letter grade, with no grade less than C:

Organic Chemistry series cited on ASSIST for your major*
 Physics 7A/B/C or the physics series cited on ASSIST

for your intended College of Biological Sciences major (especially useful for Neurobiology, Physiology and Behavior majors).

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the major marine and coastal science (marine ecology & organismal biology) should complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). 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.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
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CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		

CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE	
OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with (4) Biological Emphasis I
			OR	
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I (5)
			CHEM 425 &	Organic Chemistry with (4) Biological Emphasis I
			CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 420 &	Organic Chemistry I (5)
			CHEM 421	Organic Chemistry II (5)
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 426	Organic Chemistry with (4) Biological Emphasis II
			OR	
			CHEM 421	Organic Chemistry II (5)

MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life (3) and Social Sciences I
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life (3) and Social Sciences II
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology (2) and Medicine
OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II (5)

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

RECOMMENDED COURSES:

BIOLSCI 20Q	Modeling in Biology	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 21C	Calculus	(4)	MATH 402	Calculus III (5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Plant Sciences B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact

your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology Animal Biology	(5) (5)

PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I General Chemistry II	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 425 & CHEM 426	Organic Chemistry I Organic Chemistry with Biological Emphasis I Organic Chemistry with Biological Emphasis II	(5) (4) (4)
			OR		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421 & CHEM 426	Organic Chemistry I Organic Chemistry II Organic Chemistry with Biological Emphasis II	(5) (5) (4)
			OR		
			CHEM 421	Organic Chemistry II	(5)

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400 & MATH 351	Calculus I Calculus for the Life and Social Sciences II	(5) (3)
			OR		
			MATH 401	Calculus II	(5)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
OR			OR		

PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE
	OR		OR
PL SCI 49	Org Crop Prod Prac	(3)	NO COMPARABLE COURSE

COURSES FOR THE CROP PRODUCTION OPTION:

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of	(3)
				Microeconomics	
	OR			OR	
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COMPARABLE COURSE		

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Political Science - Public Service A.B.====

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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
			<u>OR</u>		
			POLS 481	Introduction to Government: United States - Honors	(3)

THREE COURSES FROM THE FOLLOWING:

POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign	(3)
POL SCI 3	Internatl Relations	(4)	POLS 310	Introduction to International Relations	(3)
			<u>OR</u>		
			POLS 480	Introduction to International Relations -Honors	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322	Political Ideologies	(3)
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE		
POL SCI 7	Law & Politics	(4)	PHIL 368	Law, Justice, and Punishment	(3)
POL SCI 51	Scientific Study of Politics	(4)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING:

POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not Same as: COMUNCN 12Y, PSYCH 12Y submitted course(s)for articulation		
	SOCIOL 12Y				
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====Political Science A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

THREE COURSES FROM THE FOLLOWING:

POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
			<u>OR</u>		
			POLS 481	Introduction to Government: United States - Honors	(3)
POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign	(3)
POL SCI 3	Internatl Relations	(4)	POLS 310	Introduction to International Relations	(3)

			<u>OR</u>		
			POLS 480	Introduction to International Relations -Honors	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322	Political Ideologies	(3)
ONE COURSE FROM THE FOLLOWING:					

Note: Courses listed twice may be used only once for major preparation

POL SCI 1	Amer Natl Govt	(4)	POLS 301	Introduction to Government: United States	(3)
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			<u>OR</u>		
			POLS 481	Introduction to Government: United States - Honors	(3)
POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign	(3)
POL SCI 3	Internatl Relations	(4)	POLS 310	Introduction to International Relations	(3)

			<u>OR</u>		
			POLS 480	Introduction to International Relations -Honors	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322	Political Ideologies	(3)
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE		
POL SCI 7	Law & Politics	(4)	PHIL 368	Law, Justice, and Punishment	(3)

POL SCI 11A	America Decides	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
POL SCI 11B	Citizen Lawmaking	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
POL SCI 11C	Politics & Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
POL SCI 11D	Political Persuasion	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
POL SCI 12A	Politics & Sports	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
POL SCI 12B	Climate Chg & Politics	(4)			

POL SCI 51	Scientific Study of Politics	(4)	NO COMPARABLE COURSE		
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POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
Same as: COMUNCN 12Y, PSYCH 12Y			
SOCIOL 12Y			

	<u>OR</u>			<u>OR</u>	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					

			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

	<u>OR</u>			<u>OR</u>	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====Psychology A.B.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:
(for 2019-20)

This 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 transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the 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 Davis course equivalents:

Psychology 1;
Statistics 13;
One of these two options:
 Biological Sciences 2A,
 or
 *Biological Sciences 10 and one course from:
 Anthropology 1 or
 Molecular and Cellular Biology 10 or
 Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major, without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

*Students planning for a B.S. degree in psychology with biological emphasis are encouraged to complete Biological Sciences 2A rather than Biological Sciences 10. Also, although only one biological sciences course is required for admission, students interested in pursuing a B.S. degree with biological emphasis are encouraged to complete the recommended courses shown on ASSIST.

Transfer students must also meet UC transfer admission requirements. For details, see the UC Davis [transfer admission website](#). UC Davis requires that students complete the minimum 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.

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 305	Natural History	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)

MOL&CB 10	OR	(4)		NO COMPARABLE COURSE
	Intro Human Heredity			
NE PH B 10	OR	(3)		BIOL 430 & Anatomy and Physiology (5)
	Elem Human Physio			
				OR
				BIOL 431 Anatomy and Physiology (5)

END OF MAJOR

====Psychology B.S. (Biological)====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

This 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 transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the 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 Davis course equivalents:

Psychology 1;

Statistics 13;

One of these two options:

Biological Sciences 2A,

or

*Biological Sciences 10 and one course from:

Anthropology 1 or

Molecular and Cellular Biology 10 or

Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major, without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

*Students planning for a B.S. degree in psychology with biological emphasis are encouraged to complete Biological Sciences 2A rather than Biological Sciences 10. Also, although only one biological sciences course is required for admission, students interested in pursuing a B.S. degree with biological emphasis are encouraged to complete the recommended courses shown on ASSIST.

Transfer students must also meet UC transfer admission requirements. For details, see the UC Davis [transfer admission website](#). UC Davis requires that students complete the minimum 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.

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
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STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
<hr/>					
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
<u>OR</u>			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life	(3)

					and Social Sciences II
	OR			OR	
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)

PHYSICS 10	Topics, Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)
	OR			OR	
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			OR		
			CHEM 420	Organic Chemistry I	(5)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			OR		
			CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
	OR			OR	
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

===Psychology B.S. (Quantitative)===

Special Advising Note:

(for 2018-19)

This 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 transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the 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 Davis course equivalents:

Psychology 1;
Statistics 13;
One of these two options:
Biological Sciences 2A
or
Biological Sciences 10 and one course from:
Anthropology 1 or
Molecular and Cellular Biology 10 or
Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete the minimum 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.

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
<hr/>					
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
<hr/>					
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
<hr/>					
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
Formerly ENG CS 30					
			<u>OR</u>		
			CISP 401	Object Oriented Programming with Java	(4)
<u>OR</u>			<u>OR</u>		
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
Formerly ENG CS 10					

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

CHEM 10	Concept of Chem	(4)	CHEM 330	Adventures in Chemistry	(4)
OR			OR		
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PHYSICS 10	Topics,Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)

PHYSICS 10C	OR	(3)	OR	
	Physics of California		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 7A	OR	(4)	OR	
	General Physics		PHYS 350 &	General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 360	General Physics (4)
			PHYS 350 &	General Physics (4)
			PHYS 360	General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 305	Natural History	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			OR		
			ANTH 480	Honors Physical Anthropology	(3)
MOL&CB 10	OR	(4)	OR		
	Intro Human Heredity		NO COMPARABLE COURSE		
NE PH B 10	OR	(3)	OR		
	Elem Human Physio		BIOL 430 &	Anatomy and Physiology	(5)
			BIOL 431	Anatomy and Physiology	(5)

END OF MAJOR

====Religious Studies A.B.====

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](http://ucdavis.edu/transfer). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

ONE COURSE FROM THE FOLLOWING:

REL STD 1	Survey of Religion	(4)	PHIL 352	Introduction to World Religions	(3)
REL STD 1A	Pilgrimage	(4)	NO COMPARABLE COURSE		
REL STD 1B	Death and Afterlife	(4)	NO COMPARABLE COURSE		
REL STD 1C	Sacrifice	(4)	NO COMPARABLE COURSE		
REL STD 1D	Conversion	(4)	NO COMPARABLE COURSE		
REL STD 1E	Fundamentalism	(4)	NO COMPARABLE COURSE		
REL STD 1F	Religion Today	(4)	NO COMPARABLE COURSE		
REL STD 1G	Myth Ritual Symbol	(4)	NO COMPARABLE COURSE		
REL STD 1H	Sex, Marriage, Divorce	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
REL STD 1J	Music, Voice, Word	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		

FOUR COURSES FROM THE FOLLOWING:

REL STD 5	Comparative Religion	(2)	NO COURSE ARTICULATED		
REL STD 6	Intro Health Humanities	(4)	NO COURSE ARTICULATED		
REL STD 10	Contemporary Ethical Issues	(2)	PHIL 310	Introduction to Ethics	(3)
REL STD 10A	Contemporary Ethical Issues	(2)	NO COMPARABLE COURSE		
REL STD 11	Ethical Eating	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
REL STD 12	Emergence Abrahamic Religions	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE		
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE		
REL STD 30	South Asian Religions	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE		
REL STD 42	Religion and Sci Fiction	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
REL STD 45	Christianity	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
REL STD 60	Introduction to Islam	(4)	NO COMPARABLE COURSE		
REL STD 65C	The Qur'an and Its Interpretation	(4)	NO COMPARABLE COURSE		

REL STD 67	Modern Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 68	Hinduism	(4)	NO COMPARABLE COURSE
REL STD 69	Intro Hindu Mythology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 70	Religion and Language	(4)	NO COMPARABLE COURSE
REL STD 75	Introduction to Chinese Philosophy	(4)	NO COMPARABLE COURSE
REL STD 80	Religion, Gender, Sex	(4)	NO COMPARABLE COURSE

A reading knowledge of a foreign language is highly recommended.

END OF MAJOR

====Russian A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

Students with only one year or less of Russian at the community college level should consult with an advisor in the Russian Department at UC Davis before continuing on with the Russian series.

RUSSIAN 1	Elementary Russian	(5)	RUSS 401	Elementary Russian	(4)
RUSSIAN 2	Elementary Russian	(5)	RUSS 401 &	Elementary Russian	(4)
			RUSS 402	Elementary Russian	(4)
RUSSIAN 3	Elementary Russian	(5)	RUSS 402	Elementary Russian	(4)
RUSSIAN 4	Intermed Russian	(4)	RUSS 411 &	Intermediate Russian	(4)
			RUSS 412	Intermediate Russian	(4)
RUSSIAN 5	Intermed Russian	(4)	RUSS 411 &	Intermediate Russian	(4)
			RUSS 412	Intermediate Russian	(4)
RUSSIAN 6	Intermed Russian	(4)	RUSS 411 &	Intermediate Russian	(4)
			RUSS 412	Intermediate Russian	(4)

END OF MAJOR

====Science & Technology Studies A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SCI&TEC 1	Intro Sci & Tech Std	(4)	NO COMPARABLE COURSE
SCI&TEC 20	Sci & Tec Std Methods	(4)	NO COMPARABLE COURSE

8 QUARTER UNITS FROM THE FOLLOWING:

AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE
HUMAN 3	Medicine & Humanities	(4)	NO COMPARABLE COURSE
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE
SCI&SOC 2	Feeding the Planet	(3)	NO COMPARABLE COURSE
SCI&SOC 3	Sci,Tech&Society	(4)	NO COMPARABLE COURSE
SCI&SOC 5	Discovery:Sci & Soc	(3)	NO COMPARABLE COURSE
SCI&TEC 32	Drugs, Science and Culture	(4)	NO COMPARABLE COURSE
Same as: ANTHRO 32			

4 quarter units of lower-division science courses from the Approved Science Electives list. To see the list, click on <http://sts.ucdavis.edu/undergraduate/sts-major-requirements>

END OF MAJOR

====Sociology A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See

additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)

SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE	
	AND			AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)
b) SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 321	Race, Ethnicity and Inequality in the United States	(3)
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE		
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COMPARABLE COURSE		
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE		
b) SOCIOL 30A	Multicultural Societies	(3)	SOC 321	Race, Ethnicity and Inequality in the United States	(3)
			<u>OR</u>		
			SOC 482	Sociology of Race, Ethnicity and Inequality - Honors	(3)
SOCIOL 30B	Multicultural Societies	(3)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	OR			OR	

ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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ONE COURSE FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE	
HISTORY 4B	Western Civ	(4)	HIST 300 <u>&</u> History of Western Civilization	(3)
			HIST 302 History of Western Civilization	(3)
HISTORY 4C	Western Civ	(4)	HIST 302 History of Western Civilization	(3)
HISTORY 6	Intro to Middle East	(4)	HIST 380 History of the Middle East	(3)
HISTORY 7A	Latin America to 1700	(4)	NO COMPARABLE COURSE	
HISTORY 7B	Latin America 1700-1900	(4)	NO COMPARABLE COURSE	
HISTORY 7C	Latin America 1900-Present	(4)	NO COMPARABLE COURSE	
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE	
HISTORY 9A	East Asian Civ	(4)	HIST 364 <u>&</u> Asian Civilization	(3)
			HIST 365 Asian Civilization	(3)
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE	
HISTORY 10C	World History III	(4)	HIST 309 World History in the Twentieth Century	(3)
HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED	
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED	
HISTORY 17A	U.S. History	(4)	HIST 310 History of the United States	(3)
			<u>OR</u>	
			HIST 483 History of the United States - Honors	(3)
HISTORY 17B	U.S. History	(4)	HIST 311 History of the United States	(3)
			<u>OR</u>	
			HIST 484 History of the United States - Honors	(3)

ONE COURSE FROM THE FOLLOWING:

PHILOS 5	Critical Reasoning	(4)	PHIL 320 Logic and Critical Reasoning	(3)
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368 Law, Justice, and Punishment	(3)
PHILOS 24	Intro to Ethics	(4)	PHIL 310 Introduction to Ethics	(3)

END OF MAJOR

b) If a student takes SOCIOLOGY 321 at Sacramento City College, credit will be given for UC Davis Sociology 4 or Sociology 30A, not both

====Sociology A.B. (Comparative Studies and World Development)====
Special Advising Note:

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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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)		SOC 300	Introductory Sociology	(3)
				<u>OR</u>		
				SOC 480	Introductory Sociology - Honors	(3)
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SOCIOL 5	Global Soc Change	(4)		NO COMPARABLE COURSE		
<hr/>						
SOCIOL 46A	Intro Social Rsch	(4)		NO COMPARABLE COURSE		
	AND				AND	
SOCIOL 46B	Intro Social Rsch	(5)		NO COMPARABLE COURSE		
<hr/>						
ECON 1B	Princ of Macroecon	(4)		ECON 302	Principles of Macroeconomics	(3)
<hr/>						
ANTHRO 2	Cultural Anthropology	(5)		ANTH 310	Cultural Anthropology	(3)
				<u>OR</u>		
				ANTH 481	Honors Cultural Anthropology	(3)
	OR				OR	
ANTHRO 20	Comparative Cultures	(4)		NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
<hr/>						
HISTORY 10C	World History III	(4)		HIST 309	World History in the Twentieth Century	(3)

	OR		OR	
POL SCI 2	Intro Comp Politics	(4)	POLS 302	Introduction to Government: Foreign
				(3)

Course work in one modern foreign language at the two-year level, or provide proof of proficiency (27-30 quarter units).

END OF MAJOR

====Sociology A.B. (Law & Society)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
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			<u>OR</u>	SOC 480	Introductory Sociology - Honors	(3)
SOCIOL 3	Social Problems	(4)		SOC 301	Social Problems	(3)
			<u>OR</u>	SOC 481	Social Problems - Honors	(3)
b) SOCIOL 4	<u>OR</u> Immigrtn & Opprtnty	(4)		SOC 321	<u>OR</u> Race, Ethnicity and Inequality in the United States	(3)
SOCIOL 11	<u>OR</u> Sociology of Labor and Employment	(4)		NO COMPARABLE COURSE	<u>OR</u>	
SOCIOL 46A	Intro Social Rsch	(4)		NO COMPARABLE COURSE		
SOCIOL 46B	<u>AND</u> Intro Social Rsch	(5)		<u>AND</u> NO COMPARABLE COURSE		

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)		ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>	ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
POL SCI 1	Amer Natl Govt	(4)		POLS 301	Introduction to Government: United States	(3)
			<u>OR</u>	POLS 481	Introduction to Government: United States - Honors	(3)
POL SCI 3	Internatl Relations	(4)		POLS 310	Introduction to International Relations	(3)
			<u>OR</u>	POLS 480	Introduction to International Relations -Honors	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)		POLS 322	Political Ideologies	(3)
POL SCI 7	Law & Politics	(4)		PHIL 368	Law, Justice, and Punishment	(3)

4 QUARTER UNITS FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)		NO COMPARABLE COURSE		
HISTORY 4B	Western Civ	(4)		HIST 300 <u>&</u>	History of Western Civilization	(3)
				HIST 302	History of Western Civilization	(3)
HISTORY 4C	Western Civ	(4)		HIST 302	History of Western Civilization	(3)
HISTORY 6	Intro to Middle East	(4)		HIST 380	History of the Middle East	(3)
HISTORY 7A	Latin America to 1700	(4)		NO COMPARABLE COURSE		
HISTORY 7B	Latin America 1700-1900	(4)		NO COMPARABLE COURSE		
HISTORY 7C	Latin America 1900-Present	(4)		NO COMPARABLE COURSE		
HISTORY 8	Indian Civilization	(4)		NO COMPARABLE COURSE		
HISTORY 9A	East Asian Civ	(4)		HIST 364 <u>&</u>	Asian Civilization	(3)

HISTORY 9B	East Asian Civ	(4)	HIST 365	Asian Civilization	(3)
HISTORY 10C	World History III	(4)	NO COMPARABLE COURSE		
			HIST 309	World History in the Twentieth Century	(3)
HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED		
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED		
HISTORY 17A	U.S. History	(4)	HIST 310	History of the United States	(3)
			<u>OR</u>		
			HIST 483	History of the United States - Honors	(3)
HISTORY 17B	U.S. History	(4)	HIST 311	History of the United States	(3)
			<u>OR</u>		
			HIST 484	History of the United States - Honors	(3)

PHILOS 5	Critical Reasoning	(4)	PHIL 320	Logic and Critical Reasoning	(3)
			<u>OR</u>		
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368	Law, Justice, and Punishment	(3)
			<u>OR</u>		
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)

END OF MAJOR

b) If a student takes SOCIOLOGY 321 at Sacramento City College, credit will be given for UC Davis Sociology 4 or Sociology 30A, not both

====Sociology A.B. (Social Services)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option

from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
<hr/>					
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)
<hr/>					
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	<u>AND</u>			<u>AND</u>	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
<hr/>					
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)

6-8 QUARTER UNITS FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE		
AF-AMST 15	Intro Afro Amer Hum	(4)	NO COMPARABLE COURSE		
A A STD 1	Hist Exp Asian Am	(4)	ETHNS 330	The Asian American Experience in America	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)	ETHNS 340	Chicanos/Mexican Americans in the U.S.	(3)
CHICANO 50	Chicano Culture	(4)	ETHNS 341	The Sociology & Psychology of Mexicans and Latinos in the U.S.	(3)
N A STD 1	Intro NA Studies	(4)	ETHNS 350	Introduction to Native American Studies	(3)
			<u>OR</u>		
			ETHNS 351	Native American Culture and the Impact of Federal Policy	(3)
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE		
b) SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 321	Race, Ethnicity and Inequality in the United States	(3)
SOCIOL 11	Sociology of Labor and	(4)	NO COMPARABLE COURSE		

b) SOCIOL 30A	Employment Multicultural Societies	(3)	SOC 321	Race, Ethnicity and Inequality in the United States	(3)
			<u>OR</u> SOC 482	Sociology of Race, Ethnicity and Inequality - Honors	(3)
SOCIOL 30B	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

b) If a student takes SOCIOLOGY 321 at Sacramento City College, credit will be given for UC Davis Sociology 4 or Sociology 30A, not both

====Sociology-Organizational Studies A.B.====

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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
	AND			AND	
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
b) SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 321	Race, Ethnicity and Inequality in the United States	(3)
	OR			OR	
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE		
	OR			OR	
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COMPARABLE COURSE		
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND			AND	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	AND			AND	
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)

END OF MAJOR

b) If a student takes SOCIOLOGY 321 at Sacramento City College, credit will be given for UC Davis Sociology 4 or Sociology 30A, not both

====Spanish A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SPANISH 1	Elementary Spanish	(5)	SPAN 401	Elementary Spanish	(4)
SPANISH 2	Elementary Spanish	(5)	SPAN 401 & SPAN 402	Elementary Spanish	(4)
SPANISH 3	Elementary Spanish	(5)	SPAN 402	Elementary Spanish	(4)
SPANISH 21	Intm Spanish	(5)	SPAN 411	Intermediate Spanish	(4)
SPANISH 22	Intm Spanish	(5)	SPAN 412	Intermediate Spanish	(4)
SPANISH 23	Span Comp I	(4)	NO COMPARABLE COURSE		
SPANISH 24	Span Comp II	(4)	NO COMPARABLE COURSE		
OR			OR		
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 413	Spanish for Native Speakers I	(4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 415	Spanish for Native Speakers II	(4)
SPANISH 33	Int Span Nat Spk III	(5)	NO COMPARABLE COURSE		

It is recommended that transfer students who have successfully completed a two-year sequence at the junior college level comparable to UC Davis Spanish 1 through 22 continue their study at UC Davis by taking Spanish 23. When available at the community college students are encouraged to complete courses comparable to Spanish 23 and 24. Students should consult a Spanish Department advisor at UC Davis upon enrollment.

LINGUIS 1	Intro Linguistics	(4)	ANTH 341	Introduction to Linguistics	(3)
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END OF MAJOR

====Statistics A.B.====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
	OR		OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30				
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE
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END OF MAJOR

====Statistics B.S. (Applied Statistics Option)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
	OR		MATH 401	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 350	Calculus for the Life and Social Sciences I	(3)
MATH 17B	Calculus for Biosci	(4)	MATH 351	Calculus for the Life and Social Sciences II	(3)
MATH 17C	Calculus for BioSci	(4)	MATH 352	Calculus for Biology and Medicine	(2)
	OR		OR		
MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

NOTE: THE MATH 21A,B,C SERIES IS RECOMMENDED IF AVAILABLE

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	OR		OR		
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30		OR		
	OR		CISP 401	Object Oriented Programming with Java	(4)
ENG CS 36B	Object-Oriented Program	(4)	OR		
	Formerly ENG CS 40		CISP 400	Object Oriented Programming with C++	(4)

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		OR		
			STAT 480	Introduction to Probability and	(4)

			Statistics - Honors
		<u>OR</u>	
STATIST 32	Gateway to Data Science	(4)	ECON 310 Economic Statistics (3)
			NO COMPARABLE COURSE

PLUS TWO INTRODUCTORY COURSES SERVING AS THE PREREQUISITE TO UPPER DIVISION COURSES IN A CHOSEN DISCIPLINE TO WHICH STATISTICS IS APPLIED.

END OF MAJOR

====Statistics B.S. (Computational Statistics Option)====
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](http://ucdavis.edu/transfer-admission). 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](http://ucdavis.edu/general-catalog) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)

ENG CS 36C	Data Structures	(4)	CISP 430	Data Structures	(4)
Formerly ENG CS 60					

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to (4)
Same as: STATIST 13Y				Probability and Statistics
			<u>OR</u>	
			STAT 480	Introduction to (4)
				Probability and Statistics - Honors
			<u>OR</u>	
			ECON 310	Economic Statistics (3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

END OF MAJOR

====Statistics B.S. (General Statistics Option)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19

[General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
OR			OR		
MATH 67	Modern Linear Algebra	(4)	NO COMPARABLE COURSE		

MATH 25	Advanced Calculus	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		

ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
Formerly ENG CS 10					
OR			OR		
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
Formerly ENG CS 30					
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
OR			OR		
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
Formerly ENG CS 40					

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

AND ONE COURSE FROM

STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			OR		
			ECON 310	Economic Statistics	(3)
STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

====Statistics B.S. (Statistical Data Science Track)====

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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)

ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30				
	OR		OR		
			CISP 401	Object Oriented Programming with Java	(4)
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
	OR		OR		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
	OR		OR		
			ECON 310	Economic Statistics	(3)
	OR			OR	

END OF MAJOR

====Sustainable Agriculture and Food Systems B.S.====

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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.

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College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division

coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

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COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
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PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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CM&RGDE 20	Food Systems	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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PL PATH 40	Edible Mushroom Cult	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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	OR		OR	
PL SCI 49	Org Crop Prod Prac	(3)	NO COMPARABLE COURSE	

Select one of the following courses:

AN SCI 41L	Domest An Prod Lab	(2)	NO COMPARABLE COURSE	
AN SCI 49A	Animal Prac/Aquaculture	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49B	Animal Prac/Beef	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49C	Animal Prac/Dairy	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49D	Animal Prac/Goats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49E	Animal Prac/Horses	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49F	Animal Prac/Lab Animals	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49G	Animal Prac/Meats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49H	Animal Prac/Poultry	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49I	Animal Prac/Sheep	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AN SCI 49J	Animal Prac/Swine	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE	
	OR		OR	
ABIOSYT 52	Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not	

|submitted course(s)for articulation

PLUS CHOOSE ONE OF THE FOLLOWING THREE TRACKS:

TRACK I: AGRICULTURE AND ECOLOGY

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
			BIOL 422	Animal Biology	(5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE		
FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368	Law, Justice, and Punishment	(3)
	<u>OR</u>		<u>OR</u>		
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	<u>OR</u>		<u>OR</u>		
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322	Political Ideologies	(3)
	<u>OR</u>		<u>OR</u>		
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		
			SOC 480	Introductory Sociology - Honors	(3)
	<u>OR</u>		<u>OR</u>		
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)

TRACK II: FOOD AND SOCIETY

PHILOS 5	Critical Reasoning	(4)	PHIL 320	Logic and Critical	(3)
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	OR		Reasoning	
PHILOS 31	Scientific Reason	(4)	OR NO COMPARABLE COURSE	
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 368 Law, Justice, and Punishment	(3)
PHILOS 15	OR Intro to Bioethics	(4)	OR NO COMPARABLE COURSE	
PHILOS 24	OR Intro to Ethics	(4)	OR PHIL 310 Introduction to Ethics	(3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
STATIST 13	OR Elementary Statistics	(4)	OR STAT 300 Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		OR STAT 480 Introduction to Probability and Statistics - Honors	(4)
			OR ECON 310 Economic Statistics	(3)
CHEM 2A	Genl Chemistry	(5)	CHEM 400 General Chemistry I	(5)
BIOLSCI 10	Everyday Biology	(4)	BIOL 305 Natural History	(4)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & Plant Biology	(5)
	OR		BIOL 422 Animal Biology	(5)
ENV S&P 1	Env Analysis	(4)	OR NO COMPARABLE COURSE	
ENV S&P 30	OR Global Ecosystem	(3)	OR GEOG 310 Human Geography: Exploring Earth's Cultural Landscapes	(3)
	Same as: ENV SC&M 30			
W&F BIO 10	OR Wildl Ecol Conserve	(4)	OR NO COMPARABLE COURSE	
W&F BIO 51	OR Intro to Conservation Biology	(3)	OR NO COMPARABLE COURSE	
FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE	
SOILSCI 10	Soils in Our Environment	(3)	NO COMPARABLE COURSE	
ECON 1A	Princ of Microecon	(4)	ECON 304 Principles of Microeconomics	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322 Political Ideologies	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310 Cultural Anthropology	(3)
			OR ANTH 481 Honors Cultural Anthropology	(3)
SOCIOL 1	OR Intro Sociology	(5)	OR SOC 300 Introductory Sociology	(3)
			OR SOC 480 Introductory Sociology - Honors	(3)
	OR		OR	

SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
			<u>OR</u>		
			SOC 481	Social Problems - Honors	(3)

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
CM&RGDE 2	Ethnicity Amer Comm	(4)	ETHNS 300	Introduction to Ethnic Studies	(3)

TRACK III: ECONOMICS AND POLICY

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)

SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
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BIOLSCI 10	Everyday Biology	(4)	BIOL 305	Natural History	(4)
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PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
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BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 &	Plant Biology	(5)
	<u>OR</u>		BIOL 422	Animal Biology	(5)

ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		

ENV S&P 30	Global Ecosystem	(3)	GEOG 310	Human Geography: Exploring Earth's Cultural Landscapes	(3)
	Same as: ENV SC&M 30		<u>OR</u>		

W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		

W&F BIO 51	Intro to Conservation Biology	(3)	NO COMPARABLE COURSE		
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FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
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SOILSCI 10	Soils in Our Environment	(3)	NO COMPARABLE COURSE		
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ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)

POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 322	Political Ideologies	(3)
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ANTHRO 2	Cultural Anthropology	(5)	OR	ANTH 310	Cultural Anthropology	(3)
				OR		
				ANTH 481	Honors Cultural Anthropology	(3)
			OR			
SOCIOL 1	Intro Sociology	(5)		SOC 300	Introductory Sociology	(3)
				OR		
				SOC 480	Introductory Sociology - Honors	(3)
			OR			
SOCIOL 3	Social Problems	(4)		SOC 301	Social Problems	(3)
				OR		
				SOC 481	Social Problems - Honors	(3)

CM&RGDE 1	The Community	(4)		NO COMPARABLE COURSE		
PHILOS 14	Eth Soc Prob in Soc	(4)		PHIL 368	Law, Justice, and Punishment	(3)
			OR			
PHILOS 15	Intro to Bioethics	(4)		NO COMPARABLE COURSE		
			OR			
PHILOS 24	Intro to Ethics	(4)		PHIL 310	Introduction to Ethics	(3)

END OF MAJOR

====Sustainable Environmental Design B.S.====

Special Advising Note:

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College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

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COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public (3) Speaking
<hr/>				
ENGLISH 3	Intro to Lit	(4)	ENGWR 301	College Composition (3) and Literature
			OR	
			ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
	OR		OR	
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition (3)
	OR		OR	
UWRITING 48	Style in the Essay	(4)	ENGWR 302	Advanced Composition (3) and Critical Thinking
	Formerly UWRITING 18			
	OR		OR	
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE	
	Formerly UWRITING 19			

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 412 & Plant Biology	(5)
				BIOL 422 Animal Biology	(5)

ALL OF THE FOLLOWING COURSES:

LND ARC 1	Intro Environ Design	(4)		NO COMPARABLE COURSE
LND ARC 2	Place,Culture,Community	(4)		NO COMPARABLE COURSE
LND ARC 3	Sustainable Development	(4)		NO COMPARABLE COURSE
LND ARC 21	Landscape Rep I	(4)		NO COMPARABLE COURSE
	Formerly Design Visualization			
LND ARC 30	History Environ Design	(4)		NO COMPARABLE COURSE
LND ARC 50	Site Ecology	(4)		NO COMPARABLE COURSE
LND ARC 70	Intro to Spacemaking	(4)		NO COMPARABLE COURSE

AND ONE COURSE IN A PHYSICAL SCIENCE

END OF MAJOR

====Textiles and Clothing B.S. (Marketing/Economics)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE	
	OR		OR	
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE COURSE	
	OR		OR	
ENG CS 36A	Programming	(4)	CISP 360	Introduction to (4)
Formerly ENG CS 30				Structured Programming
			OR	
			CISP 401	Object Oriented (4)
				Programming with Java

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of (3)
				Microeconomics
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of (3)
				Macroeconomics

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
	<u>OR</u>		<u>OR</u>		
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 304	Ancient Art	(3)
	<u>OR</u>		<u>OR</u>		
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 306 & ARTH 308	Medieval Art Renaissance Tradition in Art	(3)
	<u>OR</u>		<u>OR</u>		
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 308 & ARTH 310	Renaissance Tradition in Art Modern Art	(3)
	<u>OR</u>		<u>OR</u>		
ARTHI 1D	Arts of Asia	(4)	ARTH 332	Asian Art	(3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)
TEX&CL 6	Intro Textiles	(4)	FASHN 320	Textiles	(3)
TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE		
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		
MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting	(4)
CHEM 10	Concept of Chem	(4)	CHEM 330	Adventures in Chemistry	(4)
	<u>OR</u>		<u>OR</u>		
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	NO COMPARABLE COURSE	
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE	
MATH 16C	Short Calculus	(3)	MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
			MATH 401	Calculus II (5)

Foreign language units may be used to satisfy any or all of the required 12 units.

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

====Textiles and Clothing B.S. (Textile Science)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE)

English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE	
	OR		OR	
B) ENG CS 15	Intro to Computers	(4)	NO COMPARABLE COURSE	
	OR		OR	
ENG CS 36A	Programming	(4)	CISP 360	Introduction to (4)
Formerly ENG CS 30				Structured Programming
			OR	
			CISP 401	Object Oriented (4)
				Programming with Java

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of (3)
				Microeconomics
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of (3)
				Macroeconomics

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>		
			ANTH 481	Honors Cultural Anthropology	(3)
			<u>OR</u>		
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
			<u>OR</u>		
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 304	Ancient Art	(3)
			<u>OR</u>		
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 306 &	Medieval Art	(3)
			ARTH 308	Renaissance Tradition in Art	(3)
			<u>OR</u>		
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 308 &	Renaissance Tradition in Art	(3)
			ARTH 310	Modern Art	(3)
			<u>OR</u>		
ARTHI 1D	Arts of Asia	(4)	ARTH 332	Asian Art	(3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
			<u>OR</u>		
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)
			<u>OR</u>		
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
			<u>OR</u>		
SOCIOL 2	Self and Society	(4)	PSYC 320	Social Psychology	(3)
			<u>OR</u>		
STATIST 13	Elementary Statistics	(4)	STAT 300	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 480	Introduction to Probability and Statistics - Honors	(4)
			<u>OR</u>		
			ECON 310	Economic Statistics	(3)

TEX&CL 6	Intro Textiles	(4)	FASHN 320	Textiles	(3)
TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE		
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
			MATH 400	Calculus I	(5)

RESTRICTED ELECTIVES (16 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	NO COMPARABLE COURSE		
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
k) CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry II	(5)

DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE	
MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting (4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting (4)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
			MATH 401	Calculus II (5)
MATH 16C	Short Calculus	(3)	MATH 351	Calculus for the Life (3) and Social Sciences II
			<u>OR</u>	
			MATH 401	Calculus II (5)
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE	

Foreign language units may be used to satisfy any or all of the required 16 units.

END OF MAJOR

- B) **UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.**
- k) **If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.**

====Theatre and Dance A.B.====

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.

Transfer students must also meet UC transfer admission requirements. For details, see the UC Davis [transfer admission webpage](#). 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.

All students completing a major in theatre and dance must participate in dramatic productions, including work in at least two of the following three areas: acting/dance; design (scenic, costume, lighting, painting, props, sound); directing/playwriting/stage management and crew assignments. Transfer students should see the major advisor at UC Davis for an evaluation of their previous experience.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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.

Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

NOTE: Lower-division preparation for the Honors A.B. major in Theatre and Dance is the same as that below.

ONE COURSE FROM THE FOLLOWING:

DRAMART 21A	Fundamentals of Act	(4)	TA 351 Theory and Techniques of (3)
			Acting II
DRAMART 40A	Beg Modern Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 40B	Int Modern Dance	(2)	NO COMPARABLE COURSE
DRAMART 42A	Beg Ballet	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 42B	Inter Ballet	(2)	NO COMPARABLE COURSE

ALL OF THE FOLLOWING COURSES:

DRAMART 28	Stagecraft & Management	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 55	Cont Theatre Dance Perf	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 56A	Hist Theatre Dance I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 56B	Hist Theatre Dance II	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 56C	Hist Theatre Dance III	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

====Viticulture and Enology B.S.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:
(for 2019-20)

This 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 transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete

courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the group. It is required that candidates have a cumulative GPA of at least 3.00 for courses in the group below that have been completed by the time of application and maintain the 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 Davis course equivalents:

General Chemistry 2A/B/C
Organic Chemistry 8A
Mathematics 16A
Physics 1A/B or 7A
Biological Sciences 2A

It is strongly recommended that students complete courses comparable to the following UC Davis courses; if taken, the student must have a GPA of at least 3.00 for the entire group of courses listed above and below. Courses must be taken for a letter grade, with no grade less than C:

Organic Chemistry 8B
Mathematics 16B
Plant Sciences 2

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum 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.

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 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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement

may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
	OR			OR	
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)
			CHEM 401	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
<hr/>					
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

OR EQUIVALENT AND advisor APPROVAL

MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			OR		
			MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 351	Calculus for the Life and Social Sciences II	(3)
			OR		
			MATH 401	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
	AND		AND
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE
	OR		OR
PHYSICS 7A	General Physics	(4)	PHYS 350 & General Physics (4)
			PHYS 360 General Physics (4)

It is highly recommended that students complete an entire physics series at their community college that is equivalent to the entire UC Davis Physics 7A/B/C series before transferring. Students who transfer without completing an entire series may be required to take additional physics courses upon arrival at UC Davis, and will need to meet with a UC Davis advisor before continuing with physics.

VIT-ENO 2	Intro to Viticult	(2)	NO COMPARABLE COURSE
VIT-ENO 3	Intro Winemaking	(3)	NO COMPARABLE COURSE

END OF MAJOR

===Wildlife, Fish and Conservation Biology B.S.===

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. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement 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.

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 Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. 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. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is

an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
	AND			AND	
COMUNCN 1	Intro Public Spkg	(4)	COMM 301	Introduction to Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 321	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	TA 342	Introduction to Acting	(3)
			OR		
			TA 350	Theory and Techniques of Acting I	(3)

Note: Completing UWP 1 and Communication 1 will simultaneously satisfy the College requirements.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 402	Cell and Molecular Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 412 & BIOL 422	Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 412 & BIOL 422	Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry I	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 401	General Chemistry II	(5)
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 350	Calculus for the Life and Social Sciences I	(3)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 400	Calculus I	(5)
			MATH 351	Calculus for the Life and Social Sciences II	(3)
			<u>OR</u>		
			MATH 401	Calculus II	(5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING (3-4 QUARTER UNITS):

W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE		
W&F BIO 50	Calif Wild Vertebrates	(3)	NO COMPARABLE COURSE		
W&F BIO 51	Intro to Conservation Biology	(3)	NO COMPARABLE COURSE		

RECOMMENDED COURSES FOR THE WILDLIFE HEALTH AREA OF SPECIALIZATION:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			<u>OR</u>		
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry I	(5)
			CHEM 425 &	Organic Chemistry with Biological Emphasis I	(4)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			<u>OR</u>		
k) CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry I	(5)
			CHEM 421	Organic Chemistry II	(5)
			CHEM 426	Organic Chemistry with Biological Emphasis II	(4)
			<u>OR</u>		
PHYSICS 7A	General Physics	(4)	CHEM 421	Organic Chemistry II	(5)
			PHYS 350 &	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 360	General Physics	(4)
			PHYS 350 &	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 360	General Physics	(4)
			PHYS 350 &	General Physics	(4)
			PHYS 360	General Physics	(4)

END OF MAJOR

k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.

====Worksheet UGA (ENG)=====

IMPORTANT ADVISORY REGARDING THIS WORKSHEET

This worksheet serves as an administrative tool and should not be used to determine specific major preparation for UC Davis College of Engineering majors.

View the "By Major" section of ASSIST to best assess the requirements for your major of interest.

This worksheet provides a listing of lower-division preparatory courses required for certain College of Engineering majors and may be helpful in correlation with review of the College of Engineering Transfer Credit Agreements (engineering grids) available at <http://engineering.ucdavis.edu/transfer-credit-agreements/>

MATH 21A	Calculus	(4)	MATH 400	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 401	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry I General Chemistry II	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
k) CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 425	Organic Chemistry with Biological Emphasis I	(4)
			<u>OR</u>		
			CHEM 420	Organic Chemistry I	(5)
k) CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 425 & CHEM 426	Organic Chemistry with Biological Emphasis I Organic Chemistry with Biological Emphasis II	(4) (4)
			<u>OR</u>		
			CHEM 420 & CHEM 421	Organic Chemistry I Organic Chemistry II	(5) (5)
k) CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry I	(5)
k) CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry I Organic Chemistry II	(5) (5)
k) CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry I	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 410 & PHYS 420 & PHYS 430	Mechanics of Solids and Fluids Electricity and Magnetism Heat, Waves, Light and Modern Physics	(5) (5) (5)
PHYSICS 9B	Classical Physics	(5)	PHYS 410 & PHYS 420	Mechanics of Solids and Fluids Electricity and Magnetism	(5) (5)

			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 410 &	Mechanics of Solids and Fluids	(5)
			PHYS 420 &	Electricity and Magnetism	(5)
			PHYS 430	Heat, Waves, Light and Modern Physics	(5)
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
BIMEDEN 20	Fundamentals of Bioengineering	(4)	NO COMPARABLE COURSE		
ENGIN 4	Graphics in Design	(3)	ENGR 312	Engineering Graphics	(3)
ENGIN 6	Engr Prob Solving	(4)	ENGR 405	Engineering Problem Solving	(3)
ENGIN 17	Circuits I	(4)	ENGR 400	Introduction to Electrical Circuits and Devices	(3)
ENGIN 35	Statics	(4)	ENGR 422	Engineering Mechanics, Statics	(3)
ENGIN 45	Prop of Mats	(4)	ENGR 412	Properties of Materials	(3)
ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CISP 360	Introduction to Structured Programming	(4)
	Formerly ENG CS 30		<u>OR</u>		
			CISP 401	Object Oriented Programming with Java	(4)
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				
ENG CS 50	Machine Dependent Prog	(4)	CISP 310	Assembly Language Programming for Microcomputers	(4)
ENG CS 36C	Data Structures	(4)	CISP 430	Data Structures	(4)
	Formerly ENG CS 60				
ENG BS 1	Biosys Engr Fndts	(4)	NO COMPARABLE COURSE		
ENG BS 75	Prop Mat in Bio Sys	(4)	NO COMPARABLE COURSE		
ENG MEC 50	Mfg Processes	(4)	NO COMPARABLE COURSE		
ENG CHM 51	Material Balances	(4)	NO COMPARABLE COURSE		
ENG CHM 60	Engineering Problem Solv	(4)	NO COURSE ARTICULATED		
ENG CHM 80	Chem Engr Profession	(1)	NO COMPARABLE COURSE		

ENG E&C 7	Prog & Microcontrollers	(4)		NO COURSE ARTICULATED	
UWRITING 1	Expository Writing	(4)		ENGWR 300	College Composition (3)
ENGLISH 3	Intro to Lit	(4)		ENGWR 301	College Composition (3) and Literature
				<u>OR</u>	
				ENGWR 303	Argumentative Writing (4) and Critical Thinking Through Literature
COMUNCN 1	Intro Public Spkg	(4)		COMM 301	Introduction to Public (3) Speaking
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		COMM 321	Interpersonal (3) Communication
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 402	Cell and Molecular (5) Biology
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 412 & BIOL 422	Plant Biology (5) Animal Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 412 & BIOL 422	Plant Biology (5) Animal Biology (5)
c) GEOLOGY 50 j)	Physical Geology	(3)		GEOL 302	Physical Geology (4)
ATM SCI 60	Intro to Atmospheric Science	(4)		NO COMPARABLE COURSE	

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- k) If a student takes CHEM 420,421 at Sacramento City College, credit will be given for UC Davis's CHEM 118A,B,C series OR the 128A,B,C,129A,B,C series, not both.
- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- j) If a student takes GEOL 302 at Sacramento City College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.