

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)
			<u>OR</u>		
			PSYC 480	Honors General Principles	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE		
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE		
AMR STD 10	Intro American Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
A A STD 1	Hist Exp Asian Am	(4)	HIST 325	History of Asian/Pacific Americans	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	HIST 325	History of Asian/Pacific Americans	(3)
WOM STD 50	Intro Gender Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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)	DANCE 310	Jazz Dance I	(1)
DRAMART 41B	Inter Jazz Dance	(2)	DANCE 312	Jazz Dance II	(1)
DRAMART 44A	Beg Hip Hop Dance	(2-4)	DANCE 351	Urban Hip Hop I	(1)
DRAMART 44B	Inter Hip Hop Dance	(2-4)	NO COMPARABLE COURSE		
MUSIC 28	Introduction to African American Music	(4)	NO COMPARABLE COURSE		

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)	HORT 305	Plant Identification-Fall Selections	(3)
			OR		
			HORT 306	Plant Identification-Spring Selections	(3)
n) PL SCI 5	Plants Gard, Orch & Land	(2)	HORT 305	Plant Identification-Fall Selections	(3)
			OR		
			HORT 306	Plant Identification-Spring Selections	(3)

ENV S&P 10	Current Issues in Environment	(3)	NATR 300	Introduction to Natural Resource Conservation and Policy	(4)
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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 COURSE ARTICULATED: College has not submitted course(s) for articulation
HYDRO S 10	Water, Power, Society	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
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 400	Principles of Biology	(5)	
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)	
			OR	BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

m) GEOLOGY 1	The Earth	(4)	GEOL 300	Physical Geology	(3)
GEOLOGY 20	California Geology	(2)	GEOL 345	Geology of California	(3)
SOILSCI 10	Soils in Our Environment	(3)	HORT 302	Soils, Soil Management, and Plant Nutrition	(3)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR		OR		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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 General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics General Physics	(4) (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

n) If a student takes HORT 305 or 306 at American River College, credit will be given either for UC Davis's ENVHORT 6 or PLT SCI 5, not both. UC

Transfer Agreement states: HORT 305 and 306 combined - maximum credit, one course.

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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:

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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 COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

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 21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AMR STD 25	U.S. as Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AMR STD 30	Amr Images Pop Cult	(4)	SOC 350 Sociology of Popular Culture	(3)
AMR STD 55	Food in Amer Culture Same as: FD S&T 55	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
AMR STD 59	Music and American Culture	(4)	NO COURSE ARTICULATED: College has not submitted courses for articulation	

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)	HIST 325 History of Asian/Pacific Americans	(3)
CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
N A STD 1	Intro NA Studies	(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)
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE	
WOM STD 50	Intro Gender Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

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)	HIST 330 Women in American History	(3)

ONE COURSE FROM THE FOLLOWING:

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>	
			ENGWR 481	Honors College (3) Composition and Literature
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGLT 310	English Literature I (3)
d) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGLT 311	English Literature II (3)
			<u>OR</u>	
			ENGLT 320	American Literature (3)
d) ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGLT 311	English Literature II (3)
			<u>OR</u>	
			ENGLT 321	American Literature (3) II
FILM ST 1	Intro to Film Studies	(4)	TA 310	Introduction to Film (3)
			<u>OR</u>	
			TA 312	History of Film (3)

Formerly Humanities 10

END OF MAJOR

d) If a student takes ENGLT 311 at American River 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:

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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.

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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.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)

Tree of Life			<u>OR</u>	BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)	
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry	(5)	
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)	
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)	
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)	
<u>OR</u>			<u>OR</u>			
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)	
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry	(5)	
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)	
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)	
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)	
<u>OR</u>			<u>OR</u>			
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)	
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)	
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)	
<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 & 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.						
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)	
Same as: STATIST 13Y			<u>OR</u>			
			STAT 300	Introduction to Probability and Statistics	(4)	
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

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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:

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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 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 400	Principles of Biology (5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
				<u>OR</u>	
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany (5) Principles of Zoology (5)
				<u>OR</u>	
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
<hr/>					
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry (5) General Chemistry (5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey (5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey (5)
<hr/>					
PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE	
	<u>OR</u>			<u>OR</u>	
B) ENG CS 15	Intro to Computers	(4)		CISC 310	Introduction to Computer Information (3)

Science

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting	(4)
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation

EQUINE SPECIALIZATION

AN SCI 15 Intro Horse Hub (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 COURSE ARTICULATED: College has not submitted course(s) for articulation

POULTRY SPECIALIZATION

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

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18 Business Law (4) | BUS 340 Business Law (3)

END OF MAJOR

- g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**
- 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.

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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.

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

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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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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 COURSE ARTICULATED: College has not submitted course(s) for articulation

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				OR		
				OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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

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

AVIAN SCIENCES

AV SCI 13 Birds, Humans & Env (3) | NO COMPARABLE COURSE

COMPANION AND CAPTIVE ANIMALS

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

EQUINE SCIENCE

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

LABORATORY ANIMALS

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

POULTRY

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

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====Anthropology 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.

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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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EVOLUTIONARY EMPHASIS:

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			OR		
			ANTH 480	Honors Physical Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			OR		
			ANTH 481	Honors Cultural Anthropology	(3)
f) ANTHRO 3	Intr to Archaeology	(4)	ANTH 320	Introduction to Archaeology and World Prehistory	(3)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 15	Human Life Cycle	(5)	PSYC 370	Human Development: A Life Span	(3)
f) ANTHRO 23	Intr World Prehist	(4)	ANTH 320	Introduction to Archaeology and World Prehistory	(3)
ANTHRO 24	Ancient Crops and People	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ANTHRO 50	Evolution and Human	(4)	NO COURSE	ARTICULATED: College has not	

Nature			submitted course(s)for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	PSYC 330 Introductory Statistics for the Behavioral Sciences (3)
	Same as: STATIST 13Y		
			<u>OR</u>
			STAT 300 Introduction to Probability and Statistics (4)
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)
f) ANTHRO 3	Intr to Archaeology	(4)	ANTH 320 Introduction to Archaeology and World Prehistory (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 COURSE ARTICULATED: College has not submitted course(s) for articulation
	Same as: SCI&TEC 32		
ANTHRO 34	Cultures of Consumerism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

f) If a student takes ANTH 320 at American River College, credit will be given for UC Davis's ANTHRO 3 or 23, not both.

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

Special Advising Note:

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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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			<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)
f) ANTHRO 3	Intr to Archaeology	(4)	ANTH 320	Introduction to Archaeology and World Prehistory	(3)
<hr/>					
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 &	Principles of Biology	(5)
			BIOL 410 &	Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology:	(5)	BIOL 410 &	Principles of Botany	(5)

	Biodiversity & the Tree of Life		BIOL 420 <u>OR</u> BIOL 415	Principles of Zoology (5) Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry (5) General Chemistry (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey (5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey (5)
	<u>OR</u>			<u>OR</u>
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry (5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry (5) Organic Chemistry (5)
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II (5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II (5)
	<u>OR</u>			<u>OR</u>
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I (4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II (4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II (4)
	<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)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences (3)
	Same as: STATIST 13Y		<u>OR</u>	
			STAT 300	Introduction to Probability and Statistics (4)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

END OF MAJOR

- f) If a student takes ANTH 320 at American River College, credit will be given for UC Davis's ANTHRO 3 or 23, not both.
- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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](#) 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.

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 COURSE ARTICULATED: College has not submitted course(s)for articulation		

or equivalent basic knowledge of MATLAB.

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
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AND

AND

MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		
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OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not		
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|submitted course(s) for articulation

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 COURSE ARTICULATED: College has not
Formerly ENG CS 10 |submitted course(s) for articulation
ENGIN 6 Engr Prob Solving (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.

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
				<u>OR</u>		
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
				<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)
				<u>OR</u>		
PHYSICS 9A	Classical Physics	(5)		PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 431	Heat, Waves, Light and Modern Physics	(4)
				<u>OR</u>		
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

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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 and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		

COMPUTATIONAL PHYSICS CONCENTRATION

ENG CS 36A	Programming Formerly ENG CS 30	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
			OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CISP 400	Object Oriented Programming with C++	(4)
			OR		
			CISP 401	Object Oriented Programming with Java	(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.

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

PHYSICAL ELECTRONICS CONCENTRATION

ENGIN 17	Circuits I	(4)		ENGR 401	Introduction to	(4)
					Electrical Circuits	
					and Devices	
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

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 302	Art: Stone Age through the Middle Ages	(3)
			OR		
			ARTH 322	Art History of the Non-Western World	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 308	Renaissance Tradition in Art	(3)
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 310	Modern Art	(3)
			OR		
			ARTH 334	International Contemporary Art	(3)
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE		
ARTHI 1E	Islamic Art & Architecture	(4)	ARTH 333	Introduction to Islamic Art	(3)
ARTHI 5	Visual Culture	(4)	NO COMPARABLE COURSE		
ARTHI 25	Understanding Architecture	(4)	NO COMPARABLE COURSE		

ONE ART STUDIO COURSE FROM:

q) ART 2	Beginning Drawing	(4)	ART 300	Drawing and Composition I	(3)
ART 5	Beginning Sculpture	(4)	ART 372	Sculpture	(3)
			OR		
			ART 373	Intermediate Sculpture	(3)
ART 7	Beginning Painting	(4)	ART 327	Painting I	(3)
ART 8	Beginning Ceramic Sculpture	(4)	ART 390	Ceramics	(3)
			OR		
			ART 391	Intermediate Ceramics	(3)
ART 9	Beginning Photography	(4)	ARTPH 300	Basic Art Photography	(3)
ART 11	Beginning Printmaking	(4)	NO COMPARABLE COURSE		
ART 12	Beginning Video	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ART 24	Intro Experimental Video and Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

q) If a student takes ART 300 at American River College, credit will be given for UC Davis's ART 2 or DESIGN 14, not both.

====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:

q) ART 2	Beginning Drawing	(4)	ART 300	Drawing and Composition (3)
				I
ART 5	Beginning Sculpture	(4)	ART 372	Sculpture (3)
			OR	
			ART 373	Intermediate Sculpture (3)
ART 7	Beginning Painting	(4)	ART 327	Painting I (3)
ART 8	Beginning Ceramic Sculpture	(4)	ART 390	Ceramics (3)
			OR	
			ART 391	Intermediate Ceramics (3)
ART 9	Beginning Photography	(4)	ARTPH 300	Basic Art Photography (3)
ART 11	Beginning Printmaking	(4)	NO COMPARABLE COURSE	
ART 12	Beginning Video	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

TWO LECTURE COURSES CHOSEN FROM THE FOLLOWING:

ART 24	Intro Experimental Video and Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
ART 30	Contemp Vis Culture	(4)	NO COMPARABLE COURSE	
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 302	Art: Stone Age through the Middle Ages (3)
			OR	
			ARTH 322	Art History of the Non-Western World (3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 308	Renaissance Tradition in Art (3)
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 310	Modern Art (3)
			OR	
			ARTH 334	International Contemporary Art (3)
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE	

ARTHI 1E	Islamic Art & Architecture	(4)		ARTH 333	Introduction to Islamic Art	(3)
ARTHI 5	Visual Culture	(4)		NO COMPARABLE COURSE		
ARTHI 25	Understanding Architecture	(4)		NO COMPARABLE COURSE		

END OF MAJOR

q) **If a student takes ART 300 at American River College, credit will be given for UC Davis's ART 2 or DESIGN 14, not both.**

====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)		HIST 325	History of	(3)
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A A STD 2	Contemp Issues of Asian Americans	(4)	HIST 325	Asian/Pacific Americans History of Asian/Pacific Americans	(3)
A A STD 3	Social & Psychological Perspectives of Asian Americans	(4)	NO COMPARABLE COURSE		
A A STD 4	Asian Amer Cultural Studies	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	

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 COURSE ARTICULATED:	College has not submitted course(s) for articulation	
AMR STD 21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
AMR STD 25	U.S. as Business Culture	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
AMR STD 30	Amr Images Pop Cult	(4)	SOC 350	Sociology of Popular Culture	(3)
AMR STD 55	Food in Amer Culture	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
Same as: FD S&T 55					
AMR STD 59	Music and American Culture	(4)	NO COURSE ARTICULATED:	College has not submitted courses for articulation	
CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 21	Hlth Care Issues	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 30	US Poli & Chicanos	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 50	Chicano Culture	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 65	New Latin American Cinema	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 70	Survey Chic Art	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
CHICANO 73	Art Expr Silk Scr	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE		
N A STD 5	Intro NA Literature	(4)	ENGLT 338	Native American Literature	(3)

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)	NO COMPARABLE COURSE
N A STD 34	NA Art Workshop	(4)	NO COMPARABLE COURSE
WOM STD 20	Cult Repr of Gndr	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 25	Gender & Global Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 50	Intro Gender Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 60	Feminist Critiques	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 70	Sexual:Thry&Hist	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AT LEAST TWO COURSES FROM THE FOLLOWING METHODS COURSES:			
ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
PSYCH 41	Research Methods	(4)	PSYC 335 Research Methods in Psychology (3)
SOCIO 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
SOCIO 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	PSYC 330 Introductory Statistics for the Behavioral Sciences (3)
Same as: STATIST 13Y			
OR			
			STAT 300 Introduction to Probability and Statistics (4)

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](#) 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 (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry (5)
				CHEM 401	General Chemistry (5)
<hr/>					
ENG CS 36A	Programming	(4)		CISP 300	Algorithm (3)
	Formerly ENG CS 30				Design/Problem Solving
				<u>OR</u>	
				CISP 360	Introduction to (4)
					Structured Programming
				<u>OR</u>	
				CISP 480	Honors Introduction to (5)
					Structured Programming

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 Science	(4)		NO COMPARABLE COURSE	
<hr/>					
PHYSICS 9A	Classical Physics	(5)		PHYS 410	Mechanics of Solids (5)
					and Fluids
PHYSICS 9B	Classical Physics	(5)		PHYS 431	Heat, Waves, Light and (4)
					Modern Physics
PHYSICS 9C	Classical Physics	(5)		PHYS 421	Electricity and (4)
					Magnetism
<hr/>					
STATIST 13	Elementary Statistics	(4)		PSYC 330	Introductory (3)
	Same as: STATIST 13Y				Statistics for the Behavioral Sciences
				<u>OR</u>	
				STAT 300	Introduction to (4)
					Probability and Statistics

PREPARATION FOR GRADUATION:

ENGIN 6	Engr Prob Solving	(4)		NO COMPARABLE COURSE
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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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry	(5)

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR		CHEM 401	General Chemistry	(5)
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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.

	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)

RECOMMENDED:

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

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
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)	PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)
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.

RECOMMENDED COURSES FOR THIS MAJOR:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
OR			OR		
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
			OR	OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
			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 General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics General Physics	(4) (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:

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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====Biological Systems 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

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
<hr/>						
BIOTECH 1Y	Introduction to Biotechnology	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 421	Organic Chemistry	(5)
				<u>OR</u>		
CHEM 128A	Organic Chemistry	(3)		CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128C	Organic Chemistry	(3)		CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)		CHEM 420	Organic Chemistry	(5)
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MATH 16A	Short Calculus	(3)		MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
				<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	and Medicine I Calculus for Biology and Medicine II	(4)
	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)

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 300	Algorithm Design/Problem Solving	(3)
	Formerly ENG CS 30				
			OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420 & BIOL 415	Principles of Botany Principles of Zoology Introduction to Biology: Biodiversity, Evolution, and Ecology	(5) (5) (5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
			OR	OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
			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 General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 & PHYS 360	General Physics General Physics	(4) (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.

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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not	
				submitted course(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not	
				submitted course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not	
				submitted course(s) for articulation	
PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
PHYSICS 9D	Modern Physics	(4)	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 22AL	Lin Alg Comp Lab	(1)	NO COURSE	ARTICULATED: College has not	
				submitted course(s)for articulation	
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)

END OF MAJOR

====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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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)
			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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)

	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

	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)

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

END OF MAJOR

====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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
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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)
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 COURSE	ARTICULATED: College has not submitted course(s)for articulation	
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(4)
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CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 129C	Organic Chem Lab	(2)	CHEM 421	Organic Chemistry	(5)

RECOMMENDED COURSES:

PHYSICS 9D Modern Physics (4) | NO COMPARABLE COURSE

END OF MAJOR

**====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	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry	(5)
				CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
	OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED:	College has not	
				submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED:	College has not	
				submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)		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)

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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)

OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

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 400	Principles of Biology	(5)
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STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
Same as: STATIST 13Y			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

OR			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)

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

END OF MAJOR

===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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)

	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

	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 400	Principles of Biology	(5)
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ENV TOX 20	Introduction to Forensic Science	(3)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
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STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				

			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

	OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)

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

END OF MAJOR

====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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 50	Chicano Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 21	Hlth Care Issues	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 65	New Latin American Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 70	Survey Chic Art	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 73	Art Expr Silk Scr	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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 COURSE ARTICULATED: College has not submitted course(s) for articulation
SPANISH 31	Int Span Nat Spk I	(5)	NO COMPARABLE COURSE
SPANISH 32	Int Span Nat Spk II	(5)	NO COMPARABLE COURSE
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](#). 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.

CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 50	Chicano Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 21	Hlth Care Issues	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 65	New Latin American Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 70	Survey Chic Art	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 73	Art Expr Silk Scr	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

CHICANO 23	Qualitative Research Methods	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
SPANISH 31	Int Span Nat Spk I	(5)	NO COMPARABLE COURSE
SPANISH 32	Int Span Nat Spk II	(5)	NO COMPARABLE COURSE

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 3	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 4	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 5	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 6	Inter Chinese	(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
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) | NO COMPARABLE COURSE
JPNESE 10 Masterworks in English (4) | NO COMPARABLE COURSE
LINGUIS 1 Intro Linguistics (4) | NO COMPARABLE COURSE
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](#). 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
Same as: ENG CS 12 | submitted course(s) for articulation

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
Same as: SCI&TEC 40A | submitted course(s) for articulation

CINE&TS 40B Media History 2 (4) | NO COURSE ARTICULATED: College has not
Same as: SCI&TEC 40B | submitted course(s) for articulation

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 (4) | NO COURSE ARTICULATED: College has not
the Present | submitted course(s) for articulation

FILM ST 45 Vampires (4) | NO COURSE ARTICULATED: College has not
Same as: GERMAN 45 | submitted course(s) for articulation

Select two of the following courses:

FILM ST 1 Intro to Film Studies (4) | TA 310 Introduction to Film (3)
| OR
| TA 312 History of Film (3)

Formerly Humanities 10

TCULST 1 Intro Technocultural (4) | NO COURSE ARTICULATED: College has not
Studies | submitted course(s) for articulation

TCULST 5 Media Archaeology (4) | NO COURSE ARTICULATED: College has not
| submitted course(s) for articulation

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 302	Art: Stone Age through the Middle Ages	(3)
			OR		
			ARTH 322	Art History of the Non-Western World	(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 340	World Literature I	(3)
PHILOS 21	Phil Classics: Ancient	(4)	PHIL 330	History of Classical Philosophy	(3)
REL STD 21	The Bible	(4)	HUM 360	Introduction to the Old Testament (The Hebrew Bible)	(3)
REL STD 40	New Testament	(4)	HUM 365	Introduction to the New Testament	(3)

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 submitted course(s)for articulation

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)
			<u>OR</u>		
			ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	(4)
			<u>OR</u>		
			ENGWR 481	Honors College Composition and Literature	(3)
	<u>OR</u>			<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
			<u>OR</u>		
			ENGWR 480	Honors College Composition	(3)
<hr/>					
COMUNCN 1	Intro Public Spkg	(4)	SPEECH 301	Public Speaking	(3)
			<u>OR</u>		
			SPEECH 302	Persuasive Speech	(3)
<hr/>					
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
<hr/>					
ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	<u>OR</u>			<u>OR</u>	
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
<hr/>					
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)

			<u>OR</u>	PSYC 480	Honors General Principles	(3)
SOCIOL 1	Intro Sociology	(5)		SOC 300	Introductory Sociology	(3)
			<u>OR</u>	SOC 480	Introductory Sociology - Honors	(3)
SOCIOL 3	<u>OR</u> Social Problems	(4)		SOC 301	Social Problems	(3)
ANTHRO 2	<u>OR</u> Cultural Anthropology	(5)		ANTH 310	Cultural Anthropology	(3)
			<u>OR</u>	ANTH 481	Honors Cultural Anthropology	(3)
STATIST 13	Elementary Statistics	(4)		PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y			<u>OR</u>		
				STAT 300	Introduction to Probability and Statistics	(4)

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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](#). 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)	NO COMPARABLE COURSE	
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 324	Symbolic Logic (3)
			Same as: MATH 320	
			OR	
			MATH 320	Symbolic Logic (3)
			Same as: PHIL 324	
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)
			OR	
			PSYC 480	Honors General Principles (3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology (3)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences (3)
	Same as: STATIST 13Y			
			OR	
			STAT 300	Introduction to Probability and Statistics (4)

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	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
	Formerly ENG CS 30				
			OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
ENG CS 34	UNIX & C++	(5)	NO COURSE	ARTICULATED	
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				
			OR		
			CISP 401	Object Oriented Programming with Java	(4)
ENG CS 50	Machine Dependent Prog	(4)	CISP 310	Assembly Language Programming for Microcomputers	(4)
ENG CS 32B	Intro to Data Structures	(4)			
	OR			OR	
ENG CS 36C	Data Structures	(4)	CISP 430	Data Structures	(4)
	Formerly ENG CS 60				
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	and Medicine I Calculus for Biology and Medicine II	(4)
	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 COURSE ARTICULATED: College has not submitted course(s)for articulation		
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 324	Symbolic Logic	(3)
			Same as: MATH 320		
			OR		
			MATH 320	Symbolic Logic	(3)
			Same as: PHIL 324		
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)
			OR		
			PSYC 480	Honors General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y		OR		
			STAT 300	Introduction to Probability and Statistics	(4)
<u>Emphasis 2: Neuroscience</u>					
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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)

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 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)
	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
			OR		
			PSYC 480	Honors General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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](#). 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)	NO COMPARABLE COURSE		
COMUNCN 1	Intro Public Spkg	(4)	SPEECH 301	Public Speaking	(3)
	OR		SPEECH 302	Persuasive Speech	(3)
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPEECH 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	
LINGUIS 5	Global English Comm	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
	Same as: COMUNCN 5				
COMUNCN 10Y	Intro to Communication	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
B) ENG CS 15	Intro to Computers	(4)	CISC 310	Introduction to	(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.

PHILOS 12	Intro to Symbol Logic	(4)	PHIL 324	Symbolic Logic	(3)
			Same as: MATH 320		
			MATH 320	Symbolic Logic	(3)
			Same as: PHIL 324		
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
			PSYC 480	Honors General Principles	(3)
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			SOC 480	Introductory Sociology - Honors	(3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y		STAT 300	Introduction to Probability and Statistics	(4)

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](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 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)		SPEECH 301	Public Speaking	(3)
				<u>OR</u>		

COMPLIT 1	Major Books-Ancient World	(4)	SPEECH 302 ENGLT 340	Persuasive Speech World Literature I	(3) (3)
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 340 & ENGLT 341	World Literature I World Literature II	(3) (3)
COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 341	World Literature II	(3)
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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)
			<u>OR</u>		
			ENGWR 481	Honors College Composition and Literature	(3)
N A STD 5	Intro NA Literature	(4)	ENGLT 338	Native American Literature	(3)
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
			<u>OR</u>		
			ENGWR 480	Honors College Composition	(3)
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)	ENGWR 302	Advanced Composition and Critical Thinking	(3)
			<u>OR</u>		
			ENGWR 482	Honors Advanced Composition and Critical Thinking	(3)
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)	NO COMPARABLE COURSE		
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
CM&RGDE 2	Ethnicity Amer Comm	(4)	NO COMPARABLE COURSE		
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
B) ENG CS 15	Intro to Computers	(4)	CISC 310	Introduction to Computer Information Science	(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.

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	<u>OR</u>		<u>OR</u>		
ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(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>		
SOCIOL 1	Intro Sociology	(5)	SOC 300	Introductory Sociology	(3)
			<u>OR</u>		

			SOC 480	Introductory Sociology - Honors	(3)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
			<u>OR</u>		
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](#). 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 340	World Literature I	(3)
	OR			OR	
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 340 & ENGLT 341	World Literature I World Literature II	(3) (3)
COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 341	World Literature II	(3)
	OR			OR	
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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 340	World Literature I	(3)
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 340 & ENGLT 341	World Literature I World Literature II	(3) (3)
COMPLIT 3	Major Books-The Modern Crisis	(4)	ENGLT 341	World Literature II	(3)
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 5	Fairy Tales, Fables, Parables	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 6	Myths & Legends	(4)	ENGLT 345	Mythologies of the World	(3)
COMPLIT 7	Lit:Fant,Supernatl	(4)	ENGLT 392	Science Fiction and Fantasy	(3)
COMPLIT 8	Utopias Transform	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 9	Short Story & Novella	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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		
e) COMPLIT 13	Dramatic Lit	(3)	ENGLT 382	Introduction to Dramatic Literature	(3)
COMPLIT 14	Intro Poetry	(3)	NO COMPARABLE COURSE		
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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE		
COMPLIT 53B	Lit of South Asia	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 53C	Lit of the Islamic World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

e) If a student takes ENGLT 382 at American River College, credit will be given at UC Davis for either ENGLISH 43 or COMPLIT 13, not both

====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

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)
	OR			OR	
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
	Formerly ENG CS 30		OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40		OR		
			CISP 401	Object Oriented Programming with Java	(4)
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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 &	Principles of Biology	(5)
				BIOL 410 &	Principles of Botany	(5)
				BIOL 420	Principles of Zoology	(5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 &	Principles of Botany	(5)
				BIOL 420	Principles of Zoology	(5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry	(5)
				CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 9A	Classical Physics	(5)		PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)		PHYS 421	Electricity and Magnetism	(4)

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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
q) DESIGN 14	Design Drawing	(4)		ART 300 Drawing and Composition (3) I
	OR			OR
DESIGN 21	Drafting and Perspective	(4)		NO COMPARABLE COURSE
DESIGN 15	Form & Color	(4)		ART 320 & Design: Fundamentals (3) Same as: ARTNM 310
	AND			AND
DESIGN 16	Graphics & The Computer	(4)		ART 323 Design: Color Theory (3)
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40A	Energy, Materials, Design	(4)		NO COMPARABLE COURSE
DESIGN 40B	Ideologies of Design	(4)		NO COMPARABLE COURSE

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)	HIST 364 &	Asian Civilization	(3)
			HIST 365	Asian Civilization	(3)

ONE COURSE FROM THE FOLLOWING:

ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
y) JPNESE 1	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE

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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

PHYSICS 1A	Principles Physics	(3)		PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)		PHYS 360	General Physics	(4)
				<u>OR</u>		
PHYSICS 7A	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (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 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
				<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
				<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 400	Calculus I	(5)

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)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)
			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
			OR		
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 and Literature	(3)
			<u>OR</u>		
			ENGWR 303	Argumentative Writing and Critical Thinking Through Literature	(4)
			<u>OR</u>		
			ENGWR 481	Honors College Composition and Literature	(3)
	<u>OR</u>			<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
			<u>OR</u>		
			ENGWR 480	Honors College Composition	(3)
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGLT 310	English Literature I	(3)
d) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGLT 311	English Literature II	(3)
			<u>OR</u>		
			ENGLT 320	American Literature	(3)
d) 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)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ENGLISH 41	Intro Topics Lit & Media	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
e) ENGLISH 43	Intro Topics in Drama	(4)	ENGLT 382	Introduction to Dramatic Literature	(3)
ENGLISH 44	Intro Topics in Fiction	(4)	ENGLT 300	Introduction to Fiction	(3)
ENGLISH 45	Intro Topics in Poetry	(4)	ENGLT 304	Introduction to Poetry	(3)

END OF MAJOR

d) **If a student takes ENGLT 311 at American River College, credit will be given for UC Davis's ENGLISH 10B or ENGLISH 10C, not both.**

e) If a student takes ENGLT 382 at American River College, credit will be given at UC Davis for either ENGLISH 43 or COMPLIT 13, 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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
<hr/>						
MATH 16A	Short Calculus	(3)		MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)		MATH 401	Calculus II	(5)
				OR		
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)

	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)		PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)		PHYS 360	General Physics	(4)

STATIST 13	Elementary Statistics	(4)		PSYC 330	Introductory	(3)
	Same as: STATIST 13Y				Statistics for the	
					Behavioral Sciences	
				OR		
				STAT 300	Introduction to	(4)
					Probability and	
					Statistics	
	OR			OR		
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		
	OR			OR		
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)	HORT 305	Plant Identification-Fall Selections (3)
			<u>OR</u>	
			HORT 306	Plant Identification-Spring Selections (3)

LND ARC 30 History Environ Design (4) | NO COMPARABLE COURSE

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology (5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
			<u>OR</u>	
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)

PL SCI 2 Bot Physio Cul Plt (4) | NO COMPARABLE COURSE

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

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

	<u>OR</u>			<u>OR</u>
ENV S&P 10	Current Issues in Environment	(3)	NATR 300	Introduction to Natural Resource Conservation and Policy (4)

ENV S&P 10 not open for credit to students who have completed ENV S&P 1

ENV S&P 30 Global Ecosystem (3) | NO COMPARABLE COURSE
Same as: ENV SC&M 30

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics (4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics (4)

PL SCI 21 Computers in Technology (3) | NO COMPARABLE COURSE

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I (5)
	<u>OR</u>			<u>OR</u>
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences (3)
	Same as: STATIST 13Y			
			<u>OR</u>	
			STAT 300	Introduction to Probability and Statistics (4)

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)		SPEECH 301	Public Speaking	(3)
				<u>OR</u>		
				SPEECH 302	Persuasive Speech	(3)

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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.

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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.

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)	SPEECH 301	Public Speaking	(3)
			OR		
			SPEECH 302	Persuasive Speech	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPEECH 321	Interpersonal Communication	(3)
				OR	
DRAMART 10	Intro To Acting	(4)	NO COMPARABLE COURSE		
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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
				OR	
BIOLSCI 10	Everyday Biology	(4)	BIOL 310	General Biology	(4)
			OR		
			BIOL 300	The Foundations of Biology	(3)
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
				OR	
CHEM 10	Concept of Chem	(4)	NO COMPARABLE COURSE		
<hr/>					
PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
<hr/>					
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400	& Principles of Biology	(5)
			BIOL 410	& Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

	OR			OR	
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
	OR			OR	
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)

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

ONE COURSE FROM THE FOLLOWING:

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		
m) GEOLOGY 1	The Earth	(4)	GEOL 300	Physical Geology	(3)
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)	BIOL 352	Conservation Biology	(3)

ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE		
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MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	OR			OR	
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 Government: United States	(3)
			OR		
			POLS 481	Introduction to Government: United States-Honors	(3)

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)
	OR			OR	

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
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CLIMATE CHANGE POLICY AREA:

SCI&SOC 25	Global Climate Change	(3)	NO COURSE ARTICULATED: College has not		
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END OF MAJOR

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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)		SPEECH 301	Public Speaking	(3)
				<u>OR</u>		
				SPEECH 302	Persuasive Speech	(3)
	OR				OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		SPEECH 321	Interpersonal Communication	(3)
					OR	
	OR				OR	
DRAMART 10	Intro To Acting	(4)		NO COMPARABLE COURSE		
<hr/>						
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
					OR	
	OR				OR	
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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m) GEOLOGY 1	The Earth	(4)		GEOL 300	Physical Geology	(3)
	OR				OR	
c) GEOLOGY 50	Physical Geology	(3)		GEOL 300	Physical Geology	(3)
m)						

PHYSICS 1A	Principles Physics	(3)		PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)		PHYS 360	General Physics	(4)
	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.

ECON 1A	Princ of Microecon	(4)		ECON 304	Principles of Microeconomics	(3)
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MATH 16A	Short Calculus	(3)		MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
	OR				OR	
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
	OR				OR	
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	
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RECOMMENDED COURSES FOR THIS MAJOR:

CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
	OR				OR	
CHEM 2CH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PREPARATION FOR GRADUATION:

STATIST 13	Elementary Statistics	(4)		PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y					
				OR		
				STAT 300	Introduction to Probability and Statistics	(4)

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 (4) | NO COMPARABLE COURSE
Science |

WATERSHED SCIENCE TRACK:

HYDRO S 10 Water, Power, Society (3) | NO COURSE ARTICULATED: College has not
Same as: SCI&SOC 10 | submitted course(s) for articulation
GEOLOGY 35 Rivers (3) | NO COMPARABLE COURSE
LND ARC 60 Landform Grading Studio (6) | NO COMPARABLE COURSE

END OF MAJOR

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.
- c) This course is not strictly comparable with UC Davis course 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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	and Medicine I Calculus for Biology and Medicine II	(4)
	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)	PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)

RECOMMENDED:

MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	OR			OR	
MATH 21C	Calculus	(4)	MATH 402	Calculus III	(5)

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry -	(5)
				Short Survey	
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry -	(5)
				Short Survey	
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology	(4)
				and Medicine I	
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology	(4)
				and Medicine II	
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology	(4)
				and Medicine II	
	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

- g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====Fiber & Polymer Science B.S.====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Fiber and Polymer Science in the College of Agricultural and Environmental Sciences is suspended for 2018 and 2019 applicants, and TAGs will not be available. The minor in Fiber and Polymer Science remains available to applicants.

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

B) ENG CS 15	Intro to Computers	(4)	CISC 310	Introduction to	(3)
				Computer Information	

OR		OR	Science
ENG CS 36A Programming (4)	CISP 300	OR	Algorithm (3)
Formerly ENG CS 30		OR	Design/Problem Solving
	CISP 360	OR	Introduction to (4)
		OR	Structured Programming
	CISP 480	OR	Honors Introduction to (5)
		OR	Structured
		OR	Programming

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 400	Calculus I (5)
MATH 16B Short Calculus (3)	MATH 401	Calculus II (5)
MATH 16C Short Calculus (3)	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 & 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	OR
PHYSICS 9A Classical Physics (5)	PHYS 410	Mechanics of Solids and Fluids (5)	
PHYSICS 9B Classical Physics (5)	PHYS 431	Heat, Waves, Light and Modern Physics (4)	
PHYSICS 9C Classical Physics (5)	PHYS 421	Electricity and Magnetism (4)	
STATIST 13 Elementary Statistics (4)	PSYC 330	Introductory Statistics for the Behavioral Sciences (3)	
Same as: STATIST 13Y		OR	
	STAT 300	Introduction to Probability and Statistics (4)	
TEX&CL 6 Intro Textiles (4)	FASHN 320	Textiles (3)	
TEX&CL 8 Textile Apparel Ind (4)	NO COMPARABLE COURSE		
OR		OR	OR
ENGIN 45 Prop of Mats (4)	ENGR 413	Properties of Materials (4.5)	

PREPARATION FOR GRADUATION:

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

ELECTIVE COURSES:

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

MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 420	Differential Equations	(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.

====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)		SPEECH 301	Public Speaking	(3)
				OR		
				SPEECH 302	Persuasive Speech	(3)
<hr/>						
MATH 16A	Short Calculus	(3)		MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)		MATH 401	Calculus II	(5)
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BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry	(5)
				CHEM 401	General Chemistry	(5)

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
	AND			AND	
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
	AND			AND	
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
	AND			AND	
CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry	(5)
	AND			AND	
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(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.

FD S&T 50	Intro Food Preservation	(3)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

NUTR 10	Discoveries and Concepts	(3)	NUTRI 300	Nutrition	(3)
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RECOMMENDED FOR STUDENTS INTENDING TO PURSUE GRADUATE OR PROFESSIONAL STUDIES:

CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(5)
	AND			AND	
CHEM 129B	Organic Chem Lab	(2)	CHEM 420 & CHEM 421	Organic Chemistry	(5)
	AND			AND	
CHEM 129C	Organic Chem Lab	(2)	CHEM 421	Organic Chemistry	(5)

END OF MAJOR

====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)
			FREN 412	Intermediate French	(4)
FRENCH 21	Intermed French	(5)	NO COMPARABLE COURSE		
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 60	Feminist Critiques	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 70	Sexual:Thry&Hist	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

TWO COURSES FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE
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AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE
AMR STD 21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 30	Amr Images Pop Cult	(4)	SOC 350 Sociology of Popular Culture (3)
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 30	Sexualities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
A A STD 1	Hist Exp Asian Am	(4)	HIST 325 History of Asian/Pacific Americans (3)
A A STD 2	Contemp Issues of Asian Americans	(4)	HIST 325 History of Asian/Pacific Americans (3)
CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 21	Hlth Care Issues	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 50	Chicano Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 and Literature (3) <u>OR</u> ENGWR 303 Argumentative Writing and Critical Thinking Through Literature (4) <u>OR</u> ENGWR 481 Honors College Composition and Literature (3)
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE
HISTORY 72B	Am Women & Gender	(4)	HIST 330 Women in American History (3)
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)	POLS 330 Constitutional Rights (3) <u>OR</u> POLS 332 Law and Society (3) Same as: BUS 345 <u>OR</u> BUS 345 Law and Society (3) Same as: POLS 332
PSYCH 1	General Psychology	(4)	PSYC 300 General Principles (3) <u>OR</u> PSYC 480 Honors 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 COURSE ARTICULATED: College has not submitted course(s) for articulation
	Same as: ANTHRO 32		
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE

SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
SOCIOL 30A	Multicultural Societies	(3)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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 COURSE	ARTICULATED: College has not submitted course(s) for articulation	

END OF MAJOR

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
	<u>OR</u>		<u>OR</u>		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has not	

|submitted course(s) for articulation

CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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.

b) 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 300	Physical Geology	(3)
m) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 301	Physical Geology Laboratory	(1)
GEOLOGY 60	Earth Materials: Intro	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	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)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(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.

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory	(3)
	Same as: STATIST 13Y			Statistics for the	
				Behavioral Sciences	
			<u>OR</u>		
			STAT 300	Introduction to	(4)
				Probability and	
				Statistics	
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

- b) This course is not strictly comparable with UC Davis courses but will fulfill the history of life requirement for the geology major at UC Davis.
- c) This course is not strictly comparable with UC Davis course but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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.

b) 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 300	Physical Geology	(3)
m) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 301	Physical Geology Laboratory	(1)
GEOLOGY 60	Earth Materials: Intro	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GEOLOGY 62	Optical Mineralogy	(2)	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)
<hr/>					
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)

SELECT ONE OF THE FOLLOWING THREE OPTIONS:**GENERAL GEOLOGY OPTION:**

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

Physics 9A/B/C is recommended over 7A/B/C, if available

GEOCHEMISTRY/PETROLOGY OPTION:

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

PHYSICS 9B	Classical Physics	(5)		PHYS 431	and Fluids Heat, Waves, Light and Modern Physics	(4)
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QUANTITATIVE/GEOPHYSICS OPTION:

MATH 21D	Vector Analysis	(4)		MATH 402	Calculus III	(5)
MATH 22A	Linear Algebra	(3)		MATH 410	Introduction to Linear Algebra	(3)
PHYSICS 9A	Classical Physics	(5)		PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)		PHYS 421	Electricity and Magnetism	(4)

END OF MAJOR

- b) **This course is not strictly comparable with UC Davis courses but will fulfill the history of life requirement for the geology major at UC Davis.**
- c) **This course is not strictly comparable with UC Davis course but will fulfill the introductory physical geology requirement for the geology major at UC Davis.**
- m) **If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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](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.

GERMAN 1	Elementary German	(5)		GERM 401	Elementary German	(4)
GERMAN 2	Elementary German	(5)		GERM 402	Elementary German	(4)
GERMAN 3	Elementary German	(5)		GERM 411	Intermediate German	(4)
GERMAN 20	Intermediate German	(4)		GERM 412	Intermediate German	(4)
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 400	Principles of Biology (5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
			<u>OR</u>	
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany (5) Principles of Zoology (5)
			<u>OR</u>	

				BIOL 415	Introduction to	(5)
					Biology: Biodiversity,	
					Evolution, and	
					Ecology	

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

CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry -	(5)
					Short Survey	
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry -	(5)
					Short Survey	

OR

CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 &	Organic Chemistry	(5)
				CHEM 421	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology	(4)
					and Medicine I	
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology	(4)
					and Medicine II	
MATH 17C	Calculus for BioSci	(4)		MATH 356	Calculus for Biology	(4)
					and Medicine II	

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)		PSYC 330	Introductory	(3)
	Same as: STATIST 13Y				Statistics for the	
					Behavioral Sciences	
				OR		
				STAT 300	Introduction to	(4)
					Probability and	
					Statistics	

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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.

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)		HIST 364 &	Asian Civilization (3)
				HIST 365	Asian Civilization (3)

C. EUROPE

HISTORY 4A	Western Civ	(4)		HIST 300	History of Western	(3)
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Civilization

OR

HISTORY 4B	Western Civ	(4)	HIST 480	History of Western Civilization-Honors	(3)
			HIST 300	History of Western Civilization	(3)

OR

			HIST 480 &	History of Western Civilization-Honors	(3)
			HIST 302	History of Western Civilization	(3)

OR

HISTORY 4C	Western Civ	(4)	HIST 481	History of Western Civilization-Honors	(3)
			HIST 302	History of Western Civilization	(3)

OR

			HIST 481	History of Western Civilization-Honors	(3)
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D. LATIN AMERICA

HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 7C	Latin America 1900-Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

E. MIDDLE EAST

HISTORY 6	Intro to Middle East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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)	HIST 330	Women in American History	(3)
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	(4)	HIST 307 &	History of World	(3)

	1350-1850			Civilizations to 1500
			HIST 308	History of World (3) Civilizations, 1500 to Present
HISTORY 10C	World History III	(4)	HIST 308	History of World (3) Civilizations, 1500 to Present
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](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 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)		PSYC 370	Human Development: A Life Span	(3)

Select one course from:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)
	<u>OR</u>			<u>OR</u>		
BIOLSCI 10	Everyday Biology	(4)		BIOL 310	General Biology	(4)
				<u>OR</u>		
				BIOL 300	The Foundations of Biology	(3)
	<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)

OR
NE PH B 12 Human Brain and Disease (3) | NO COMPARABLE COURSE

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)

OR

HIST 483 History of the United States-Honors (3)

OR

HISTORY 17B U.S. History (4) | HIST 311 History of the United States (3)

OR

HIST 484 History of the United States-Honors (3)

OR

HISTORY 72A Am Women & Gender (4) | NO COMPARABLE COURSE

OR

HISTORY 72B Am Women & Gender (4) | HIST 330 Women in American History (3)

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)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation

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)

OR

PSYC 480 Honors General Principles (3)

Select one of the following options:

PSYCH 41 Research Methods (4) | PSYC 335 Research Methods in Psychology (3)

OR

SOCIOL 46A Intro Social Rsch (4) | NO COMPARABLE COURSE

AND

SOCIOL 46B Intro Social Rsch (5) | NO COMPARABLE COURSE

OR

STATIST 10 Statist Thinking (4) | NO COMPARABLE COURSE

OR

STATIST 13 Elementary Statistics (4) | PSYC 330 Introductory (3)

Same as: STATIST 13Y

Statistics for the
Behavioral Sciences

OR

STAT 300

Introduction to (4)
Probability and
Statistics

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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

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 300	Physical Geology	(3)
m) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 301	Physical Geology Laboratory	(1)

ENGIN 6 Engr Prob Solving (4) | NO COMPARABLE COURSE
END OF MAJOR

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- c) This course is not strictly comparable with UC Davis course but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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](#) 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.

INT AG 10	Intro Intl Ag Development	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PL SCI 2	Bot Physio Cul Plt	(4)		NO COMPARABLE COURSE	
SOILSCI 10	Soils in Our Environment	(3)		HORT 302 Soils, Soil Management, and Plant Nutrition	(3)
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)		PSYC 330 Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y			OR	
	OR			STAT 300 Introduction to Probability and Statistics	(4)
SOCIOL 46B	Intro Social Rsch	(5)		NO COMPARABLE COURSE	
MATH 16A	Short Calculus	(3)		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 COURSE ARTICULATED: College has not submitted course(s) for articulation
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)
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 COURSE ARTICULATED: College has not submitted course(s) for articulation

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 400 Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
			<u>OR</u>	
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry (5) General Chemistry (5)

TRADE AND ECONOMIC DEVELOPMENT OPTION:

MATH 16B	Short Calculus	(3)	MATH 401	Calculus II (5)
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>	
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 400	Principles of Biology (5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
			<u>OR</u>	
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology (5)
ENV S&P 1	Env Analysis	(4)	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

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====International Relations 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.

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>		
			HIST 481	History of Western Civilization-Honors	(3)
	<u>OR</u>			<u>OR</u>	
HISTORY 10C	World History III	(4)	HIST 308	History of World Civilizations, 1500 to Present	(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)
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)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)
	<u>OR</u>			<u>OR</u>	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
POL SCI 51	Scientific Study of Politics	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARABIC 2	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not		

ARABIC 3	Elem Arabic	(5)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 21	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 22	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 23	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
x) CHINESE 1	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 3	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 4	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 5	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 6	Inter Chinese	(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
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) FREN 412 Intermediate French (4)
FRENCH 21	Intermed French	(5)	NO COMPARABLE COURSE
FRENCH 22	Intermed French	(5)	NO COMPARABLE COURSE
OR			OR
GERMAN 1	Elementary German	(5)	GERM 401 Elementary German (4)
GERMAN 2	Elementary German	(5)	GERM 402 Elementary German (4)
GERMAN 3	Elementary German	(5)	GERM 411 Intermediate German (4)
GERMAN 20	Intermediate German	(4)	GERM 412 Intermediate German (4)
GERMAN 21	Intermediate German	(4)	NO COMPARABLE COURSE
OR			OR
HEBREW 1	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 2	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 3	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 21	Intermed Modern Hebrew I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 22	Intermed Modern Hebrew II	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	submitted course(s) for articulation 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 401 & Elementary Italian (4)
			ITAL 402 Elementary Italian (4)
ITALIAN 3	Elementary Italian	(5)	ITAL 402 Elementary Italian (4)
ITALIAN 4	Interm Italian	(4)	ITAL 411 Intermediate Italian (4)
ITALIAN 5	Interm Italian	(4)	ITAL 412 Intermediate Italian (4)
OR			OR
ITALIAN 1	Elementary Italian	(5)	ITAL 401 Elementary Italian (4)
ITALIAN 2	Elementary Italian	(5)	ITAL 401 & Elementary Italian (4)
			ITAL 402 Elementary Italian (4)
ITALIAN 3	Elementary Italian	(5)	ITAL 402 Elementary Italian (4)
ITALIAN 8A	Italian Convers	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ITALIAN 8B	Italian Convers	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
y) JPNESE 1	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 3	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
PORTUG 2	Elementary Portuguese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PORTUG 3	Elementary Portuguese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PORTUG 21	Intermediate Portuguese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PORTUG 22	Intermediate Portuguese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
RUSSIAN 1	Elementary Russian	(5)	RUSS 402 Elementary Russian (4)
RUSSIAN 2	Elementary Russian	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
RUSSIAN 3	Elementary Russian	(5)	NO COMPARABLE COURSE
RUSSIAN 4	Intermed Russian	(4)	NO COMPARABLE COURSE
RUSSIAN 5	Intermed Russian	(4)	NO COMPARABLE COURSE

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)	NO COMPARABLE COURSE
SPANISH 32	Int Span Nat Spk II	(5)	NO COMPARABLE COURSE
SPANISH 33	Int Span Nat Spk III	(5)	NO COMPARABLE COURSE

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 401 &	Elementary Italian	(4)
			ITAL 402	Elementary Italian	(4)
ITALIAN 3	Elementary Italian	(5)	ITAL 402	Elementary Italian	(4)
ITALIAN 4	Interm Italian	(4)	ITAL 411	Intermediate Italian	(4)
ITALIAN 5	Interm Italian	(4)	ITAL 412	Intermediate Italian	(4)
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 3	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	NO COMPARABLE COURSE
HISTORY 9B	East Asian Civ	(4)	HIST 364 & Asian Civilization (3) HIST 365 Asian Civilization (3)

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)	SPEECH 301	Public Speaking	(3)
			OR		
			SPEECH 302	Persuasive Speech	(3)
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		
			ENGWR 481	Honors College Composition and Literature	(3)
	OR		OR		
UWRITING 1	Expository Writing	(4)	ENGWR 300	College Composition	(3)
			OR		
			ENGWR 480	Honors College Composition	(3)
	OR		OR		
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)	ENGWR 302	Advanced Composition and Critical Thinking	(3)
			OR		
			ENGWR 482	Honors Advanced Composition and Critical Thinking	(3)
	OR		OR		
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)	NO COMPARABLE COURSE		
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 &	Principles of Biology	(5)
			BIOL 410 &	Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

ENVHORT 6	Intro Environ Plants	(4)	HORT 305	Plant Identification-Fall Selections	(3)
			<u>OR</u>		
			HORT 306	Plant Identification-Spring Selections	(3)

ONE COURSE FROM THE FOLLOWING:

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)
ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10				

ONE COURSE FROM THE FOLLOWING:

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 10	Concept of Chem	(4)	NO COMPARABLE COURSE		
PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)
m) GEOLOGY 1	The Earth	(4)	GEOL 300	Physical Geology	(3)
SOILSCI 10	Soils in Our Environment	(3)	HORT 302	Soils, Soil Management, and Plant Nutrition	(3)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 21	Landscape Rep I	(4)	HORT 322	Landscape and Irrigation Graphics and Design	(3)
	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

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, 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](#). 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)|NO COMPARABLE COURSE

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)		SPEECH 301	Public Speaking	(3)
				<u>OR</u>		
				SPEECH 302	Persuasive Speech	(3)
	OR			OR		
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		SPEECH 321	Interpersonal Communication	(3)
<hr/>						
AGRESEC 18	Business Law	(4)		BUS 340	Business Law	(3)
<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)		CISC 310	Introduction to Computer Information Science	(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.

MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting	(4)
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 BIOL 410 BIOL 420	& Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 BIOL 420	& Principles of Botany Principles of Zoology	(5) (5)
			OR		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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 PHYS 360	& General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 350 PHYS 360	& General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 350 PHYS 360	& General Physics General Physics	(4) (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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

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) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

**====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)

Tree of Life			<u>OR</u>	BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry		(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry		(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry		(5)
<u>AND</u>						
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey		(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey		(5)
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I		(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II		(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II		(4)
<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 & 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.

<u>OR</u>			<u>OR</u>			
PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids		(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics		(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism		(4)

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation			

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
<hr/>						
MATH 16A	Short Calculus	(3)		MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)		MATH 401	Calculus II	(5)
				<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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 & 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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

**====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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 & 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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10				

ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		
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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 COURSE ARTICULATED: College has not submitted course(s)for articulation		

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10				

OR			OR		
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		

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

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10				
OR			OR		
ENGIN 6	Engr Prob Solving	(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.

**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 COURSE ARTICULATED: College has not submitted course(s) for articulation		

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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10				
OR			OR		
ENGIN 6	Engr Prob Solving	(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.

PLAN 1: GENERAL MATHEMATICS

PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
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PLAN 2: MATHEMATICS FOR SECONDARY TEACHING

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

OR

PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
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OR

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
Same as: STATIST 13Y					

OR

			STAT 300	Introduction to Probability and Statistics	(4)
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OR

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
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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 308 Renaissance Tradition (3) in Art
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 310 Modern Art (3) OR ARTH 334 International Contemporary Art (3)
ARTHI 1E	Islamic Art & Architecture	(4)	ARTH 333 Introduction to Islamic Art (3)
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	ENGLT 340 & World Literature I (3) ENGLT 341 World Literature II (3)
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 4A	Western Civ	(4)	HIST 300 History of Western Civilization (3) OR HIST 480 History of Western Civilization-Honors (3)
HISTORY 4B	Western Civ	(4)	HIST 300 History of Western Civilization (3) OR HIST 480 & History of Western Civilization-Honors (3) HIST 302 History of Western Civilization (3) OR HIST 481 History of Western Civilization-Honors (3)
HUMAN 1	Humanities Forum	(2)	NO COURSE ARTICULATED: College has not

HUMAN 9	Don Quixote	(2)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 21	Phil Classics: Ancient	(4)	PHIL 330 History of Classical (3) Philosophy
PHILOS 22	Phil Classics: Modern	(4)	PHIL 331 History of Modern (3) Philosophy

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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)

			<u>OR</u>	BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			<u>OR</u>	BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
			<u>OR</u>			
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 421	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
			<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)		PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)		PHYS 360	General Physics	(4)
			<u>OR</u>			
PHYSICS 7A	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
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CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 421	Organic Chemistry	(5)
<hr/>						
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
				<u>OR</u>		
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 General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 350 & PHYS 360	General Physics General Physics	(4) (4)

<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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE

TWO YEARS (OR THE EQUIVALENT) OF ARABIC, HEBREW, OR HINDI/URDU:

ARABIC 1	Elementary Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 2	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 3	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 21	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 22	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 23	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
HEBREW 1	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 2	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 3	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 21	Intermed Modern Hebrew I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HEBREW 22	Intermed Modern Hebrew II	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	ARTH 333 Introduction to Islamic Art	(3)
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE	
COMPLIT 53B	Lit of South Asia	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
COMPLIT 53C	Lit of the Islamic World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

REL STD 21	The Bible	(4)	HUM 360	Introduction to the Old (3) Testament (The Hebrew Bible)
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 COURSE ARTICULATED:	College has not submitted course(s) for articulation
REL STD 68	Hinduism	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation

Or additional lower-division courses in a Middle Eastern or South Asian language

END OF MAJOR

====Music 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.

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 2A	Keyboard Competence	(2)	MUIVI 340	Beginning Piano	(2)
MUSIC 2B	Keyboard Competence	(2)	MUIVI 340 &	Beginning Piano	(2)
			MUIVI 341	Piano II	(2)
MUSIC 2C	Keyboard Competence	(2)	MUIVI 341	Piano II	(2)

STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 2A-C THROUGH EXAMINATION

MUSIC 6A	Elementary Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		
MUSIC 6B	Elementary Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		
MUSIC 6C	Elementary Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		

MUSIC 7A	Intermediate Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		
MUSIC 7B	Intermediate Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		
MUSIC 7C	Intermediate Theory	(3)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.		

MUSIC 16A	Elem Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MUSIC 16B	Elem Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MUSIC 16C	Elem Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 16A-C THROUGH EXAMINATION

MUSIC 17A	Intermediate Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MUSIC 17B	Intermediate Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MUSIC 17C	Intermediate Musicianship	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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)
MUSIC 24B	Intro Music History	(3)	MUFHL 310 &	Survey of Music History and Literature (Greek Antiquity to 1750)	(3)
			MUFHL 311	Survey of Music History and Literature (1750 to	(3)

MUSIC 24C	Intro Music History	(3)		MUFHL 311	the present) Survey of Music History and Literature (1750 to the present)	(3)
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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) | NO COMPARABLE COURSE

N A STD 10 NA Experience (4) | NO COMPARABLE COURSE
OR OR

N A STD 12	Native Amer/Indigenous Film	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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ONE OR TWO COURSES FROM:

N A STD 5	Intro NA Literature	(4)		ENGLT 338 Native American Literature (3)
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)		NO COMPARABLE COURSE
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
A A STD 1	Hist Exp Asian Am	(4)		HIST 325 History of Asian/Pacific Americans (3)
A A STD 2	Contemp Issues of Asian Americans	(4)		HIST 325 History of Asian/Pacific Americans (3)
A A STD 4	Asian Amer Cultural Studies	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 10	Intro to Chic Std	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 21	Hlth Care Issues	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 23	Qualitative Research Methods	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 25	Ethnic Writers	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CM&RGDE 2	Ethnicity Amer Comm	(4)		NO COMPARABLE COURSE
ENV S&P 10	Current Issues in Environment	(3)		NATR 300 Introduction to Natural Resource Conservation and Policy (4)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7B	Latin America 1700-1900	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7C	Latin America 1900-Present	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)
LINGUIS 1	Intro Linguistics	(4)		NO COMPARABLE COURSE

END OF MAJOR

====Natural Sciences B.S.====

IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

The Natural Sciences major is discontinued for new applicants effective the 2018-19 application cycle.

END OF MAJOR

====Neurobiology, Physiology and Behavior 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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				OR		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				OR	OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 421	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)

MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
	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.

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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](#). 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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)
NUTR 10	Discoveries and Concepts	(3)	NUTRI 300	Nutrition	(3)
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)
			OR		
			ANTH 481	Honors Cultural Anthropology	(3)
	OR			OR	
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
			OR		
			PSYC 480	Honors General Principles	(3)
	OR			OR	
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)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)

NUTRITION IN PUBLIC HEALTH OPTION:

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 (3) - Honors
	OR		OR	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems (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)

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles (3)
			OR	
			PSYC 480	Honors 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

Cultural Diversity and Community Change Area:

AMR STD 55 Food in Amer Culture (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as: FD S&T 55

CM&RGDE 2 Ethnicity Amer Comm (4) | NO COMPARABLE COURSE

INT AG 10 Intro Intl Ag Development (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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:

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	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 &	General Chemistry	(5)
				CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)

	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)

	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

	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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)

	OR				
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

	OR			OR	
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory	(3)
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Same as: STATIST 13Y

Statistics for the Behavioral Sciences

OR

STAT 300 Introduction to Probability and Statistics (4)

OR

STATIST 32 Gateway to Data Science (4)

OR

NO COMPARABLE COURSE

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)
				<u>OR</u>	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 129C	Organic Chem Lab	(2)	CHEM 421	Organic Chemistry	(5)

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 324	Symbolic Logic	(3)
					Same as: MATH 320	
					<u>OR</u>	
				MATH 320	Symbolic Logic	(3)
					Same as: PHIL 324	

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 330	History of Classical Philosophy	(3)
					<u>OR</u>	
				PHIL 331	History of Modern Philosophy	(3)

b. ANCIENT PHILOSOPHY

PHILOS 21	Phil Classics: Ancient	(4)		PHIL 330	History of Classical Philosophy	(3)
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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 315	Contemporary Moral Issues	(3)
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	OR			OR
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE	
	OR			OR
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	
	OR			OR
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE	
	OR			OR
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE	
	OR			OR
PHILOS 38	Intro Philos of Biol	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

g. PHILOSOPHY OF LANGUAGE

PHILOS 17	Language, Thought & World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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PRE-LAW EMPHASIS

ONE COURSE FROM THE FOLLOWING:

PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 315	Contemporary Moral Issues	(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 324	Symbolic Logic	(3)
			Same as: MATH 320		
			OR		
			MATH 320	Symbolic Logic	(3)
			Same as: PHIL 324		
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 324	Symbolic Logic	(3)
			Same as: MATH 320		
			OR		
			MATH 320	Symbolic Logic	(3)
			Same as: PHIL 324		
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 38	Intro Philos of Biol	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
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 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)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
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

ASTROPHYSICS EMPHASIS

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 300 &	Introduction to Astronomy	(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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y		<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)

RECOMMENDED COURSES:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
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END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410 & BIOL 420	Principles of Botany Principles of Zoology	(5) (5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 401	General Chemistry	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 423	Organic Chemistry - Short Survey	(5)
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 421	Organic Chemistry	(5)
<hr/>						
MATH 17A	Calculus for BioSci	(4)		MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)		MATH 356	Calculus for Biology and Medicine II	(4)
				<u>OR</u>		
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 General Physics	(4) (4)
PHYSICS 7B	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:

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

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology Principles of Botany Principles of Zoology	(5) (5) (5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)

CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(5)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)
	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 COURSE ARTICULATED: College has not submitted course(s) for articulation		

COURSES FOR THE CROP PRODUCTION OPTION:

ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
	OR			OR	
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COMPARABLE COURSE		

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====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](#). 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)
			OR		
			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)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory	(3)
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE		
POL SCI 7	Law & Politics	(4)	POLS 330	Constitutional Rights	(3)
			OR		
			POLS 332	Law and Society Same as: BUS 345	(3)
			OR		
			BUS 345	Law and Society Same as: POLS 332	(3)

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)
			OR		
			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)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory	(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)
			OR		
			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)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory	(3)
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE		
POL SCI 7	Law & Politics	(4)	POLS 330	Constitutional Rights	(3)
			OR		
			POLS 332	Law and Society	(3)
			Same as: BUS 345		
			OR		
			BUS 345	Law and Society	(3)
			Same as: POLS 332		
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 COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

OR

STATIST 13 Elementary Statistics (4)
Same as: STATIST 13Y

PSYC 330

OR

Introductory (3)
Statistics for the
Behavioral Sciences

OR

STAT 300

Introduction to (4)
Probability and
Statistics

OR

STATIST 32 Gateway to Data Science (4)

NO COMPARABLE COURSE

OR

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)
			OR		
			PSYC 480	Honors General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
Same as: STATIST 13Y					
			OR		

STAT 300	Introduction to Probability and Statistics	(4)
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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 310	General Biology	(4)
			<u>OR</u>		
			BIOL 300	The Foundations of Biology	(3)

AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTH 300	Physical Anthropology	(3)
			<u>OR</u>		
			ANTH 480	Honors Physical Anthropology	(3)
			<u>OR</u>		
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		
			<u>OR</u>		
NE PH B 10	Elem Human Physio	(3)	BIOL 430 &	Anatomy and Physiology	(5)
			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)
			<u>OR</u>		
			PSYC 480	Honors General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)

STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
Same as: STATIST 13Y					
			<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
			<u>OR</u>		
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)
			<u>OR</u>		
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>		
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 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 &	Principles of Biology	(5)
			BIOL 410 &	Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 410 &	Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
			<u>OR</u>		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 <u>&</u>	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 <u>&</u>	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)

END OF MAJOR

g) **Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,**

====Psychology B.S. (Quantitative)====

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. 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)
			<u>OR</u>		
			PSYC 480	Honors General Principles	(3)
PSYCH 41	Research Methods	(4)	PSYC 335	Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
Same as: STATIST 13Y			<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)
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)
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
Formerly ENG CS 30			<u>OR</u>		
			CISP 360	Introduction to Structured Programming	(4)
			<u>OR</u>		
			CISP 480	Honors Introduction to	(5)

Structured
Programming

OR

ENG CS 32A Intro to Programming(4)
Formerly ENG CS 10

OR

NO COURSE ARTICULATED: College has not
submitted course(s) for articulation

**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)	NO COMPARABLE COURSE
	OR		OR
CHEM 2A	Genl Chemistry	(5)	CHEM 400 General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & General Chemistry (5)
			CHEM 401 General Chemistry (5)
	OR		OR
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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 400 Principles of Biology (5)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 310 General Biology (4)
			OR
			BIOL 300 The Foundations of Biology (3)

AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTH 300 Physical Anthropology (3)
			OR
			ANTH 480 Honors Physical Anthropology (3)
			OR
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE
			OR
NE PH B 10	Elem Human Physio	(3)	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](#). 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)	NO COMPARABLE COURSE
REL STD 1A	Pilgrimage	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1B	Death and Afterlife	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1C	Sacrifice	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1D	Conversion	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1E	Fundamentalism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

REL STD 1F	Religion Today	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1G	Myth Ritual Symbol	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 10A	Contemporary Ethical Issues	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	HUM 360 Introduction to the Old (3) Testament (The Hebrew Bible)
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)	HUM 365 Introduction to the New (3) Testament
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 67	Modern Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
REL STD 68	Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 75	Introduction to Chinese Philosophy	(4)	NO COMPARABLE COURSE
REL STD 80	Religion, Gender, Sex	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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 402	Elementary Russian	(4)
RUSSIAN 2	Elementary Russian	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
RUSSIAN 3	Elementary Russian	(5)	NO COMPARABLE COURSE		
RUSSIAN 4	Intermed Russian	(4)	NO COMPARABLE COURSE		
RUSSIAN 5	Intermed Russian	(4)	NO COMPARABLE COURSE		
RUSSIAN 6	Intermed Russian	(4)	NO COMPARABLE COURSE		

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 COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	ANTHRO 32		

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)	NO COMPARABLE COURSE
SOCIOL 3	Social Problems	(4)	SOC 301 Social Problems (3)
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 320 Minorities in America (3)
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 25	Popular Culture	(4)	SOC 350 Sociology of Popular Culture (3)
SOCIOL 30A	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)
			OR
			ANTH 481 Honors Cultural Anthropology (3)
	OR		OR
ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)	HIST 300 History of Western Civilization (3)
			OR
			HIST 480 History of Western Civilization-Honors (3)
HISTORY 4B	Western Civ	(4)	HIST 300 History of Western Civilization (3)
			OR
			HIST 480 & History of Western Civilization-Honors (3)
			HIST 302 History of Western Civilization (3)
			OR
HISTORY 4C	Western Civ	(4)	HIST 302 History of Western Civilization (3)
			OR
			HIST 481 History of Western Civilization-Honors (3)
HISTORY 6	Intro to Middle East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7C	Latin America 1900-Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	HIST 364 &	Asian Civilization	(3)
			HIST 365	Asian Civilization	(3)
HISTORY 10C	World History III	(4)	HIST 308	History of World Civilizations, 1500 to Present	(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 315	Contemporary Moral Issues	(3)
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)

END OF MAJOR

**====Sociology A.B. (Comparative Studies and World Development)====
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)
				OR		
				SOC 480	Introductory Sociology - Honors	(3)
<hr/>						
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)
				OR		
				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 308	History of World Civilizations, 1500 to Present	(3)
				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)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
	OR			OR	
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 320	Minorities in America	(3)
	OR			OR	
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND		AND		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
			OR		
			ANTH 481	Honors Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)	NO COURSE ARTICULATED: College has not		

POL SCI 1	Amer Natl Govt	(4)	submitted course(s) for articulation 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)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320 Introduction to Political Theory (3)
POL SCI 7	Law & Politics	(4)	POLS 330 Constitutional Rights (3)
			<u>OR</u>
			POLS 332 Law and Society (3) Same as: BUS 345
			<u>OR</u>
			BUS 345 Law and Society (3) Same as: POLS 332

4 QUARTER UNITS FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)	HIST 300 History of Western Civilization (3)
			<u>OR</u>
			HIST 480 History of Western Civilization-Honors (3)
HISTORY 4B	Western Civ	(4)	HIST 300 History of Western Civilization (3)
			<u>OR</u>
			HIST 480 & History of Western Civilization-Honors (3)
			HIST 302 History of Western Civilization (3)
			<u>OR</u>
			HIST 481 History of Western Civilization-Honors (3)
HISTORY 4C	Western Civ	(4)	HIST 302 History of Western Civilization (3)
			<u>OR</u>
			HIST 481 History of Western Civilization-Honors (3)
HISTORY 6	Intro to Middle East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7C	Latin America 1900-Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	HIST 364 & Asian Civilization (3)
			HIST 365 Asian Civilization (3)
HISTORY 10C	World History III	(4)	HIST 308 History of World Civilizations, 1500 to Present (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)

HISTORY 17B	U.S. History	(4)	<u>OR</u>	HIST 483	History of the United States-Honors	(3)
			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>			<u>OR</u>		
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 315	Contemporary Moral Issues	(3)	
	<u>OR</u>			<u>OR</u>		
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics	(3)	

END OF MAJOR

====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)
			OR		
			SOC 480	Introductory Sociology - Honors	(3)
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE		
	OR		OR		
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND		AND		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
			OR		
			PSYC 480	Honors 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)	HIST 325	History of Asian/Pacific Americans	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	HIST 325	History of Asian/Pacific Americans	(3)
CHICANO 10	Intro to Chic Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHICANO 50	Chicano Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE		
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE		
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 320	Minorities in America	(3)
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SOCIOL 30A	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SOCIOL 30B	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

====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](#). 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)	NO COMPARABLE COURSE		
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 320	Minorities in America	(3)
	OR		OR		
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE		
	OR		OR		
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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

====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 &	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)
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)	NO COMPARABLE COURSE		
SPANISH 32	Int Span Nat Spk II	(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)|NO COMPARABLE COURSE

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 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
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)
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MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
<hr/>					
ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
OR			OR		
			CISP 360	Introduction to Structured Programming	(4)
OR			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
OR			OR		
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CISP 400	Object Oriented Programming with C++	(4)
OR			OR		
			CISP 401	Object Oriented Programming with Java	(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.

STATIST 32 Gateway to Data Science (4) | NO COMPARABLE COURSE

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 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	MATH 355	Calculus for Biology and Medicine I	(4)
MATH 17B	Calculus for Biosci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
MATH 17C	Calculus for BioSci	(4)	MATH 356	Calculus for Biology and Medicine II	(4)
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)
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ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
			OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
OR			OR		
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CISP 400	Object Oriented Programming with C++	(4)

	<u>OR</u>		
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.

AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory (3)
Same as:	STATIST 13Y			Statistics for the Behavioral Sciences
			<u>OR</u>	
			STAT 300	Introduction to (4)
				Probability and Statistics
STATIST 32	Gateway to Data Science	(4)	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](#). 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)
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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)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)
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)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 410	Introduction to Linear Algebra	(3)
	OR			OR	
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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MATH 25	Advanced Calculus	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
ENG CS 32A	Intro to Programming	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly ENG CS 10			OR	
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
	Formerly ENG CS 30			OR	
			CISP 360	Introduction to Structured Programming	(4)
				OR	
			CISP 480	Honors Introduction to Structured Programming	(5)
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40			OR	
			CISP 401	Object Oriented Programming with Java	(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 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the	(3)
	Same as: STATIST 13Y				

					Behavioral Sciences
			<u>OR</u>		
			STAT 300	Introduction to	(4)
				Probability and	
				Statistics	
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 COURSE ARTICULATED: College has not		
	Formerly ENG CS 10		submitted course(s) for articulation		

OR					
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
	Formerly ENG CS 30				
			OR		
			CISP 360	Introduction to Structured Programming	(4)
			OR		
			CISP 480	Honors Introduction to Structured Programming	(5)
OR					
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
	Formerly ENG CS 40				
			OR		
			CISP 401	Object Oriented Programming with Java	(4)

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE		
			OR		
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)
			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

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.

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)		SPEECH 301	Public Speaking	(3)
				OR		
				SPEECH 302	Persuasive Speech	(3)

PL SCI 15	Intro Sustainable Agriculture	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

CM&RGDE 20	Food Systems	(4)		NO COURSE ARTICULATED: College has not submitted course(s)for articulation		

PL PATH 40	Edible Mushroom Cult	(2)		NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
	OR			OR		

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE	
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 315	Contemporary Moral Issues (3)
	OR			OR
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE	
	OR			OR
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology (3)
			OR	
			ANTH 481	Honors Cultural Anthropology (3)
	OR			OR
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory (3)
	OR			OR
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)

TRACK II: FOOD AND SOCIETY

PHILOS 5	Critical Reasoning	(4)	PHIL 320	Logic and Critical Reasoning (3)
	OR			OR
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE	
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 315	Contemporary Moral Issues (3)
	OR			OR
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE	
	OR			OR
PHILOS 24	Intro to Ethics	(4)	PHIL 310	Introduction to Ethics (3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
	OR			OR
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences (3)
	Same as: STATIST 13Y		OR	
			STAT 300	Introduction to Probability and Statistics (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry (5)
BIOLSCI 10	Everyday Biology	(4)	BIOL 310	General Biology (4)
			OR	
			BIOL 300	The Foundations of Biology(3)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420	Principles of Biology (5) Principles of Botany (5) Principles of Zoology (5)
			OR	
			BIOL 415	Introduction to Biology: Biodiversity, (5)

				Evolution, and Ecology	
	OR			OR	
ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE		
	OR			OR	
ENV S&P 30	Global Ecosystem	(3)	NO COMPARABLE COURSE		
	Same as: ENV SC&M 30				
	OR			OR	
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
W&F BIO 51	Intro to Conservation Biology	(3)	BIOL 352	Conservation Biology	(3)

FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
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SOILSCI 10	Soils in Our Environment	(3)	HORT 302	Soils, Soil Management, and Plant Nutrition	(3)
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ECON 1A	Princ of Microecon	(4)	ECON 304	Principles of Microeconomics	(3)
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POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory	(3)
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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)

	OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
CM&RGDE 2	Ethnicity Amer Comm	(4)	NO COMPARABLE COURSE		

TRACK III: ECONOMICS AND POLICY

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)

SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y				
			OR		
			STAT 300	Introduction to Probability and Statistics	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
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BIOLSCI 10	Everyday Biology	(4)	BIOL 310	General Biology	(4)
				OR	
			BIOL 300	The Foundations of Biology	(3)

PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
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g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 & BIOL 410 & BIOL 420 <u>OR</u> BIOL 415	Principles of Biology Principles of Botany Principles of Zoology Introduction to Biology: Biodiversity, Evolution, and Ecology	(5) (5) (5) (5)
	<u>OR</u>			<u>OR</u>	
ENV S&P 1	Env Analysis	(4)	NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>	
ENV S&P 30	Global Ecosystem	(3)	NO COMPARABLE COURSE		
	Same as: ENV SC&M 30				
	<u>OR</u>			<u>OR</u>	
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>			<u>OR</u>	
W&F BIO 51	Intro to Conservation Biology	(3)	BIOL 352	Conservation Biology	(3)
FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
SOILSCI 10	Soils in Our Environment	(3)	HORT 302	Soils, Soil Management, and Plant Nutrition	(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)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 320	Introduction to Political Theory	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 310 <u>OR</u> ANTH 481	Cultural Anthropology Honors Cultural Anthropology	(3) (3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 1	Intro Sociology	(5)	SOC 300 <u>OR</u> SOC 480	Introductory Sociology Introductory Sociology - Honors	(3) (3)
	<u>OR</u>			<u>OR</u>	
SOCIOL 3	Social Problems	(4)	SOC 301	Social Problems	(3)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 315	Contemporary Moral Issues	(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)

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====Sustainable Environmental Design 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.

COMUNCN 1	Intro Public Spkg	(4)		SPEECH 301	Public Speaking	(3)
				<u>OR</u>		
				SPEECH 302	Persuasive Speech	(3)
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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)
				<u>OR</u>		
				ENGWR 481	Honors College Composition and Literature	(3)
	<u>OR</u>			<u>OR</u>		
UWRITING 1	Expository Writing	(4)		ENGWR 300	College Composition	(3)
				<u>OR</u>		
				ENGWR 480	Honors College Composition	(3)
	<u>OR</u>			<u>OR</u>		
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)		ENGWR 302	Advanced Composition and Critical Thinking	(3)
				<u>OR</u>		
				ENGWR 482	Honors Advanced Composition and Critical Thinking	(3)
	<u>OR</u>			<u>OR</u>		
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)		NO COMPARABLE COURSE		
<hr/>						
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400 &	Principles of Biology	(5)
				BIOL 410 &	Principles of Botany	(5)
				BIOL 420	Principles of Zoology	(5)
				<u>OR</u>		
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 21	Landscape Rep I	(4)		HORT 322	Landscape and	(3)

Formerly Design Visualization			Irrigation Graphics and Design
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

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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.

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)	CISC 310	Introduction to Computer Information Science (3)
	OR			OR
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving (3)
	Formerly ENG CS 30			
			OR	
			CISP 360	Introduction to Structured Programming (4)
			OR	
			CISP 480	Honors Introduction to Structured Programming (5)

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)
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ECON 1B	Princ of Macroecon	(4)	ECON 302	Principles of Macroeconomics	(3)
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4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 310	Cultural Anthropology	(3)
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OR

			ANTH 481	Honors Cultural Anthropology	(3)
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OR

SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
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OR

ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 302	Art: Stone Age through the Middle Ages	(3)
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OR

			ARTH 322	Art History of the Non-Western World	(3)
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OR

ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 308	Renaissance Tradition in Art	(3)
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OR

ARTHI 1C	Baroque to Modern Art	(4)	ARTH 310	Modern Art	(3)
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OR

			ARTH 334	International Contemporary Art	(3)
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OR

ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE		
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ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
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OR

PHYSICS 10	Topics, Nonscientists	(4)	PHYS 310	Conceptual Physics	(3)
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OR

PSYCH 1	General Psychology	(4)	PSYC 300	General Principles	(3)
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OR

			PSYC 480	Honors General Principles	(3)
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SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE		
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STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
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Same as: STATIST 13Y

OR

			STAT 300	Introduction to Probability and Statistics	(4)
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TEX&CL 6	Intro Textiles	(4)	FASHN 320	Textiles	(3)
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TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE		
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TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		
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MGMT 11A	Elem Accounting	(4)	ACCT 301	Financial Accounting	(4)
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MGMT 11B	Elem Accounting	(4)	ACCT 311	Managerial Accounting	(4)
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CHEM 10	Concept of Chem	(4)	NO COMPARABLE COURSE		
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OR

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
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OR

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
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MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
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OR

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RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	BUS 340	Business Law	(3)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE		
MATH 16C	Short Calculus	(3)	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)		CISC 310	Introduction to Computer Information Science (3)
	OR			OR	
ENG CS 36A	Programming	(4)		CISP 300	Algorithm Design/Problem Solving (3)
	Formerly ENG CS 30			OR	
				CISP 360	Introduction to Structured Programming (4)
				OR	
				CISP 480	Honors Introduction to Structured Programming (5)

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)
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ECON 1B	Princ of Macroecon	(4)	ECON 302	Microeconomics Principles of Macroeconomics	(3)
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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 302	Art: Stone Age through the Middle Ages	(3)
			<u>OR</u>		
			ARTH 322	Art History of the Non-Western World	(3)
	<u>OR</u>			<u>OR</u>	
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 308	Renaissance Tradition in Art	(3)
	<u>OR</u>			<u>OR</u>	
ARTHI 1C	Baroque to Modern Art	(4)	ARTH 310	Modern Art	(3)
			<u>OR</u>		
			ARTH 334	International Contemporary Art	(3)
	<u>OR</u>			<u>OR</u>	
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE		

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
	<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)
			<u>OR</u>		
			PSYC 480	Honors General Principles	(3)
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	PSYC 330	Introductory Statistics for the Behavioral Sciences	(3)
	Same as: STATIST 13Y		<u>OR</u>		
			STAT 300	Introduction to Probability and Statistics	(4)
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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)

MATH 16A Short Calculus (3) | MATH 400 Calculus I (5)

RESTRICTED ELECTIVES (16 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	BUS 340	Business Law	(3)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 421	Organic Chemistry	(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 401	Calculus II	(5)
MATH 16C	Short Calculus	(3)	MATH 401	Calculus II	(5)
SOCIOL 25	Popular Culture	(4)	SOC 350	Sociology of Popular Culture	(3)

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.

====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 350	Theory and Techniques of Acting 1	(3)
			OR		
			TA 480	Honors Theory and Techniques of Acting	(3)
DRAMART 40A	Beg Modern Dance	(2)	DANCE 330	Modern Dance I	(1)
DRAMART 40B	Int Modern Dance	(2)	DANCE 332	Modern Dance II	(1)
DRAMART 42A	Beg Ballet	(2)	DANCE 320	Ballet I	(1)
DRAMART 42B	Inter Ballet	(2)	DANCE 321	Ballet II	(1)

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 400	Principles of Biology	(5)
	OR			OR	
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

OR EQUIVALENT AND advisor APPROVAL

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)
PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)

	AND			AND	
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)
	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)
			<u>OR</u>		
			ENGWR 480	Honors College Composition	(3)
	AND			AND	
COMUNCN 1	Intro Public Spkg	(4)	SPEECH 301	Public Speaking	(3)
			<u>OR</u>		
			SPEECH 302	Persuasive Speech	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPEECH 321	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	NO COMPARABLE COURSE		

Note: Completing UWP 1 and Communication 1 will simultaneously satisfy the College requirements.

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 400	Principles of Biology	(5)
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 400 &	Principles of Biology	(5)
			BIOL 410 &	Principles of Botany	(5)
			BIOL 420	Principles of Zoology	(5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)
g) BIOLSCI 2C	Intro Biology:	(5)	BIOL 410 &	Principles of Botany	(5)

	Biodiversity & the Tree of Life		BIOL 420	Principles of Zoology	(5)
			<u>OR</u>		
			BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 400	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 &	General Chemistry	(5)
			CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)

MATH 16A	Short Calculus	(3)	MATH 400	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 401	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	PHYS 350	General Physics	(4)
PHYSICS 1B	Principles Physics	(3)	PHYS 360	General Physics	(4)

ONE COURSE FROM THE FOLLOWING (3-4 QUARTER UNITS):

W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 50	Calif Wild Vertebrates	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 51	Intro to Conservation Biology	(3)	BIOL 352	Conservation Biology	(3)

RECOMMENDED COURSES FOR THE WILDLIFE HEALTH AREA OF SPECIALIZATION:

CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 &	Organic Chemistry	(5)
			CHEM 421	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 421	Organic Chemistry	(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)

END OF MAJOR

g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,

====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	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 400 & CHEM 401	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 401	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 423	Organic Chemistry - Short Survey	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 420	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128A	Organic Chemistry	(3)	CHEM 420	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 420 & CHEM 421	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 420	Organic Chemistry	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 410	Mechanics of Solids and Fluids	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 431	Heat, Waves, Light and Modern Physics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 421	Electricity and Magnetism	(4)
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)	NO COMPARABLE COURSE		
ENGIN 17	Circuits I	(4)	ENGR 401	Introduction to Electrical Circuits and Devices	(4)
ENGIN 35	Statics	(4)	ENGR 420	Statics	(3)

ENGIN 45	Prop of Mats	(4)	ENGR 413	Properties of Materials	(4.5)
ENG CS 20	C Sci/Discrete Math	(4)	CISP 440	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CISP 300	Algorithm Design/Problem Solving	(3)
Formerly ENG CS 30			<u>OR</u>		
			CISP 360	Introduction to Structured Programming	(4)
			<u>OR</u>		
			CISP 480	Honors Introduction to Structured Programming	(5)
ENG CS 36B	Object-Oriented Program	(4)	CISP 400	Object Oriented Programming with C++	(4)
Formerly ENG CS 40			<u>OR</u>		
			CISP 401	Object Oriented Programming with Java	(4)
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)
			<u>OR</u>		
			ENGWR 480	Honors College Composition	(3)
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)
			<u>OR</u>		
			ENGWR 481	Honors College Composition and Literature	(3)
COMUNCN 1	Intro Public Spkg	(4)	SPEECH 301	Public Speaking	(3)

				<u>OR</u>			
				SPEECH 302	Persuasive Speech	(3)	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		SPEECH 321	Interpersonal Communication	(3)	
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 400	Principles of Biology	(5)	
g) BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 400	<u>&</u> Principles of Biology	(5)	
				BIOL 410	<u>&</u> Principles of Botany	(5)	
				BIOL 420	Principles of Zoology	(5)	
				<u>OR</u>			
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)	
g) BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 410	<u>&</u> Principles of Botany	(5)	
				BIOL 420	Principles of Zoology	(5)	
				<u>OR</u>			
				BIOL 415	Introduction to Biology: Biodiversity, Evolution, and Ecology	(5)	
c) GEOLOGY 50	Physical Geology	(3)		GEOL 300	Physical Geology	(3)	
m)							
ATM SCI 60	Intro to Atmospheric Science	(4)		NO COMPARABLE COURSE			

END OF MAJOR

- g) Students at American River College may take either all of BIOL 400 AND 410 AND 420 OR they may take BIOL 415 to receive credit for BIOLSCI 2B and BIOLSCI 2C at UC Davis,
- c) This course is not strictly comparable with UC Davis course but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- m) If a student takes GEOL 300 at American River College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.