

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)		ANTHR 1	Cultural Anthropology	(3)
ECON 1A	Princ of Microecon	(4)		ECON 1B	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Principles of Macroeconomics	(3)
SOCIOL 1	Intro Sociology	(5)		SOCIO 1A	Introduction to Sociology	(3)
POL SCI 1	Amer Natl Govt	(4)		POLSC 1	American Government and Institutions	(3)
POL SCI 2	Intro Comp Politics	(4)		POLSC 2	Introduction to Comparative Politics	(3)
PSYCH 1	General Psychology	(4)		PSYCH 1	Introduction to Psychology	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)		HIST 31	Mexican-American History	(3)
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 34 Asian Pacific American History (3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE
WOM STD 50	Intro Gender Studies	(4)	SOCIO 27 Gender in Contemporary Society (3)

TWO COURSES FROM THE FOLLOWING:

HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED
HISTORY 17A	U.S. History	(4)	HIST 17A History of the United States (3)
HISTORY 17B	U.S. History	(4)	HIST 17B History of the United States (3)

4 QUARTER UNITS FROM THE FOLLOWING:

AF-AMST 16	African Verbal Arts	(4)	NO COMPARABLE COURSE
AF-AMST 51	History Af-Amr Dance	(4)	NO COMPARABLE COURSE
DRAMART 41A	Beg Jazz Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 41B	Inter Jazz Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 44A	Beg Hip Hop Dance	(2-4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 44B	Inter Hip Hop Dance	(2-4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 17A	History of the United States	(3)
	OR				OR	
POL SCI 1	Amer Natl Govt	(4)		POLSC 1	American Government and Institutions	(3)

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

AN SCI 1	Domestic Ani & People	(4)		AH SC 10	Principles of Animal	(3)
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AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE	Science	
AN SCI 21	Livestock&Dairy Jdg	(2)	AH SC 11A	Introduction to Livestock Evaluation	(2)
			<u>OR</u>		
			AH SC 11B	Beginning Livestock Evaluation	(2)
			<u>OR</u>		
			AH SC 11C	Intermediate Livestock Evaluation	(2)
			<u>OR</u>		
			AH SC 11D	Advanced Livestock Evaluation	(2)
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 COURSE ARTICULATED:	College has not submitted course(s) for articulation	
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 COURSE ARTICULATED:	College has not submitted course(s) for articulation	
	<u>AND</u>		<u>AND</u>		
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
	<u>OR</u>		<u>OR</u>		
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Principles of Macroeconomics	(3)
ENVHORT 1	Intro Envhort/Urb For	(3)	NO COMPARABLE COURSE		
ENVHORT 6	Intro Environ Plants	(4)	HORT 2	Plant Materials and Usage - Fall	(3)
			<u>OR</u>		
			HORT 3	Plant Materials and Usage - Spring	(3)
PL SCI 5	Plants Gard, Orch & Land	(2)	NO COMPARABLE COURSE		
	FORMERLY PLANT BIO 1				
ENV S&P 10	Current Issues in Environment	(3)	N R 2	Environmental Science	(3)
	ENV S&P 10 not open for credit to students who have completed ENV S&P 1				
ENV TOX 10	Intro Environ Toxicology	(3)	NO COMPARABLE COURSE		
HYDRO S 10	Water, Power, Society	(3)	NO 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)	PLANT 10	Principles of Plant Science	(3)
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 COURSE ARTICULATED:	College has not submitted course(s) for articulation	
VIT-ENO 3	Intro Winemaking	(3)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
	ALL OF THE FOLLOWING COURSES:				
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

t) GEOLOGY 1	The Earth	(4)	GEOL 1A	Physical Geology w/Lab	(4)
GEOLOGY 20	California Geology	(2)	NO COMPARABLE COURSE		
SOILSOCI 10	Soils in Our Environment	(3)	PLANT 14	Soil Science	(4)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			<u>OR</u>		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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

t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

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

Special Advising 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:

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AMR STD 10	Intro American Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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ONE COURSE FROM THE FOLLOWING:

AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
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AMR STD 1B	Relig in Am Lives	(4)	NO COMPARABLE COURSE
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AMR STD 1C	American Lives	(4)	NO COMPARABLE COURSE
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AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
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AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
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AMR STD 21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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AMR STD 25	U.S. as Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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AMR STD 30	Amr Images Pop Cult	(4)	NO COMPARABLE COURSE
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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
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AMR STD 59	Music and American Culture	(4)	NO COURSE ARTICULATED: College has not submitted courses for articulation
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ONE COURSE FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)		NO COMPARABLE COURSE	
A A STD 1	Hist Exp Asian Am	(4)		HIST 34	Asian Pacific American (3) History
CHICANO 10	Intro to Chic Std	(4)		HIST 31	Mexican-American (3) History
N A STD 1	Intro NA Studies	(4)		NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)		ANTHR 1	Cultural Anthropology (3)
SOCIOL 2	Self and Society	(4)		NO COMPARABLE COURSE	
WOM STD 50	Intro Gender Studies	(4)		SOCIO 27	Gender in Contemporary (3) Society

ONE COURSE FROM THE FOLLOWING:

HISTORY 17A	U.S. History	(4)		HIST 17A	History of the United (3) States
HISTORY 17B	U.S. History	(4)		HIST 17B	History of the United (3) States
HISTORY 72A	Am Women & Gender	(4)		NO COMPARABLE COURSE	
HISTORY 72B	Am Women & Gender	(4)		HIST 27	Women in History (3)

ONE COURSE FROM THE FOLLOWING:

ENGLISH 3	Intro to Lit	(4)		ENG 1B	Written Communications (3) II: A Critical Introduction to Literature
ENGLISH 10A	Literatures in English (4) I: To 1700			ENG 46A	Survey of British (3) Literature I
ENGLISH 10B	Literatures in English (4) II: 1700-1900			ENG 42A	Survey of American (3) Literature
				<u>OR</u>	
				ENG 46B	Survey of British (3) Literature II
ENGLISH 10C	Literatures in English (4) III: 1900 to Present			ENG 42B	Survey of American (3) Literature
FILM ST 1	Intro to Film Studies	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

Formerly Humanities 10

END OF MAJOR

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

Special Advising Note:

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

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

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

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BIOLSCI 2B	Earth Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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.

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

AN BIOL 50A	Animal Biol Lab	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN BIOL 50B	Animal Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN BIOL 50C	Animal Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

|submitted course(s) for articulation

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

AN SCI 1	Domest Ani & People	(4)	AH SC 10	Principles of Animal Science	(3)
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE		
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology	(4)
				General Zoology	(5)
				General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology	(5)
				General Botany	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry	(5)
				General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)	CS 11	Fundamentals of Computer Science	(3)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Principles of Macroeconomics	(3)
MGMT 11A	Elem Accounting	(4)	BUS 1A	Principles of Accounting	(5)
MGMT 11B	Elem Accounting	(4)	BUS 1B	Principles of Accounting	(5)
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)

			<u>OR</u>			
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)	
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)	
			<u>OR</u>			
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>			
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)	
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)	
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)	

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 18A Business Law (3)

END OF MAJOR

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

====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:

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

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

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

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

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

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

AN SCI 1	Domest Ani & People	(4)		AH SC 10	Principles of Animal Science	(3)
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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 &	Core Biology	(4)
				BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE		
	OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry	(5)
				CHEM 12B	Organic Chemistry	(5)

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
	OR			OR		
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS

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

====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.

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.

EVOLUTIONARY EMPHASIS:

ANTHRO 1	Human Evol Biol	(4)	ANTHR 2	Biological Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTHR 10	Introduction to Archaeology	(3)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 15	Human Life Cycle	(5)	FCS 19	Human Development	(3)
				Same as:	
ANTHRO 23	Intr World Prehist	(4)	NO COMPARABLE COURSE		
ANTHRO 24	Ancient Crops and People	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ANTHRO 50	Evolution and Human Nature	(4)	NO COURSE ARTICULATED: College has not 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)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
				<u>OR</u>	
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

SOCIOCULTURAL EMPHASIS:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
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TWO COURSES FROM THE FOLLOWING:

ANTHRO 1	Human Evol Biol	(4)	ANTHR 2	Biological Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTHR 10	Introduction to Archaeology	(3)
ANTHRO 4	Anthro Linguistics	(4)	ANTHR 4	Introduction to Linguistics	(3)
				Same as:	
				<u>OR</u>	
			HUM 4	Introduction to Linguistics	(3)
				Same as:	

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 COMPARABLE COURSE
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

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

Special Advising Note:

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Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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ANTHRO 1	Human Evol Biol	(4)	ANTHR 2	Biological Anthropology (3)
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ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTHR 10	Introduction to Archaeology	(3)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

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)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====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:

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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 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22B	Differntl Equations	(3)	MATH 4	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 5	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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NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE
	Formerly ENG CS 10		
ENGIN 6	Engr Prob Solving	(4)	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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
OR			OR		
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
OR			OR		
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Principles of Macroeconomics	(3)
OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
OR			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
STATIST 100	Applied Stats for Bio Sci	(4)	This course must be taken at UC Davis		

OR

OTHER APPROVED APPLIED PREPARATORY COURSES

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete a calculus-based physics series, a calculus series through linear algebra and differential equations, and a formal course in C programming before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree. As a result, students who expect to graduate in two years will need the recommended courses upon entry.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements

in English and mathematics by the end of fall term prior to enrollment.

Special Advising Note for future applicants:*

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

Transfer students must earn an overall GPA of 2.80 or higher to be competitive candidates for admission to this major (3.20 or higher for TAG applicants).

Strive to achieve your highest possible GPA in order to be most competitive. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the selective major course group. It is recommended that candidates have a cumulative GPA of at least 3.00 for the group of courses below that have been completed at the time of application and through the transfer academic update filing period. Whether planning for the general application or TAG process, courses must be taken for a letter grade, with no grade less than C. (Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC course equivalents).

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

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

PHYSICS 9A	Classical Physics	(5)	PHYSICS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)	PHYSICS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)	PHYSICS 4C	Principles of Physics: (4)

Electricity and
Magnetism

PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE	
	OR			
PHYSICS 9HA	Honors Physics	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 9HB	Honors Physics	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 9HC	Honors Physics	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 9HD	Honors Physics	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHYSICS 9HE	Honors Physics	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 4	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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		

COMPUTATIONAL PHYSICS CONCENTRATION

ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
	Formerly ENG CS 30		OR		
			CSP 31A	C++ Programming I	(3)
ENG CS 36B	Object-Oriented Program	(4)	CSP 31B	C++ Programming II	(3)
	Formerly ENG CS 40				

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

GEOPHYSICS CONCENTRATION

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

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

ENGIN 17	Circuits I	(4)	ENGR 6	Engineering Circuit Analysis	(4)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		
PHYSICS 80	Experimental Techniques	(4)	NO COURSE ARTICULATED		

PHYSICAL OCEANOGRAPHY CONCENTRATION

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

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

FOUR COURSES FROM THE FOLLOWING:

ARTHI 1A	Ancient Mediterranean Art	(4)	ART 1A	Art History: Europe from (3) Prehistory to 1400
ARTHI 1B	Mediev&Renaiss Art	(4)	NO COMPARABLE COURSE	
ARTHI 1C	Baroque to Modern Art	(4)	ART 1B	Art History: Europe from (3) the Fifteenth to the Twentieth Century
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE	
ARTHI 1E	Islamic Art & Architecture	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
ARTHI 5	Visual Culture	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation

ARTHI 25 Understanding Architecture (4) | NO COMPARABLE COURSE

ONE ART STUDIO COURSE FROM:

ART 2	Beginning Drawing	(4)		ART 33A	Beginning Drawing	(3)
				<u>OR</u>		
				ART 33B	Intermediate Drawing	(3)
ART 5	Beginning Sculpture	(4)		ART 20A &	Sculpture I	(3)
				ART 20B	Sculpture II	(3)
ART 7	Beginning Painting	(4)		NO COMPARABLE COURSE		
ART 8	Beginning Ceramic Sculpture	(4)		NO COMPARABLE COURSE		
ART 9	Beginning Photography	(4)		NO COMPARABLE COURSE		
ART 11	Beginning Printmaking	(4)		ART 40A	Printmaking I	(3)
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

====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](http://ucdavis.edu/transfer-admission-website). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more

information.

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

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

FOUR COURSES FROM THE FOLLOWING:

ART 2	Beginning Drawing	(4)	ART 33A	Beginning Drawing	(3)
			OR		
			ART 33B	Intermediate Drawing	(3)
ART 5	Beginning Sculpture	(4)	ART 20A &	Sculpture I	(3)
			ART 20B	Sculpture II	(3)
ART 7	Beginning Painting	(4)	NO COMPARABLE COURSE		
ART 8	Beginning Ceramic Sculpture	(4)	NO COMPARABLE COURSE		
ART 9	Beginning Photography	(4)	NO COMPARABLE COURSE		
ART 11	Beginning Printmaking	(4)	ART 40A	Printmaking I	(3)
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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARTHI 1A	Ancient Mediterranean Art	(4)	ART 1A	Art History: Europe from Prehistory to 1400	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	NO COMPARABLE COURSE		
ARTHI 1C	Baroque to Modern Art	(4)	ART 1B	Art History: Europe from the Fifteenth to the Twentieth Century	(3)
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE		
ARTHI 1E	Islamic Art & Architecture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARTHI 5	Visual Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARTHI 25	Understanding Architecture	(4)	NO COMPARABLE COURSE		

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General

Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

A A STD 1	Hist Exp Asian Am	(4)	HIST 34 Asian Pacific American History (3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE
A A STD 3	Social & Psychological Perspectives of Asian Americans	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	NO COMPARABLE COURSE
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)	HIST 31 Mexican-American History (3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
CHICANO 30	US Poli & Chicanos	(4)	NO COMPARABLE COURSE
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE
CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COMPARABLE COURSE
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 COMPARABLE COURSE
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE
N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE
N A STD 7	Indig & Minority Langs	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE
N A STD 33	Intro NA Art	(4)	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)	SOCIO 27 Gender in Contemporary Society (3)
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
ART 10	Fine Art Appreciation	(4)	NO COMPARABLE COURSE
ART 30	Contemp Vis Culture	(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
ENGLISH 42	Approaches to Reading	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
c) PHILOS 5	Critical Reasoning	(4)	PHILO 30 Introductory Logic (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)	PSYCH 4 Introduction to Research Methods in Psychology (3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	MATH 12 Introduction to Probability and Statistics (4)
	Same as: STATIST 13Y		

| OR
| PSYCH 2 Statistical Methods for (3)
| Psychology and Social
| Science

END OF MAJOR

c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both

====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)		PLANT 10	Principles of Plant Science	(3)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
<hr/>						
ENG CS 36A	Programming	(4)		CSP 26A	JAVA Programming	(3)
Formerly ENG CS 30				<u>OR</u>		
				CSP 31A	C++ Programming I	(3)

or a course selected with advisor's approval

MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)		MATH 4	Differential Equations	(4)
<hr/>						
ATM SCI 60	Intro to Atmospheric Science	(4)		NO COMPARABLE COURSE		
<hr/>						
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)		PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)		PHYS 4C	Principles of Physics: Electricity and Magnetism	(4)

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to	(4)
Same as: STATIST 13Y				Probability and	
				Statistics	
			<u>OR</u>		
			PSYCH 2	Statistical Methods for	(3)
				Psychology and Social	
				Science	

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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	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)	PHYSIC 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYSIC 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYSIC 4C	Principles of Physics: Electricity and Magnetism	(4)

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
OR			OR		
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)

CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)

RECOMMENDED:

MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
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END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 &	Core Biology	(4)
				BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE	
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE	
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A	Organic Chemistry (5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry (5)
				CHEM 12B	Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 12B	Organic Chemistry (5)

MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21A	Calculus	(4)		MATH 1	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II (4)

PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE	
PHYSICS 1B	Principles Physics	(3)		NO COMPARABLE COURSE	
	OR			OR	
PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	General Physics (4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	General Physics (4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	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 1B	General Chemistry (5)

MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus (4)

END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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 3	Vector Calculus	(4)
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END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

BIOTECH 1Y	Introduction to Biotechnology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry (5)
			CHEM 1B General Chemistry (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B General Chemistry (5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE
	OR		OR
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A Organic Chemistry (5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & Organic Chemistry (5)
			CHEM 12B Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B Organic Chemistry (5)
	OR		OR
CHEM 128A	Organic Chemistry	(3)	CHEM 12A Organic Chemistry (5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & Organic Chemistry (5)
			CHEM 12B Organic Chemistry (5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B Organic Chemistry (5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A Organic Chemistry (5)
MATH 16A	Short Calculus	(3)	MATH 13 Survey of Calculus (4)
			OR
			MATH 1 Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 2 Calculus II (4)
	OR		OR
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
MATH 21A	Calculus	(4)	MATH 1 Calculus I (5)
MATH 21B	Calculus	(4)	MATH 2 Calculus II (4)
PHYSICS 7A	General Physics	(4)	PHYS 2A & General Physics (4)
			PHYS 2B General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & General Physics (4)
			PHYS 2B 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)	CS 55 Discrete Structures for Computer Science (3)
ENG CS 36A	Programming	(4)	CSP 26A JAVA Programming (3)
Formerly ENG CS 30			OR
			CSP 31A C++ Programming I (3)

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 36B	Object-Oriented Program	(4)	CSP 31B C++ Programming II (3)
Formerly ENG CS 40			
ENG CS 36C	Data Structures	(4)	CSP 26B Data Structures with Java (3)
Formerly ENG CS 60			
ENG CS 50	Machine Dependent Prog	(4)	CSP 25 Assembly Language Programming (3)

END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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

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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PHYSICS 9A	Classical Physics	(5)	PHYSIC 4A	Principles of Physics: (4)	
				Mechanics	
PHYSICS 9B	Classical Physics	(5)	PHYSIC 4B	Principles of Physics: (4)	
				Waves, Sound, and	
				Thermodynamics	
PHYSICS 9C	Classical Physics	(5)	PHYSIC 4C	Principles of Physics: (4)	
				Electricity and	
				Magnetism	
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	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 4	Differential Equations	(4)

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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)		PHYSICS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)		PHYSICS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)		PHYSICS 4C	Principles of Physics: (4) Electricity and Magnetism

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)
	OR			OR		
MATH 17A	Calculus for BioSci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)

CHEM 128A	Organic Chemistry	(3)		CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)		CHEM 12A &	Organic Chemistry	(5)
				CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)		CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)		CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)		CHEM 12A &	Organic Chemistry	(5)
				CHEM 12B	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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Principles of Physics: (4) Mechanics	
PHYSICS 9B	Classical Physics	(5)	PHYS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics	
PHYSICS 9C	Classical Physics	(5)	PHYS 4C	Principles of Physics: (4) Electricity and Magnetism	

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	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 4	Differential Equations	(4)

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 129C	Organic Chem Lab	(2)	CHEM 12B	Organic Chemistry	(5)

RECOMMENDED COURSES:

PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE		
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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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)
	OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE		

PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	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)	PHYSICS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)	PHYSICS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)	PHYSICS 4C	Principles of Physics: (4) Electricity and Magnetism

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
			MATH 2	Calculus II	(4)
OR			OR		
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
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STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
OR			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
OR			OR		
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A <u>&</u>	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PHYSICS 7A	General Physics	(4)	PHYSIC 2A <u>&</u>	General Physics	(4)
			PHYSIC 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYSIC 2A <u>&</u>	General Physics	(4)
			PHYSIC 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYSIC 2A <u>&</u>	General Physics	(4)
			PHYSIC 2B	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)	PHYSICS 4A	Principles of Physics: (4) Mechanics	
PHYSICS 9B	Classical Physics	(5)	PHYSICS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics	
PHYSICS 9C	Classical Physics	(5)	PHYSICS 4C	Principles of Physics: (4) Electricity and Magnetism	

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
			MATH 2	Calculus II	(4)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
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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)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

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

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	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)	HIST 31	Mexican-American History	(3)
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE		
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
	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 COMPARABLE COURSE		
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 COMPARABLE COURSE		

CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE
SPANISH 1	Elementary Spanish	(5)	SPAN 1 Elementary Spanish I (5)
SPANISH 2	Elementary Spanish	(5)	SPAN 1 & Elementary Spanish I (5)
			SPAN 2 Elementary Spanish II (5)
SPANISH 3	Elementary Spanish	(5)	SPAN 2 Elementary Spanish II (5)
	OR		OR
SPANISH 28	Inter Conversation	(2)	NO COMPARABLE COURSE
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:

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)	HIST 31	Mexican-American History	(3)
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE		

CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
	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 COMPARABLE COURSE		
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 COMPARABLE COURSE		
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE		

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)	PSYCH 4	Introduction to Research Methods in Psychology	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		

SPANISH 1	Elementary Spanish	(5)	SPAN 1	Elementary Spanish I	(5)
SPANISH 2	Elementary Spanish	(5)	SPAN 1 &	Elementary Spanish I	(5)
			SPAN 2	Elementary Spanish II	(5)
SPANISH 3	Elementary Spanish	(5)	SPAN 2	Elementary Spanish II	(5)
	OR			OR	
SPANISH 28	Inter Conversation	(2)	NO COMPARABLE COURSE		
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)	CHIN 1	Elementary Chinese	(5)
x) CHINESE 2	Elem Chinese	(5)	CHIN 1 &	Elementary Chinese	(5)
			CHIN 2	Elementary Chinese	(5)
x) CHINESE 3	Elem Chinese	(5)	CHIN 2	Elementary Chinese	(5)
x) CHINESE 4	Inter Chinese	(5)	CHIN 3	Intermediate Chinese	(5)
x) CHINESE 5	Inter Chinese	(5)	CHIN 3 &	Intermediate Chinese	(5)
			CHIN 4	Intermediate Chinese	(5)
x) CHINESE 6	Inter Chinese	(5)	CHIN 4	Intermediate Chinese	(5)
	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)	HUM 4	Introduction to	(3)

				Linguistics
				Same as:
HISTORY 9A	East Asian Civ	(4)		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.**

====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) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation
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)	ART 1A	Art History: Europe from (3) Prehistory to 1400
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)		NO COMPARABLE COURSE
PHILOS 21	Phil Classics: Ancient	(4)		NO COMPARABLE COURSE
REL STD 21	The Bible	(4)		NO COMPARABLE COURSE
REL STD 40	New Testament	(4)		NO COMPARABLE COURSE

END OF MAJOR

====Classical Civilization (Classical Languages & Literature) A.B.====
Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education (GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See

additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

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

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)	ENG 1B	Written Communications	(3)
				II: A Critical	
				Introduction to	
				Literature	

UWRITING 1	OR Expository Writing	(4)	ENG 1A	OR Reading and Composition	(3)
COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
ECON 1B	OR Princ of Macroecon	(4)	ECON 1A	OR Principles of Macroeconomics	(3)
PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 3	OR Social Problems	(4)	SOCIO 1B	OR Problems of a Changing Society	(3)
ANTHRO 2	OR Cultural Anthropology	(5)	ANTHR 1	OR Cultural Anthropology	(3)
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		OR PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). 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)	HUM 4	Introduction to Linguistics	(3)
				Same as:	
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)	PHILO 30	Introductory Logic	(3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE	ARTICULATED:College has not submitted course(s)for articulation	
PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYCH 4	Introduction to Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

Emphasis 1: Computational

ENG CS 20	C Sci/Discrete Math	(4)	CS 55	Discrete Structures for Computer Science	(3)
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
	Formerly ENG CS 30			OR	
			CSP 31A	C++ Programming I	(3)
ENG CS 34	UNIX & C++	(5)	NO COURSE ARTICULATED		
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	CSP 31B	C++ Programming II	(3)
	Formerly ENG CS 40				
ENG CS 50	Machine Dependent Prog	(4)	CSP 25	Assembly Language Programming	(3)
ENG CS 32B	Intro to Data Structures	(4)			
	OR			OR	
ENG CS 36C	Data Structures	(4)	CSP 26B	Data Structures with Java	(3)
	Formerly ENG CS 60				
LINGUIS 1	Intro Linguistics	(4)	HUM 4	Introduction to Linguistics	(3)

Same as:

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
MATH 21A	Calculus	(4)	MATH 1 Calculus I (5)
MATH 21B	Calculus	(4)	MATH 2 Calculus II (4)

MATH 22A	Linear Algebra	(3)	MATH 5 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)	PHILO 30 Introductory Logic (3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

PSYCH 1	General Psychology	(4)	PSYCH 1 Introduction to Psychology (3)
PSYCH 41	Research Methods	(4)	PSYCH 4 Introduction to Research Methods in Psychology (3)

STATIST 13	Elementary Statistics	(4)	MATH 12 Introduction to Probability and Statistics (4)
	Same as: STATIST 13Y		
			OR
			PSYCH 2 Statistical Methods for Psychology and Social Science (3)

Emphasis 2: Neuroscience

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1 Core Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & Core Biology (4) BIOL 2 & General Zoology (5) BIOL 3 General Botany (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & General Zoology (5) BIOL 3 General Botany (4)

LINGUIS 1	Intro Linguistics	(4)	HUM 4 Introduction to Linguistics (3)
			Same as:

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
MATH 21A	Calculus	(4)	MATH 1 Calculus I (5)
MATH 21B	Calculus	(4)	MATH 2 Calculus II (4)
MATH 21C	Calculus	(4)	MATH 3 Vector Calculus (4)

COG SCI 1	Intro Cognitive Science	(4)	NO COURSE ARTICULATED
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	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)		PHYSIC 2A & General Physics	(4)
				PHYSIC 2B General Physics	(4)
PHYSICS 7B	General Physics	(4)		PHYSIC 2A & General Physics	(4)
				PHYSIC 2B General Physics	(4)
PHYSICS 7C	General Physics	(4)		PHYSIC 2A & General Physics	(4)
				PHYSIC 2B General Physics	(4)
	OR			OR	
PHYSICS 9A	Classical Physics	(5)		PHYSIC 4A Principles of Physics: (4)	
				Mechanics	
PHYSICS 9B	Classical Physics	(5)		PHYSIC 4B Principles of Physics: (4)	
				Waves, Sound, and	
				Thermodynamics	
PHYSICS 9C	Classical Physics	(5)		PHYSIC 4C Principles of Physics: (4)	
				Electricity and	
				Magnetism	
PSYCH 1	General Psychology	(4)		PSYCH 1 Introduction to (3)	
				Psychology	
PSYCH 41	Research Methods	(4)		PSYCH 4 Introduction to (3)	
				Research Methods in	
				Psychology	
STATIST 13	Elementary Statistics	(4)		MATH 12 Introduction to (4)	
Same as: STATIST 13Y				Probability and	
				Statistics	
				OR	
				PSYCH 2 Statistical Methods for (3)	
				Psychology and Social	
				Science	

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](http://ucdavis.edu/transfer-admission). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education (GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

ANTHRO 4	Anthro Linguistics	(4)		ANTHR 4	Introduction to Linguistics	(3)
					Same as:	
					OR	
				HUM 4	Introduction to Linguistics	(3)
					Same as:	
	OR				OR	
LINGUIS 1	Intro Linguistics	(4)		HUM 4	Introduction to Linguistics	(3)
					Same as:	
<hr/>						
COMUNCN 1	Intro Public Spkg	(4)		COM ST 1A	Public Speaking	(3)
	OR				OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		COM ST 3	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					
<hr/>						
COMUNCN 10Y	Intro to Communication	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>						
B) ENG CS 15	Intro to Computers	(4)		CS 11	Fundamentals of Computer 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.

	OR				OR	
PHILOS 12	Intro to Symbol Logic	(4)		PHILO 30	Introductory Logic	(3)

PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR		OR		
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

END OF MAJOR

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

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE)

English Composition Requirement for the Bachelor's Degree:

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

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

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

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

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

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

TWO COURSES FROM THE FOLLOWING:

COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
COMPLIT 1	Major Books-Ancient World	(4)	NO COMPARABLE COURSE		
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COMPARABLE COURSE		
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COMPARABLE COURSE		
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE COURSE		
ENGLISH 3	Intro to Lit	(4)	ENG 1B	Written Communications II: A Critical Introduction to Literature	(3)
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE		
UWRITING 1	Expository Writing	(4)	ENG 1A	Reading and Composition	(3)
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)	NO COMPARABLE COURSE		
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)	ENG 1D	Advanced Composition and Critical Thinking	(3)
CM&RGDE 1	The Community	(4)	NO COURSE ARTICULATED:	College has not	

CM&RGDE 2	Ethnicity Amer Comm	(4)		submitted course(s) for articulation	
				SOCIO 33	Social Inequality in (3)
					the United States

PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE	
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)		CS 11	Fundamentals of Computer (3)
					Science

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

ANTHRO 2	Cultural Anthropology	(5)		ANTHR 1	Cultural Anthropology (3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)		SOCIO 1A	Introduction to (3)
					Sociology

STATIST 13	Elementary Statistics	(4)		MATH 12	Introduction to (4)
	Same as: STATIST 13Y				Probability and
					Statistics
				OR	
				PSYCH 2	Statistical Methods for (3)
					Psychology and Social
					Science
	OR			OR	
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE	
				OR	
	OR			OR	
SOCIOL 46B	Intro Social Rsch	(5)		NO COMPARABLE COURSE	

END OF MAJOR

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

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). 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)	NO COMPARABLE COURSE
	OR		OR
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COMPARABLE COURSE
	OR		OR
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COMPARABLE COURSE
	OR		OR
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE COURSE

TWO COURSES FROM THE FOLLOWING:

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

COMPLIT 1	Major Books-Ancient World	(4)	NO COMPARABLE COURSE
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COMPARABLE COURSE
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COMPARABLE COURSE
COMPLIT 4	Maj Books:Cont Wrld	(4)	NO COMPARABLE COURSE
COMPLIT 5	Fairy Tales, Fables, Parables	(4)	NO COMPARABLE COURSE
COMPLIT 6	Myths & Legends	(4)	NO COMPARABLE COURSE
COMPLIT 7	Lit:Fant,Supernatl	(4)	NO COMPARABLE COURSE
COMPLIT 8	Utopias Transform	(4)	NO COMPARABLE COURSE
COMPLIT 9	Short Story & Novella	(4)	NO COMPARABLE COURSE
COMPLIT 11	Travel and Modern World	(4)	NO COURSE ARTICULATED: College has not

Same as: GERMAN 11			submitted course(s)for articulation
COMPLIT 12	Intro Women Writers	(4)	NO COMPARABLE COURSE
COMPLIT 13	Dramatic Lit	(3)	NO COMPARABLE COURSE
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 COMPARABLE COURSE
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE
COMPLIT 53B	Lit of South Asia	(4)	NO COMPARABLE COURSE
COMPLIT 53C	Lit of the Islamic World	(4)	NO 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

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents.

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

application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

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

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

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

END OF MAJOR

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

Special Advising Note:

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

from year to year.

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

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

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents.

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

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

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

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

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

END OF MAJOR

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

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Strive to achieve your highest possible GPA in order to be most competitive. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.40 for each of two course groups. It is recommended that candidates have already achieved the minimum required GPAs in the course(s) from the groups below that have been completed at the time of application and through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

Mathematics 21A/B/C

Engineering Computer Science (ENG CS) 20, 30, 50, 60

(as of F18 courses ENG CS 20, 36A, 50, 36C may be used to fulfill this requirement)

Transfer students must also meet UC transfer admission requirements. See the UC Davis [transfer admission website](#). UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the

major helps students move efficiently toward graduation and significantly reduces time to degree.

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 5	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)	CS 55	Discrete Structures for Computer Science	(3)
ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
	Formerly ENG CS 30		OR		
ENG CS 36B	Object-Oriented Program	(4)	CSP 31A	C++ Programming I	(3)
	Formerly ENG CS 40		CSP 31B	C++ Programming II	(3)
ENG CS 36C	Data Structures	(4)	CSP 26B	Data Structures with Java	(3)
	Formerly ENG CS 60				
ENG CS 50	Machine Dependent Prog	(4)	CSP 25	Assembly Language Programming	(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.

THREE OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 4C	Principles of Physics: Electricity and Magnetism	(4)

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

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

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

DESIGN 1	Intro to Design	(4)	NO COMPARABLE COURSE
DESIGN 14	Design Drawing	(4)	NO COMPARABLE COURSE
	OR		OR
DESIGN 21	Drafting and Perspective	(4)	NO COMPARABLE COURSE
DESIGN 15	Form & Color	(4)	ART 6 Color and Design (3)
	AND		AND
DESIGN 16	Graphics & The Computer	(4)	NO COMPARABLE COURSE
DESIGN 40A	Energy, Materials, Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
DESIGN 40B	Ideologies of Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	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 COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40B	Ideologies of Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
DESIGN 50	Intro to 3-D Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 70	Intro Textile Structure	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE
UWRITING 11	Pop Sci & Technol Wrtnng	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
	OR		OR
UWRITING 12	Writing/Visual Rhetoric	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
	OR		OR
UWRITING 48	Style in the Essay	(4)	NO COMPARABLE COURSE
	Formerly UWRITING 18		
	OR		OR

UWRITING 49 Writing Research Papers (4) | ENG 1D Advanced Composition and (3)
Formerly UWRITING 19 | Critical Thinking
END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

HISTORY 9A	East Asian Civ	(4) NO COMPARABLE COURSE
HISTORY 9B	East Asian Civ	(4) NO COMPARABLE COURSE

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 COMPARABLE COURSE
Same as: CHINESE 50				
E ASIAN 88	Korean Society	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 75	Introduction to Chinese Philosophy	(4)		NO COMPARABLE COURSE

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

x) CHINESE 1	Elem Chinese	(5)		CHIN 1	Elementary Chinese	(5)
x) CHINESE 2	Elem Chinese	(5)		CHIN 1 &	Elementary Chinese	(5)
				CHIN 2	Elementary Chinese	(5)
	OR			OR		
y) JPNESE 1	Elem Japanese	(5)		JAPAN 1	Elementary Japanese	(5)
y) JPNESE 2	Elem Japanese	(5)		JAPAN 1 &	Elementary Japanese	(5)
				JAPAN 2	Elementary Japanese	(5)

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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)

|CHEM 1B General Chemistry (5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE
	OR		OR
PHYSICS 7A	General Physics	(4)	PHYS 2A & General Physics (4)
			PHYS 2B General Physics (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & General Physics (4)
			PHYS 2B General Physics (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & General Physics (4)
			PHYS 2B General Physics (4)

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

MATH 16A	Short Calculus	(3)	MATH 13 Survey of Calculus (4)
			OR
			MATH 1 Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 2 Calculus II (4)
	OR		OR
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
MATH 21A	Calculus	(4)	MATH 1 Calculus I (5)
MATH 21B	Calculus	(4)	MATH 2 Calculus II (4)

ENV S&P 1 Env Analysis (4) |NO COURSE ARTICULATED: College has not submitted course(s) for articulation

PREPARATION FOR GRADUATION:

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

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major (3.20 or higher for TAG applicants).

Strive to achieve your highest possible GPA in order to be most competitive. Transfer students must complete courses comparable to the following UC Davis courses with a GPA of at least 3.0 for the course group. Additionally, transfer applicants must have already achieved the required GPA in any of these courses that have been completed at the time the transfer academic update is submitted. Courses must be taken for a letter grade, with no grade less than C. (Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents).

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

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

- Statistics 13

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

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

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
	<u>OR</u>			<u>OR</u>	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			<u>OR</u>		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

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

MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	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)	ENG 1B	Written Communications (3) II: A Critical Introduction to Literature
	OR			OR
UWRITING 1	Expository Writing	(4)	ENG 1A	Reading and Composition (3)
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENG 46A	Survey of British Literature I (3)
ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENG 42A	Survey of American Literature (3)
			OR	
			ENG 46B	Survey of British Literature II (3)
ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENG 42B	Survey of American Literature (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
ENGLISH 43	Intro Topics in Drama	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 44	Intro Topics in Fiction	(4)	NO COMPARABLE COURSE
ENGLISH 45	Intro Topics in Poetry	(4)	NO COMPARABLE COURSE

END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)

CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE		
	OR				OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)
	OR				OR	
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR				OR	

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

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

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
			<u>OR</u>		
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents.

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

Any required courses that are offered at your current college must be completed

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

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

END OF MAJOR

====Environmental Horticulture and Urban Forestry B.S.====
Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

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

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

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

ENVHORT 6	Intro Environ Plants	(4)	HORT 2	Plant Materials and Usage - Fall	(3)
			<u>OR</u>		
			HORT 3	Plant Materials and Usage - Spring	(3)

LND ARC 30	History Environ Design	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)
PL SCI 2	Bot Physio Cul Plt	(4)	PLANT 10	Principles of Plant Science	(3)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

ENV S&P 1	Env Analysis	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
ENV S&P 10	Current Issues in Environment	(3)	N R 2	Environmental Science	(3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1					
	<u>OR</u>			<u>OR</u>	
ENV S&P 30	Global Ecosystem	(3)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	Same as: ENV SC&M 30				

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

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

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			<u>OR</u>		
			MATH 1	Calculus I	(5)
	<u>OR</u>			<u>OR</u>	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

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

URBAN LANDSCAPE MANAGEMENT OPTION

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

COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
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END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

ASSIST for more information about UC Davis GE.

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COM ST 3	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	NO COMPARABLE COURSE		

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
	OR			OR	
BIOLSCI 10	Everyday Biology	(4)	BIOL 10	Survey of Biology	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
	OR			OR	
CHEM 10	Concept of Chem	(4)	CHEM 10	Exploring Everyday Chemistry	(3)

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

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
	OR			OR	

CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
	OR			OR	

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

ONE COURSE FROM THE FOLLOWING:

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

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

ONE COURSE FROM THE FOLLOWING:

AN SCI 1	Domest Ani & People	(4)	AH SC 10	Principles of Animal Science	(3)
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		
t) GEOLOGY 1	The Earth	(4)	GEOL 1A	Physical Geology w/Lab	(4)
PL SCI 12	Plants and Society	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
Same as: SCI&SOC 12 FORMERLY PLANT BIO 12					
W&F BIO 51	Intro to Conservation Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
			MATH 2	Calculus II	(4)
			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

POL SCI 1	Amer Natl Govt	(4)	POLSC 1	American Government and Institutions	(3)

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			<u>OR</u>		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

CLIMATE CHANGE POLICY AREA:					
SCI&SOC 25	Global Climate Change	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====Environmental Science and Management B.S.====

Special Advising Note:

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COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COM ST 3	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	NO COMPARABLE COURSE		

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

t) GEOLOGY 1	The Earth	(4)	GEOL 1A	Physical Geology w/Lab	(4)
	OR			OR	
e) GEOLOGY 50	Physical Geology	(3)	GEOL 1A	Physical Geology w/Lab	(4)
t)					

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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.

ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
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MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
	OR		MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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RECOMMENDED COURSES FOR THIS MAJOR:

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PREPARATION FOR GRADUATION:

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

ECOLOGY, BIODIVERSITY, AND CONSERVATION TRACK:

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

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

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

END OF MAJOR

- t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.
- e) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

*Students majoring in Sustainable Agriculture and Food Systems who plan to

fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2	Core Biology General Zoology	(4) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(4) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

PHYSICS 7A	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	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

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21A	Calculus	(4)		MATH 1	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II (4)

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

RECOMMENDED:

MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus (4)

END OF MAJOR

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

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

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

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

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

* Students planning for the major biochemistry and molecular biology should

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

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21A	Calculus	(4)		MATH 1	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II (4)

PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	General Physics (4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	General Physics (4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics (4)
				PHYS 2B	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 3	Vector Calculus (4)
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END OF MAJOR

====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 1A	General Chemistry (5)
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The undergraduate major Fiber and Polymer Science in the College of Agricultural and Environmental Sciences has been suspended for fall 2017 applicants, and fall 2017 TAGs will not be available. The minor in Fiber and Polymer Science will remain available to these applicants. Fall 2017 applicants are encouraged to consider the Textiles and Clothing major, Textile Science option.

CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry (5)
				CHEM 1B	General Chemistry (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry (5)

B) ENG CS 15	Intro to Computers	(4)		CS 11	Fundamentals of Computer Science (3)
	OR			OR	
ENG CS 36A	Programming	(4)		CSP 26A	JAVA Programming (3)
Formerly ENG CS 30				OR	
				CSP 31A	C++ Programming I (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.

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus (4)
				OR	
				MATH 1	Calculus I (5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II (4)

MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

PHYSICS 7A	General Physics	(4)	PHYSICS 2A &	General Physics	(4)
			PHYSICS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYSICS 2A &	General Physics	(4)
			PHYSICS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYSICS 2A &	General Physics	(4)
			PHYSICS 2B	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)	PHYSICS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYSICS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYSICS 4C	Principles of Physics: Electricity and Magnetism	(4)

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

TEX&CL 6	Intro Textiles	(4)	FASHION 6	Textiles	(3)
			Same as:		

TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		
	OR			OR	

ENGIN 45	Prop of Mats	(4)	ENGR 4	Engineering Materials	(4)
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PREPARATION FOR GRADUATION:

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)

ELECTIVE COURSES:

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

MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)
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MATH 22B Differntl Equations (3)|MATH 4 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)		COM ST 1A	Public Speaking	(3)
MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 1	Core Biology	(4)
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE		
	AND			AND		
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE		
	OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A	Organic Chemistry	(5)
	AND			AND		
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry	(5)
	OR			CHEM 12B	Organic Chemistry	(5)
	OR			OR		
CHEM 128A	Organic Chemistry	(3)		CHEM 12A	Organic Chemistry	(5)
	AND			AND		
CHEM 128B	Organic Chemistry	(3)		CHEM 12A &	Organic Chemistry	(5)
	AND			CHEM 12B	Organic Chemistry	(5)
	AND			AND		
CHEM 129A	Organic Chem Lab	(2)		CHEM 12A	Organic Chemistry	(5)
PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics	(4)

PHYSICS 7B	General Physics	(4)		PHYS 2B	General Physics	(4)
				PHYS 2A	& General Physics	(4)
				PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)		PHYS 2A	& General Physics	(4)
				PHYS 2B	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)		MATH 12	Introduction to	(4)
Same as: STATIST 13Y					Probability and	
					Statistics	
				OR		
				PSYCH 2	Statistical Methods for	(3)
					Psychology and Social	
					Science	

NUTR 10 Discoveries and Concepts (3) | FCS 6 Nutrition (3)

RECOMMENDED FOR STUDENTS INTENDING TO PURSUE GRADUATE OR PROFESSIONAL STUDIES:

CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 12B	Organic Chemistry	(5)
	OR				OR	
CHEM 128C	Organic Chemistry	(3)		CHEM 12B	Organic Chemistry	(5)
	AND				AND	
CHEM 129B	Organic Chem Lab	(2)		CHEM 12A	& Organic Chemistry	(5)
				CHEM 12B	Organic Chemistry	(5)
	AND				AND	
CHEM 129C	Organic Chem Lab	(2)		CHEM 12B	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](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.

FRENCH 1	Elementary French	(5)		FREN 1	Elementary French	(5)
FRENCH 2	Elementary French	(5)		FREN 1 &	Elementary French	(5)
				FREN 2	Elementary French	(5)
FRENCH 3	Elementary French	(5)		FREN 2	Elementary French	(5)
FRENCH 21	Intermed French	(5)		FREN 3	Intermediate French	(5)
FRENCH 22	Intermed French	(5)		FREN 3 &	Intermediate French	(5)
				FREN 4	Intermediate French	(5)
FRENCH 23	Intermed French	(5)		FREN 4	Intermediate French	(5)

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:

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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.

WOM STD 50	Intro Gender Studies	(4)	SOCIO 27	Gender in Contemporary Society	(3)
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		
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)	NO COMPARABLE COURSE		
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE		
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 34	Asian Pacific American History	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)	HIST 31	Mexican-American History	(3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE		
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)	ENG 1B	Written Communications	(3)

			II: A Critical Introduction to Literature	
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE	
HISTORY 72B	Am Women & Gender	(4)	HIST 27 Women in 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)	NO COMPARABLE COURSE	
PSYCH 1	General Psychology	(4)	PSYCH 1 Introduction to Psychology	(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)	SOCIO 1B Problems of a Changing Society	(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 COURSE ARTICULATED: College has not submitted course(s) for articulation	
UWRITING 49	Writing Research Papers	(4)	ENG 1D Advanced Composition and Critical Thinking	(3)
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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
<hr/>					
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
<hr/>					
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 3	Vector Calculus	(4)
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END OF MAJOR

====Geology A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

GEOLOGY 3	History of Life	(3)	GEOL 1B	Historical Geology w/Lab	(4)
GEOLOGY 3L	History of Life Lab	(1)	GEOL 1B	Historical Geology w/Lab	(4)
e) GEOLOGY 50	Physical Geology	(3)	GEOL 1A	Physical Geology w/Lab	(4)
t) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 1A	Physical Geology w/Lab	(4)
e) GEOLOGY 60	Earth Materials: Intro	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
			MATH 2	Calculus II	(4)
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
	<u>OR</u>			<u>OR</u>	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

- e) **This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.**
- t) **If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.**

====Geology B.S.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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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.

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

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GEOLOGY 3	History of Life	(3)	GEOL 1B	Historical Geology w/Lab	(4)
GEOLOGY 3L	History of Life Lab	(1)	GEOL 1B	Historical Geology w/Lab	(4)
e) GEOLOGY 50	Physical Geology	(3)	GEOL 1A	Physical Geology w/Lab	(4)
t) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 1A	Physical Geology w/Lab	(4)
e) GEOLOGY 60	Earth Materials: Intro	(4)	NO COMPARABLE COURSE		
GEOLOGY 62	Optical Mineralogy	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

SELECT ONE OF THE FOLLOWING THREE OPTIONS:

GENERAL GEOLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 4C	Principles of Physics: 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 1B	General Chemistry	(5)
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STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE	
MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus (4)
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)		PHYS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics

QUANTITATIVE/GEOPHYSICS OPTION:

MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus (4)
MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra (3)
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)		PHYS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)		PHYS 4C	Principles of Physics: (4) Electricity and Magnetism

END OF MAJOR

- e) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====German A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC

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

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

GERMAN 1	Elementary German	(5)		GERM 1	Elementary German	(5)
GERMAN 2	Elementary German	(5)		GERM 1 &	Elementary German	(5)
				GERM 2	Elementary German	(5)
GERMAN 3	Elementary German	(5)		GERM 2	Elementary German	(5)
GERMAN 20	Intermediate German	(4)		GERM 3 &	Intermediate German	(5)
				GERM 4	Intermediate German	(5)
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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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)	MATH 12	Introduction to	(4)
Same as: STATIST 13Y				Probability and	
				Statistics	
			<u>OR</u>		
			PSYCH 2	Statistical Methods for	(3)
				Psychology and Social	
				Science	

END OF MAJOR

====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) | NO COMPARABLE COURSE
HISTORY 9B East Asian Civ (4) | NO COMPARABLE COURSE

C. EUROPE

HISTORY 4A Western Civ (4) | NO COMPARABLE COURSE
HISTORY 4B Western Civ (4) | HIST 4A & History of Western Civilization (3)
| HIST 4B History of Western Civilization (3)
HISTORY 4C Western Civ (4) | NO COMPARABLE COURSE

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)	HIST 6C	History of the Middle East	(3)
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F. UNITED STATES

HISTORY 17A	U.S. History	(4)	HIST 17A	History of the United States	(3)
HISTORY 17B	U.S. History	(4)	HIST 17B	History of the United States	(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 27	Women in 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 2A	World History to 1600	(3)
HISTORY 10B	World History 1350-1850	(4)	HIST 2A &	World History to 1600	(3)
			HIST 2B	World History since 1600	(3)
HISTORY 10C	World History III	(4)	HIST 2B	World History since 1600	(3)
HISTORY 11	Hist Jewish People	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 12	Food and History	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 13	Global Sexualities	(4)	NO COURSE ARTICULATED		
HISTORY 14	Hist Global Capitalism	(4)	NO COURSE ARTICULATED		
HISTORY 20	The Vietnam War	(4)	NO COURSE ARTICULATED		
HISTORY 90	Research in History	(4)	NO COURSE ARTICULATED		

END OF MAJOR**====Human Development B.S.====****Special Advising Note:**

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
ANTHRO 15	Human Life Cycle	(5)	FCS 19	Human Development	(3)
				Same as:	

Select one course from:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
	OR			OR	
BIOLSCI 10	Everyday Biology	(4)	BIOL 10	Survey of Biology	(4)
	OR			OR	
MIC BIO 10	Natural History of Infectious Diseases	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
NE PH B 12	Human Brain and Disease	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		
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Select one course from:

HISTORY 17A	U.S. History	(4)	HIST 17A	History of the United States	(3)
	OR			OR	
HISTORY 17B	U.S. History	(4)	HIST 17B	History of the United States	(3)
	OR			OR	
HISTORY 72A	Am Women & Gender	(4)	NO COMPARABLE COURSE		
	OR			OR	
HISTORY 72B	Am Women & Gender	(4)	HIST 27	Women in History	(3)
	OR			OR	
POL SCI 1	Amer Natl Govt	(4)	POLSC 1	American Government and Institutions	(3)

Select two of the following courses:

c) PHILOS 5	Critical Reasoning	(4)	PHILO 30	Introductory Logic	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 30	Intro Philos of Sci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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 32	Human Physiology	(5)
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PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(3)
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Select one of the following options:

PSYCH 41	Research Methods	(4)	PSYCH 4	Introduction to Research Methods in Psychology	(3)
	OR			OR	
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND			AND	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 10	Statist Thinking	(4)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to	(4)

Same as: STATIST 13Y

Probability and
Statistics

OR

PSYCH 2

Statistical Methods for (3)
Psychology and Social
Science

END OF MAJOR

c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)		PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)		PHYS 4C	Principles of Physics: Electricity and Magnetism	(4)
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)		MATH 4	Differential Equations	(4)
e) GEOLOGY 50	Physical Geology	(3)		GEOL 1A	Physical Geology w/Lab	(4)
t) GEOLOGY 50L	Physical Geol Lab	(2)		GEOL 1A	Physical Geology w/Lab	(4)
e)						

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

- e) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====International Agricultural Development B.S.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) 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 COMPARABLE COURSE	
PL SCI 2	Bot Physio Cul Plt	(4)		PLANT 10	Principles of Plant Science (3)
SOILSCI 10	Soils in Our Environment	(3)		PLANT 14	Soil Science (4)
ECON 1A	Princ of Microecon	(4)		ECON 1B	Principles of Microeconomics (3)
	AND			AND	
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Principles of Macroeconomics (3)
STATIST 13	Elementary Statistics	(4)		MATH 12	Introduction to Probability and Statistics (4)
	Same as: STATIST 13Y			OR	
	OR			PSYCH 2	Statistical Methods for Psychology and Social Science (3)
SOCIOL 46B	Intro Social Rsch	(5)		OR	
				NO COMPARABLE COURSE	
MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus (4)
				OR	
				MATH 1	Calculus I (5)
CM&RGDE 1	The Community	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

SIX QUARTER UNITS FROM THE FOLLOWING:

AGRESEC 15	Pop,Envr,World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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)	FCS 6 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 1 CoreBiology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & Core Biology (4) BIOL 2 & General Zoology (5) BIOL 3 General Botany (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry (5) CHEM 1B General Chemistry (5)

TRADE AND ECONOMIC DEVELOPMENT OPTION:

MATH 16B	Short Calculus	(3)	MATH 2 Calculus II (4)
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A Introduction to Sociology (3)
OR			OR
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1 Cultural Anthropology (3)
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ENVIRONMENTAL ISSUES OPTION:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1 Core Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & Core Biology (4) BIOL 2 & General Zoology (5) BIOL 3 General Botany (4)
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

RURAL COMMUNITIES OPTION:

SOCIOL 1	Intro Sociology	(5)	SOCIO 1A Introduction to Sociology (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1 Cultural Anthropology (3)

END OF MAJOR

====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)		ANTHR 1	Cultural Anthropology	(3)
	OR			OR		
ECON 1A	Princ of Microecon	(4)		ECON 1B	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Principles of Macroeconomics	(3)
HISTORY 4C	Western Civ	(4)		NO COMPARABLE COURSE		
	OR			OR		
HISTORY 10C	World History III	(4)		HIST 2B	World History since 1600	(3)
POL SCI 2	Intro Comp Politics	(4)		POLSC 2	Introduction to Comparative Politics	(3)

POL SCI 3	Internatl Relations	(4)	POLSC 5	International Relations	(3)

POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not Same as: COMUNCN 12Y, PSYCH 12Y submitted course(s)for articulation		
	SOCIOL 12Y				
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to	(4)
	Same as: STATIST 13Y			Probability and	
				Statistics	
			OR		
			PSYCH 2	Statistical Methods for	(3)
				Psychology and Social	
				Science	
	OR			OR	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

POL SCI 51	Scientific Study of	(4)	NO COURSE ARTICULATED: College has not Politics 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 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	
x) CHINESE 1	Elem Chinese	(5)	CHIN 1	Elementary Chinese	(5)
x) CHINESE 2	Elem Chinese	(5)	CHIN 1 &	Elementary Chinese	(5)
			CHIN 2	Elementary Chinese	(5)
x) CHINESE 3	Elem Chinese	(5)	CHIN 2	Elementary Chinese	(5)
x) CHINESE 4	Inter Chinese	(5)	CHIN 3	Intermediate Chinese	(5)
x) CHINESE 5	Inter Chinese	(5)	CHIN 3 &	Intermediate Chinese	(5)
			CHIN 4	Intermediate Chinese	(5)
x) CHINESE 6	Inter Chinese	(5)	CHIN 4	Intermediate Chinese	(5)
	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	(5)	NO COMPARABLE COURSE		
	II				
x) CHINESE 3BL	Accl Wrtn Chinese	(5)	NO COMPARABLE COURSE		
	III				
	OR			OR	
FRENCH 1	Elementary French	(5)	FREN 1	Elementary French	(5)
FRENCH 2	Elementary French	(5)	FREN 1 &	Elementary French	(5)
			FREN 2	Elementary French	(5)

FRENCH 3	Elementary French	(5)	FREN 2	Elementary French	(5)
FRENCH 21	Intermed French	(5)	FREN 3	Intermediate French	(5)
FRENCH 22	Intermed French	(5)	FREN 3 &	Intermediate French	(5)
			FREN 4	Intermediate French	(5)
	OR			OR	
GERMAN 1	Elementary German	(5)	GERM 1	Elementary German	(5)
GERMAN 2	Elementary German	(5)	GERM 1 &	Elementary German	(5)
			GERM 2	Elementary German	(5)
GERMAN 3	Elementary German	(5)	GERM 2	Elementary German	(5)
GERMAN 20	Intermediate German	(4)	GERM 3 &	Intermediate German	(5)
			GERM 4	Intermediate German	(5)
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)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
ITALIAN 1	Elementary Italian	(5)	ITAL 1	Elementary Italian	(5)
ITALIAN 2	Elementary Italian	(5)	ITAL 1 &	Elementary Italian	(5)
			ITAL 2	Elementary Italian	(5)
ITALIAN 3	Elementary Italian	(5)	ITAL 2	Elementary Italian	(5)
ITALIAN 4	Interm Italian	(4)	ITAL 3	Intermediate Italian	(5)
ITALIAN 5	Interm Italian	(4)	ITAL 3 &	Intermediate Italian	(5)
			ITAL 4	Intermediate Italian	(5)
	OR			OR	
ITALIAN 1	Elementary Italian	(5)	ITAL 1	Elementary Italian	(5)
ITALIAN 2	Elementary Italian	(5)	ITAL 1 &	Elementary Italian	(5)
			ITAL 2	Elementary Italian	(5)
ITALIAN 3	Elementary Italian	(5)	ITAL 2	Elementary Italian	(5)
ITALIAN 8A	Italian Convers	(3)		NO COMPARABLE COURSE	
ITALIAN 8B	Italian Convers	(3)		NO COMPARABLE COURSE	
	OR			OR	
y) JPNESE 1	Elem Japanese	(5)	JAPAN 1	Elementary Japanese	(5)
y) JPNESE 2	Elem Japanese	(5)	JAPAN 1 &	Elementary Japanese	(5)
			JAPAN 2	Elementary Japanese	(5)
y) JPNESE 3	Elem Japanese	(5)	JAPAN 2	Elementary Japanese	(5)
y) JPNESE 4	Inter Japanese	(5)	JAPAN 3	Intermediate Japanese	(5)
y) JPNESE 5	Inter Japanese	(5)	JAPAN 4	Intermediate Japanese	(5)
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)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
RUSSIAN 2	Elementary Russian	(5)		NO COMPARABLE COURSE
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 1 Elementary Spanish I (5)
SPANISH 2	Elementary Spanish	(5)		SPAN 1 & Elementary Spanish I (5)
				SPAN 2 Elementary Spanish II (5)
SPANISH 3	Elementary Spanish	(5)		SPAN 2 Elementary Spanish II (5)
SPANISH 21	Intm Spanish	(5)		SPAN 3 Intermediate Spanish I (5)
SPANISH 22	Intm Spanish	(5)		SPAN 4 Intermediate Spanish II (5)
	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 1	Elementary Italian	(5)
ITALIAN 2	Elementary Italian	(5)		ITAL 1 &	Elementary Italian	(5)
				ITAL 2	Elementary Italian	(5)
ITALIAN 3	Elementary Italian	(5)		ITAL 2	Elementary Italian	(5)
ITALIAN 4	Interm Italian	(4)		ITAL 3	Intermediate Italian	(5)
ITALIAN 5	Interm Italian	(4)		ITAL 3 &	Intermediate Italian	(5)
				ITAL 4	Intermediate Italian	(5)
ITALIAN 9	Reading Italian	(4)		ITAL 4	Intermediate Italian	(5)

RECOMMENDED: Study abroad in Italy for a period of one year, one semester, or one quarter, and/or the study of Latin or another Romance language.

END OF MAJOR

====Japanese A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for

the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Japanese Placement Examination Note:

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

y) JPNESE 1	Elem Japanese	(5)	JAPAN 1	Elementary Japanese	(5)
y) JPNESE 2	Elem Japanese	(5)	JAPAN 1 &	Elementary Japanese	(5)
			JAPAN 2	Elementary Japanese	(5)
y) JPNESE 3	Elem Japanese	(5)	JAPAN 2	Elementary Japanese	(5)
y) JPNESE 4	Inter Japanese	(5)	JAPAN 3	Intermediate Japanese	(5)
y) JPNESE 5	Inter Japanese	(5)	JAPAN 4	Intermediate Japanese	(5)
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)	HUM 4 Introduction to Linguistics	(3)
			Same as:	
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE	

END OF MAJOR

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

====Landscape Architecture B.S.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

PRE-MAJOR REQUIREMENT:

Students who wish to major in landscape architecture must apply to "Landscape Architecture (Pre-)." Admission to UC Davis in pre-landscape architecture does not guarantee admission to the landscape architecture major.

After applying for admission, students submit a separate portfolio application to the landscape architecture program in February, either before or after enrollment at UC Davis. Contact the Landscape Architecture Advising Office at (530) 754-8628 or visit humanecology.ucdavis.edu/lda for details.

To be a competitive applicant, you must earn an overall transfer GPA of 2.80 or higher.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
<hr/>					
ENGLISH 3	Intro to Lit	(4)	ENG 1B	Written Communications II: A Critical Introduction to Literature	(3)
	OR			OR	

UWRITING 1	Expository Writing	(4)	ENG 1A	Reading and Composition	(3)
	OR			OR	
UWRITING 48	Style in the Essay	(4)	NO COMPARABLE COURSE		
	Formerly UWRITING 18			OR	
UWRITING 49	Writing Research Papers	(4)	ENG 1D	Advanced Composition and	(3)
	Formerly UWRITING 19			Critical Thinking	

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)

ENVHORT 6	Intro Environ Plants	(4)	HORT 2	Plant Materials and Usage - Fall	(3)
			OR		
			HORT 3	Plant Materials and Usage - Spring	(3)

ONE COURSE FROM THE FOLLOWING:

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
STATIST 13	Elementary Statistics	(4)	MATH 1	Calculus I	(5)
	Same as: STATIST 13Y		MATH 12	Introduction to Probability and Statistics	(4)
			OR		
ENG CS 32A	Intro to Programming	(4)	PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
	Formerly ENG CS 10		NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING:

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 10	Concept of Chem	(4)	CHEM 10	Exploring Everyday Chemistry	(3)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 10	Topics, Nonscientists	(4)	PHYSC 10	Introduction to Physics	(4)
t) GEOLOGY 1	The Earth	(4)	GEOL 1A	Physical Geology w/Lab	(4)
SOILSCI 10	Soils in Our Environment	(3)	PLANT 14	Soil Science	(4)

LND ARC 1	Intro Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 2	Place, Culture, Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 3	Sustainable Development	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 21	Landscape Rep I	(4)	NO COMPARABLE COURSE		
	Formerly Design Visualization				
LND ARC 23	Landscape Rep II	(3)	NO COURSE ARTICULATED		
LND ARC 30	History Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 50	Site Ecology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 60	Landform Grading Studio	(6)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 70	Intro to Spacemaking	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.

====Linguistics A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). 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)	HUM 4	Introduction to Linguistics	(3)
				Same as:	

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)		COM ST 1A	Public Speaking	(3)
	OR				OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		COM ST 3	Interpersonal Communication	(3)
<hr/>						
AGRESEC 18	Business Law	(4)		BUS 18A	Business Law	(3)
<hr/>						
ECON 1A	Princ of Microecon	(4)		ECON 1B	Principles of	(3)

ECON 1B	Princ of Macroecon	(4)		ECON 1A	Microeconomics Principles of Macroeconomics	(3)
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PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE		
	OR			OR		
B) ENG CS 15	Intro to Computers	(4)		CS 11	Fundamentals of Computer 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)		BUS 1A	Principles of Accounting	(5)
MGMT 11B	Elem Accounting	(4)		BUS 1B	Principles of Accounting	(5)

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)

	OR			OR		
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)

STATIST 13	Elementary Statistics	(4)		MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y					
				OR		
				PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

END OF MAJOR

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

**====Marine and Coastal Science B.S. (Coastal Environmental Processes)====
Special Advising Note:**

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

-Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)

-Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)

-Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)

-Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)

MATH 16A	Short Calculus	(3)		MATH 13	Survey of Calculus	(4)
				OR		
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)
	OR			OR		
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)

PHYSICS 7A	General Physics	(4)		PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)		PHYS 2A & PHYS 2B	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)		PHYSIC 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)		PHYSIC 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)		PHYSIC 4C	Principles of Physics: (4) Electricity and Magnetism

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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GEOLOGY 16	The Oceans	(3)		GEOL 16	Oceanography (3)
				<u>OR</u>	
				GEOL 16A	Oceanography w/Lab (4)

END OF MAJOR

**===Marine and Coastal Science B.S. (Marine Ecology and Organismal Biology)===
Special Advising Note:**

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

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

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

Organic Chemistry series cited on ASSIST for your major*
Physics 7A/B/C or the physics series cited on ASSIST
for your intended College of Biological Sciences major (especially

useful for Neurobiology, Physiology and Behavior majors).

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

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)
- Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)
- Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 &	Core Biology	(4)
				BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)

BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)
	AND			AND		
CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE		

MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics	(4)
				PHYS 2B	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 4A	Principles of Physics: (4) Mechanics	
PHYSICS 9B	Classical Physics	(5)		PHYS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics	
PHYSICS 9C	Classical Physics	(5)		PHYS 4C	Principles of Physics: (4) Electricity and Magnetism	

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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GEOLOGY 16	The Oceans	(3)		GEOL 16	Oceanography	(3)
				OR		
				GEOL 16A	Oceanography w/Lab	(4)

END OF MAJOR

**===Marine and Coastal Science B.S. (Marine Environmental Chemistry)===
Special Advising Note:**

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation

and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

-Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)

-Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)

-Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)

-Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
	OR		MATH 2	Calculus II	(4)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR		OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)

PHYSICS 7C	General Physics	(4)		PHYSIC 2A &	General Physics	(4)
				PHYSIC 2B	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)		PHYSIC 4A	Principles of Physics: (4)	
					Mechanics	
PHYSICS 9B	Classical Physics	(5)		PHYSIC 4B	Principles of Physics: (4)	
					Waves, Sound, and	
					Thermodynamics	
PHYSICS 9C	Classical Physics	(5)		PHYSIC 4C	Principles of Physics: (4)	
					Electricity and	
					Magnetism	

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)		GEOLOGY 16	Oceanography	(3)
				OR		
				GEOLOGY 16A	Oceanography w/Lab	(4)

END OF MAJOR

**====Marine and Coastal Science B.S. (Oceans and the Earth System)====
Special Advising Note:**

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Students must identify an area of focus in order to select the appropriate major/college pairing on the UC application for undergraduate admission and scholarships. A student's chosen focus area will determine the college into which the student is admitted, the college where the degree is awarded, and the associated department:

- Coastal Environmental Processes (College of Agricultural and Environmental Sciences; Environmental Science and Policy)
- Marine Ecology and Organismal Biology (College of Biological Sciences; Evolution and Ecology)
- Marine Environmental Chemistry (College of Agricultural and Environmental Sciences; Environmental Toxicology)
- Oceans and the Earth System (College of Letters and Science; Earth and Planetary Sciences)

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/> for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
			OR		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)

| PHYSC 2B 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)		PHYSC 4A	Principles of Physics: (4)	
					Mechanics	
PHYSICS 9B	Classical Physics	(5)		PHYSC 4B	Principles of Physics: (4)	
					Waves, Sound, and	
					Thermodynamics	
PHYSICS 9C	Classical Physics	(5)		PHYSC 4C	Principles of Physics: (4)	
					Electricity and	
					Magnetism	

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) | GEOL 16 Oceanography (3)
| **OR**
| GEOL 16A Oceanography w/Lab (4)

END OF MAJOR

====Materials Science & Engineering B.S.====

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents.

Transfer applicants must also complete all lower-division courses required for their specific engineering major as listed below under courses "Required for Admission" with a cumulative GPA of 3.20 or higher for those courses completed

at the time of application and through the transfer academic update filing period. Before submitting a UC application, students must have already achieved a cumulative GPA of 3.20 or higher in required lower-division major coursework completed. If one course from the group is completed at the time the application is submitted, the grade for that one course must be B+ or better. If two or more courses from the group are completed at the time the application is submitted, the GPA for those courses combined must be a 3.20 or higher.

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

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

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

END OF MAJOR

====Mathematical & Scientific Computation B.S.====
Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Recommended Language Preparation Note:

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

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

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

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22B	Differntl Equations	(3)	MATH 4	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 5	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 COMPARABLE COURSE
Formerly ENG CS 10 |

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

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 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22B	Differntl Equations	(3)	MATH 4	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 5	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) Formerly ENG CS 10		NO COMPARABLE COURSE		
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	OR			OR	
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		

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

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
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END OF MAJOR

====Mathematics A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Special Advising Note for future applicants:*

Beginning fall 2020, the major mathematics will become selective and will require preparatory coursework for admission. Any required courses that are offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall GPA of 2.80 or higher to be competitive candidates for admission to this major (3.20 or higher for TAG applicants).

Strive to achieve your highest possible GPA in order to be most competitive. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the selective major course group. It is recommended that candidates have a cumulative GPA of at least 3.00 for the group of courses below that have been completed at the time of application and through the transfer academic update filing period. Whether planning for the general application or TAG process, courses must be taken for a letter grade, with no grade less than C. (Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC course equivalents).

- Mathematics 21A/B/C/D
- Mathematics 22A or Mathematics 67
- Mathematics 22B

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22B	Differntl Equations	(3)	MATH 4	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 5	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 COMPARABLE COURSE
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 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22B	Differntl Equations	(3)	MATH 4	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 5	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		
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|submitted course(s) for articulation

ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE
	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)	PHYSC 4A	Principles of Physics: (4)
				Mechanics

PLAN 2: MATHEMATICS FOR SECONDARY TEACHING

PHYSICS 7A	General Physics	(4)	PHYSC 2A &	General Physics (4)
			PHYSC 2B	General Physics (4)
	OR		OR	
PHYSICS 9A	Classical Physics	(5)	PHYSC 4A	Principles of Physics: (4)
				Mechanics
	OR		OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to (4)
	Same as: STATIST 13Y			Probability and
				Statistics
			OR	
			PSYCH 2	Statistical Methods for (3)
				Psychology and Social
				Science
	OR		OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

END OF MAJOR

====Mechanical Engineering B.S.====

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

All majors in the College of Engineering are selective and require preparatory coursework for admission. Transfer applicants must earn an overall transfer GPA of 3.10 or higher to be competitive candidates for admission to any engineering major. Strive to achieve your highest possible GPA in order to be most competitive. Courses must be taken for a letter grade, with no grade less than

C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents.

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

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

In addition to completing preparatory courses for the major, students must also meet UC transfer admission requirements by the close of spring term for fall enrollment at UC Davis. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

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

END OF MAJOR

====Medieval and Early Modern Studies A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

MEDV-ST 20A	Medieval Culture	(5)		NO COMPARABLE COURSE
MEDV-ST 20B	Medieval Culture	(5)		NO COMPARABLE COURSE
THREE COURSES FROM THE FOLLOWING:				
ARTHI 1B	Mediev&Renaiss Art	(4)		NO COMPARABLE COURSE
ARTHI 1C	Baroque to Modern Art	(4)		ART 1B Art History: Europe from (3) the Fifteenth to the Twentieth Century
ARTHI 1E	Islamic Art &	(4)		NO COURSE ARTICULATED: College has not

	Architecture		submitted course(s) for articulation
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COMPARABLE COURSE
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)	ENG 46A Survey of British Literature I (3)
GERMAN 48	Myth & Saga	(4)	NO COMPARABLE COURSE
HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 4B	Western Civ	(4)	HIST 4A & History of Western Civilization (3) HIST 4B History of Western Civilization (3)
HUMAN 1	Humanities Forum	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HUMAN 9	Don Quixote	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 21	Phil Classics: Ancient	(4)	NO COMPARABLE COURSE
PHILOS 22	Phil Classics: Modern	(4)	NO COMPARABLE COURSE

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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
OR			OR		
PHYSICS 7A	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYSIC 2A & PHYSIC 2B	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

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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.

MIC BIO 91 Intro Research (1)|NO COURSE ARTICULATED

RECOMMENDED:

MATH 21C Calculus (4)|MATH 3 Vector Calculus (4)

END OF MAJOR

====Middle East/South Asia Studies A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

HISTORY 6 Intro to Middle East (4)|HIST 6C History of the Middle (3)
| East

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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
COMPLIT 53B	Lit of South Asia	(4)	NO COMPARABLE COURSE
COMPLIT 53C	Lit of the Islamic World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE
REL STD 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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 2B	Keyboard Competence	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 2C	Keyboard Competence	(2)	NO COURSE ARTICULATED: College has not

|submitted course(s) for articulation

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

1) MUSIC 24A	Intro Music History	(3)	MUSIC 2A & Music History from Antiquity to 1750	(3)
			MUSIC 2B Music History from 1750 to Present	(3)
1) MUSIC 24B	Intro Music History	(3)	MUSIC 2A & Music History from Antiquity to 1750	(3)
			MUSIC 2B Music History from 1750 to Present	(3)
1) MUSIC 24C	Intro Music History	(3)	MUSIC 2A & Music History from Antiquity to 1750	(3)
			MUSIC 2B Music History from 1750 to Present	(3)

END OF MAJOR

1) If a student takes MUSIC 2A and 2B at San Joaquin Delta College, credit will be given for UC Davis's MUSIC 24A+B+C or 10, not both.

====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

ONE OR TWO COURSES FROM:

N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE
N A STD 33	Intro NA Art	(4)	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)	ANTHR 1 Cultural Anthropology (3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE
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 34 Asian Pacific American History (3)
A A STD 2	Contemp Issues 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
CHICANO 10	Intro to Chic Std	(4)	HIST 31 Mexican-American History (3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
CHICANO 23	Qualitative Research Methods	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 25	Ethnic Writers	(4)	NO COMPARABLE COURSE
CM&RGDE 2	Ethnicity Amer Comm	(4)	SOCIO 33 Social Inequality in the United States (3)
ENV S&P 10	Current Issues in Environment	(3)	N R 2 Environmental Science (3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1			
HISTORY 7A	Latin America to 1700	(4)	NO 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 17A History of the United States (3)
LINGUIS 1	Intro Linguistics	(4)	HUM 4 Introduction to Linguistics (3)
Same as:			

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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	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

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2	Core Biology	(4)
			BIOL 3	General Zoology	(5)
			BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology	(5)
				General Botany	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry	(5)
				Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry	(5)
				Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)

NUTR 10	Discoveries and Concepts	(3)	FCS 6	Nutrition	(3)
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PSYCH 41	Research Methods	(4)	PSYCH 4	Introduction to 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)	ANTHR 1	Cultural Anthropology	(3)
	OR			OR	
PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)

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

NUTRITION IN PUBLIC HEALTH OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)

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

PSYCH 1	General Psychology	(4)	PSYCH 1	Introduction to Psychology	(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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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)	SOCIO 33	Social Inequality in the United States	(3)
INT AG 10	Intro Intl Ag Development	(4)	NO COMPARABLE COURSE		

Natural and Applied Sciences Area:

CM&RGDE 20	Food Systems	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
SCI&SOC 2	Feeding the Planet	(3)	NO COMPARABLE COURSE		

END OF MAJOR

====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 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)

	OR			OR
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE	
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE	

PHYSICS 7A	General Physics	(4)	PHYS 2A & General Physics	(4)
			PHYS 2B General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & General Physics	(4)
			PHYS 2B General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & General Physics	(4)
			PHYS 2B 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 4A Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYS 4B Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 4C Principles of Physics: Electricity and Magnetism	(4)

MATH 16A	Short Calculus	(3)	MATH 13 Survey of Calculus	(4)
			OR	
			MATH 1 Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2 Calculus II	(4)
MATH 16C	Short Calculus	(3)	MATH 2 Calculus II	(4)

	OR			OR
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

	OR			OR
MATH 21A	Calculus	(4)	MATH 1 Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2 Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3 Vector Calculus	(4)

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 1 Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & Core Biology	(4)
			BIOL 2 & General Zoology	(5)
			BIOL 3 General Botany	(4)
	OR			OR
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & General Zoology	(5)
			BIOL 3 General Botany	(4)

STATIST 13	Elementary Statistics	(4)	MATH 12 Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y			
			OR	
			PSYCH 2 Statistical Methods for Psychology and Social Science	(3)

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

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 129C	Organic Chem Lab	(2)	CHEM 12B	Organic Chemistry	(5)

END OF MAJOR

====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) | PHILO 30 Introductory Logic (3)

AND ONE COURSE FROM ANY THREE OF THE FOLLOWING AREAS

a. GENERAL PHILOSOPHY

PHILOS 1 Intro to Philos (4) | PHILO 6 Introduction to Philosophy (3)

b. ANCIENT PHILOSOPHY

PHILOS 21 Phil Classics: Ancient (4) | NO COMPARABLE COURSE

c. EARLY MODERN PHILOSOPHY

PHILOS 22 Phil Classics: Modern (4) | NO COMPARABLE COURSE

d. PHILOSOPHY OF MIND

PHILOS 13G Minds, Brains Comp w/Disc (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

e. ETHICS:

d) PHILOS 14 Eth Soc Prob in Soc (4) | PHILO 40 Ethics (3)

OR

OR

PHILOS 15 Intro to Bioethics (4) | NO COMPARABLE COURSE

OR

OR

PHILOS 24 Intro to Ethics (4) | PHILO 40 Ethics (3)

f. PHILOSOPHY OF SCIENCE

PHILOS 30 Intro Philos of Sci (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

PRE-LAW EMPHASIS

ONE COURSE FROM THE FOLLOWING:

d) PHILOS 14 Eth Soc Prob in Soc (4) | PHILO 40 Ethics (3)

PHILOS 15 Intro to Bioethics (4) | NO COMPARABLE COURSE

PHILOS 16 Phil Foundations of Amer (4) | NO COURSE ARTICULATED: College has not
Democ | submitted course(s) for articulation

ALL OF THE FOLLOWING COURSES:

c) PHILOS 5 Critical Reasoning (4) | PHILO 30 Introductory Logic (3)
PHILOS 12 Intro to Symbol Logic (4) | PHILO 30 Introductory Logic (3)
PHILOS 24 Intro to Ethics (4) | PHILO 40 Ethics (3)

PRE-MED EMPHASIS:

ONE COURSE FROM THE FOLLOWING:

PHILOS 24 Intro to Ethics (4) | PHILO 40 Ethics (3)
PHILOS 30 Intro Philos of Sci (4) | NO COURSE ARTICULATED: College has not
| submitted course(s) for articulation
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) | PHILO 30 Introductory Logic (3)
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

- d) Students who complete PHILO 40 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 14 or 24, not both
c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both

====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)	PHYSIC 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)	PHYSIC 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)	PHYSIC 4C	Principles of Physics: (4) Electricity and Magnetism
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE	
	OR			OR
PHYSICS 9HA	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHYSICS 9HB	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s)for articulation
PHYSICS 9HC	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHYSICS 9HD	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not

PHYSICS 9HE	Honors Physics	(5)		submitted course(s) for articulation	
				NO COURSE ARTICULATED: College has not	
				submitted course(s) for articulation	

MATH 21A	Calculus	(4)		MATH 1	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II (4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus (4)
MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus (4)
MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra (3)
MATH 22B	Differntl Equations	(3)		MATH 4	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:

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PHYSICS 9A	Classical Physics	(5)	PHYSICS 4A	Principles of Physics: (4) Mechanics
PHYSICS 9B	Classical Physics	(5)	PHYSICS 4B	Principles of Physics: (4) Waves, Sound, and Thermodynamics
PHYSICS 9C	Classical Physics	(5)	PHYSICS 4C	Principles of Physics: (4) Electricity and Magnetism
PHYSICS 9D	Modern Physics	(4)	NO COMPARABLE COURSE	
	OR		OR	
PHYSICS 9HA	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHYSICS 9HB	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s)for articulation
PHYSICS 9HC	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHYSICS 9HD	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHYSICS 9HE	Honors Physics	(5)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
MATH 21A	Calculus	(4)	MATH 1	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II (4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus (4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus (4)
MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra (3)
MATH 22B	Differntl Equations	(3)	MATH 4	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 (4) | NO COMPARABLE COURSE
 Astronomy & Astrophphy |

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:

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 &	Core Biology	(4)
				BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 &	General Zoology	(5)
				BIOL 3	General Botany	(4)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)

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

STATIST 13 Elementary Statistics (4) | MATH 12 Introduction to (4)
Same as: STATIST 13Y | Probability and
Statistics
| OR
| PSYCH 2 Statistical Methods for (3)
| Psychology and Social
| Science

RECOMMENDED COURSES:

CHEM 2C Genl Chemistry (5) | CHEM 1B General Chemistry (5)

END OF MAJOR

====Plant Biology B.S.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and biodiversity; genetics and genomics; marine and coastal science (marine ecology & organismal biology); microbiology; neurobiology, physiology, and behavior; and plant biology--are selective and require preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

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

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

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

* Students planning for the major biochemistry and molecular biology should

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

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. See the [UC Transfer Admission webpage](#). In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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

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GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)

CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 3	Vector Calculus	(4)

END OF MAJOR

====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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
PL SCI 2	Bot Physio Cul Plt	(4)	PLANT 10	Principles of Plant Science	(3)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
	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 1B	Principles of Microeconomics	(3)
	OR			OR	
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

====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)		POLSC 1	American Government and (3)
					Institutions

THREE COURSES FROM THE FOLLOWING:

POL SCI 2	Intro Comp Politics	(4)		POLSC 2	Introduction to (3)
					Comparative Politics
POL SCI 3	Internatl Relations	(4)		POLSC 5	International Relations (3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)		POLSC 3	Introduction to (3)
					Political Theory
POL SCI 5	Probs/Am Pol Sys	(4)		NO COMPARABLE COURSE	
POL SCI 7	Law & Politics	(4)		NO COMPARABLE COURSE	

POL SCI 51	Scientific Study of Politics	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
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ONE COURSE FROM THE FOLLOWING:

POL SCI 12Y	Data Visualization	(4)		NO COURSE ARTICULATED: College has not Same as: COMUNCN 12Y, PSYCH 12Y submitted course(s)for articulation	
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SOCIOL 12Y				
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics (4)
Same as: STATIST 13Y				
			<u>OR</u>	
			PSYCH 2	Statistical Methods for Psychology and Social Science (3)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	

END OF MAJOR

====Political Science A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

THREE COURSES FROM THE FOLLOWING:

POL SCI 1	Amer Natl Govt	(4)	POLSC 1	American Government and (3)
				Institutions
POL SCI 2	Intro Comp Politics	(4)	POLSC 2	Introduction to (3)
				Comparative Politics
POL SCI 3	Internatl Relations	(4)	POLSC 5	International Relations (3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to (3)
				Political Theory

ONE COURSE FROM THE FOLLOWING:

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

POL SCI 1	Amer Natl Govt	(4)	POLSC 1	American Government and (3)
				Institutions
POL SCI 2	Intro Comp Politics	(4)	POLSC 2	Introduction to (3)
				Comparative Politics
POL SCI 3	Internatl Relations	(4)	POLSC 5	International Relations (3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to (3)
				Political Theory
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE	
POL SCI 7	Law & Politics	(4)	NO COMPARABLE COURSE	
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	
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POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	Same as: COMUNCN 12Y, PSYCH 12Y			
	SOCIOL 12Y			

OR

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to (4)
	Same as: STATIST 13Y			Probability and Statistics

OR

PSYCH 2	Statistical Methods for (3)
	Psychology and Social Science

OR

STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	
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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](http://ucdavis.edu/transfer-admission). 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)		PSYCH 1	Introduction to Psychology	(3)
PSYCH 41	Research Methods	(4)		PSYCH 4	Introduction to Research Methods in Psychology	(3)

STATIST 13	Elementary Statistics	(4)		MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y						
				OR		
				PSYCH 2	Statistical Methods for Psychology and Social Science	(3)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 1	Core Biology	(4)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)		BIOL 10	Survey of Biology	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)		ANTHR 2	Biological Anthropology	(3)
	OR				OR	
MOL&CB 10	Intro Human Heredity	(4)		NO COMPARABLE COURSE		
	OR				OR	
NE PH B 10	Elem Human Physio	(3)		BIOL 32	Human 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)	PSYCH 1	Introduction to Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYCH 4	Introduction to Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y		OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 1	Calculus I	(5)
	OR		MATH 2	Calculus II	(4)
MATH 17A	Calculus for BioSci	(4)		OR	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
PHYSICS 10	Topics,Nonscientists	(4)	PHYS 10	Introduction to Physics	(4)
	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 2A &	General Physics	(4)
			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)

CHEM 8A	Organic Chem-Brief	(2)		NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)		NO COMPARABLE COURSE		
	OR				OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
	OR				OR	
CHEM 128A	Organic Chemistry	(3)		CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)		CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)

END OF MAJOR

====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)	PSYCH 1	Introduction to Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYCH 4	Introduction to Research Methods in Psychology	(3)
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
Same as: STATIST 13Y					
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social	(3)

Science

MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
Formerly ENG CS 30			<u>OR</u>		
			CSP 31A	C++ Programming I	(3)
<u>OR</u>			<u>OR</u>		
ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE		
Formerly ENG CS 10					

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

CHEM 10	Concept of Chem	(4)	CHEM 10	Exploring Everyday Chemistry	(3)
<u>OR</u>			<u>OR</u>		
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
<u>OR</u>			CHEM 1B	General Chemistry	(5)
<u>OR</u>			<u>OR</u>		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

PHYSICS 10	Topics,Nonscientists	(4)	PHYS 10	Introduction to Physics	(4)
<u>OR</u>			<u>OR</u>		
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
<u>OR</u>			<u>OR</u>		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
<u>OR</u>			PHYS 2B	General Physics	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics	(4)
<u>OR</u>			PHYS 2B	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 1	Core Biology	(4)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 10	Survey of Biology	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTHR 2	Biological Anthropology	(3)
<u>OR</u>			<u>OR</u>		
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		
<u>OR</u>			<u>OR</u>		
NE PH B 10	Elem Human Physio	(3)	BIOL 32	Human 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)	RELGN 14A	Great Religions of the Eastern World	(3)
			<u>OR</u>		
			RELGN 14B	Great Religions of the Western World	(3)
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)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1E	Fundamentalism	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1F	Religion Today	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1G	Myth Ritual Symbol	(4)	NO COMPARABLE COURSE
REL STD 1H	Sex, Marriage, Divorce	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1J	Music, Voice, Word	(4)	submitted course(s) for articulation 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)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 10A	Contemporary Ethical Issues	(2)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 11	Ethical Eating	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 12	Emergence Abrahamic Religions	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE
REL STD 30	South Asian Religions	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE
REL STD 42	Religion and Sci Fiction	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 45	Christianity	(4)	submitted course(s) for articulation 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)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 67	Modern Hinduism	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 68	Hinduism	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 69	Intro Hindu Mythology	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 70	Religion and Language	(4)	submitted course(s) for articulation 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)	submitted course(s) for articulation 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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
RUSSIAN 2	Elementary Russian	(5)	NO COMPARABLE COURSE
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
HUMAN 3	Medicine & Humanities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 30	Intro Philos of Sci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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

Sociology

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)	SOCIO 1B Problems of a Changing (3) Society
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 5	Global Soc Change	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE
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)	ANTHR 1 Cultural Anthropology (3)
	OR		OR
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 4B	Western Civ	(4)	HIST 4A & History of Western (3) Civilization
			HIST 4B History of Western (3) Civilization
HISTORY 4C	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 6	Intro to Middle East	(4)	HIST 6C History of the Middle (3) East
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)	NO COMPARABLE COURSE
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE
HISTORY 10C	World History III	(4)	HIST 2B World History since (3) 1600
HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED
HISTORY 17A	U.S. History	(4)	HIST 17A History of the United (3) States
HISTORY 17B	U.S. History	(4)	HIST 17B History of the United (3) States

ONE COURSE FROM THE FOLLOWING:

c) PHILOS 5	Critical Reasoning	(4)	PHILO 30 Introductory Logic (3)
d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHILO 40 Ethics (3)
PHILOS 24	Intro to Ethics	(4)	PHILO 40 Ethics (3)

END OF MAJOR

- c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both
- d) Students who complete PHILO 40 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 14 or 24, not both

**====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)		SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 5	Global Soc Change	(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	
<hr/>					
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Principles of (3) Macroeconomics
<hr/>					
ANTHRO 2	Cultural Anthropology	(5)		ANTHR 1	Cultural Anthropology (3)
	OR			OR	
ANTHRO 20	Comparative Cultures	(4)		NO COMPARABLE COURSE	
<hr/>					
HISTORY 10C	World History III	(4)		HIST 2B	World History since (3) 1600
	OR			OR	
POL SCI 2	Intro Comp Politics	(4)		POLSC 2	Introduction to (3) Comparative Politics

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)	SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)
	OR			OR	
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	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)	ANTHR 1	Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE		
POL SCI 1	Amer Natl Govt	(4)	POLSC 1	American Government and Institutions	(3)
POL SCI 3	Internatl Relations	(4)	POLSC 5	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to Political Theory	(3)
POL SCI 7	Law & Politics	(4)	NO COMPARABLE COURSE		

4 QUARTER UNITS FROM THE FOLLOWING:

HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE		
HISTORY 4B	Western Civ	(4)	HIST 4A &	History of Western Civilization	(3)
			HIST 4B	History of Western Civilization	(3)
HISTORY 4C	Western Civ	(4)	NO COMPARABLE COURSE		
HISTORY 6	Intro to Middle East	(4)	HIST 6C	History of the Middle East	(3)
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)	NO COMPARABLE COURSE		
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE		
HISTORY 10C	World History III	(4)	HIST 2B	World History since 1600	(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 17A	History of the United States	(3)
HISTORY 17B	U.S. History	(4)	HIST 17B	History of the United States	(3)

c) PHILOS 5	Critical Reasoning	(4)	PHILO 30	Introductory Logic	(3)
	OR			OR	
d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHILO 40	Ethics	(3)
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHILO 40	Ethics	(3)

END OF MAJOR

- c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both
d) Students who complete PHILO 40 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 14 or 24, not both

====Sociology A.B. (Social Services)====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more

information.

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

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

SOCIOL 1	Intro Sociology	(5)		SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 2	Self and Society	(4)		NO COMPARABLE COURSE		
	OR			OR		
SOCIOL 3	Social Problems	(4)		SOCIO 1B	Problems of a Changing Society	(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)		PSYCH 1	Introduction to Psychology	(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 34	Asian Pacific American History	(3)
A A STD 2	Contemp Issues of Asian Americans	(4)		NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)		HIST 31	Mexican-American History	(3)
CHICANO 50	Chicano Culture	(4)		NO COMPARABLE COURSE		
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)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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)	SOCIO 1A	Introduction to Sociology	(3)
	AND			AND	
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE		
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
SOCIOL 5	Global Soc Change	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	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 1B	Principles of Microeconomics	(3)
	AND			AND	
ECON 1B	Princ of Macroecon	(4)	ECON 1A	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 1	Elementary Spanish I	(5)
SPANISH 2	Elementary Spanish	(5)		SPAN 1 &	Elementary Spanish I	(5)
				SPAN 2	Elementary Spanish II	(5)
SPANISH 3	Elementary Spanish	(5)		SPAN 2	Elementary Spanish II	(5)
SPANISH 21	Intm Spanish	(5)		SPAN 3	Intermediate Spanish I	(5)
SPANISH 22	Intm Spanish	(5)		SPAN 4	Intermediate Spanish II	(5)
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		
SPANISH 33	Int Span Nat Spk III	(5)		NO COMPARABLE COURSE		

It is recommended that transfer students who have successfully completed a two-year sequence at the junior college level comparable to UC Davis Spanish 1

through 22 continue their study at UC Davis by taking Spanish 23. When available at the community college students are encouraged to complete courses comparable to Spanish 23 and 24. Students should consult a Spanish Department advisor at UC Davis upon enrollment.

LINGUIS 1	Intro Linguistics	(4)		HUM 4	Introduction to	(3)
					Linguistics	
					Same as:	

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 13	Survey of Calculus	(4)
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			<u>OR</u>			
				MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)		MATH 2	Calculus II	(4)
	<u>OR</u>			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)

MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra	(3)

ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10			NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>		
ENG CS 36A	Programming Formerly ENG CS 30	(4)		CSP 26A	JAVA Programming	(3)
	<u>OR</u>			<u>OR</u>		
				CSP 31A	C++ Programming I	(3)
	<u>OR</u>			<u>OR</u>		
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)		CSP 31B	C++ Programming II	(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.

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

END OF MAJOR

====Statistics B.S. (Applied Statistics Option)====

Special Advising Note:

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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.

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 13	Survey of Calculus	(4)
			<u>OR</u>		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
	<u>OR</u>			<u>OR</u>	
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)

NOTE: THE MATH 21A,B,C SERIES IS RECOMMENDED IF AVAILABLE

MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)
ENG CS 32A	Intro to Programming	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	<u>OR</u>			<u>OR</u>	
ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
	Formerly ENG CS 30		<u>OR</u>		
	<u>OR</u>		CSP 31A	C++ Programming I	(3)
				<u>OR</u>	
ENG CS 36B	Object-Oriented Program	(4)	CSP 31B	C++ Programming II	(3)
	Formerly ENG CS 40				

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

AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			<u>OR</u>		

				PSYCH 2	Statistical Methods for (3)
					Psychology and Social
					Science
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:

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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.

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

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MATH 21A	Calculus	(4)		MATH 1	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)		MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)		MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)		MATH 5	Linear Algebra	(3)
<hr/>						
ENG CS 36C	Data Structures	(4)		CSP 26B	Data Structures with	(3)
	Formerly ENG CS 60				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)		MATH 12	Introduction to (4)
Same as: STATIST 13Y					Probability and
					Statistics
				<u>OR</u>	
				PSYCH 2	Statistical Methods for (3)
					Psychology and Social
					Science
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 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)

MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)
	OR			OR	
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

MATH 25	Advanced Calculus	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE		
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	CSP 26A	JAVA Programming	(3)
	Formerly ENG CS 30			OR	
	OR		CSP 31A	C++ Programming I	(3)
				OR	
ENG CS 36B	Object-Oriented Program	(4)	CSP 31B	C++ Programming II	(3)
	Formerly ENG CS 40				

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

AND ONE COURSE FROM

STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to	(4)
	Same as: STATIST 13Y			Probability and	
				Statistics	
			OR		
			PSYCH 2	Statistical Methods for	(3)
				Psychology and Social	
				Science	
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:

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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 1	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)

ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COMPARABLE COURSE		
	OR		OR		
ENG CS 36A	Programming (4) Formerly ENG CS 30		CSP 26A	JAVA Programming	(3)
	OR		OR		
			CSP 31A	C++ Programming I	(3)
	OR		OR		
ENG CS 36B	Object-Oriented Program (4) Formerly ENG CS 40		CSP 31B	C++ Programming II	(3)

STATIST 12	Discrete Probabil (4) OR		NO COMPARABLE COURSE		
	OR		OR		
STATIST 13	Elementary Statistics (4) Same as: STATIST 13Y		MATH 12	Introduction to Probability and Statistics	(4)
	OR		OR		
			PSYCH 2	Statistical Methods for Psychology and Social Science	(3)
	OR		OR		
STATIST 32	Gateway to Data Science (4)		NO COMPARABLE COURSE		

END OF MAJOR

====Sustainable Agriculture and Food Systems B.S.====

Special Advising Note:

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Transfer students must also meet UC transfer admission requirements. See the [UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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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.

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COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(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		
PL SCI 49	Org Crop Prod Prac	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

Select one of the following courses:

AN SCI 41L	Domest An Prod Lab	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49A	Animal Prac/Aquaculture	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49B	Animal Prac/Beef	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49C	Animal Prac/Dairy	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49D	Animal Prac/Goats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49E	Animal Prac/Horses	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49F	Animal Prac/Lab Animals	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49G	Animal Prac/Meats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49H	Animal Prac/Poultry	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49I	Animal Prac/Sheep	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49J	Animal Prac/Swine	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ABIOSYT 49	Fld Equip Oper	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR		OR		
ABIOSYT 52	Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PLUS CHOOSE ONE OF THE FOLLOWING THREE TRACKS:

TRACK I: AGRICULTURE AND ECOLOGY

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 &	Core Biology	(4)
			BIOL 2 &	General Zoology	(5)
			BIOL 3	General Botany	(4)

PL SCI 2	Bot Physio Cul Plt	(4)	PLANT 10	Principles of Plant Science	(3)

AN SCI 1	Domest Ani & People	(4)	AH SC 10	Principles of Animal Science	(3)
	OR			OR	
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE		

FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		

ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)

CM&RGDE 1	The Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHILO 40	Ethics	(3)
	OR			OR	
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHILO 40	Ethics	(3)

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
	OR			OR	
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to Political Theory	(3)
	OR			OR	
SOCIO 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
	OR			OR	
SOCIO 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)

TRACK II: FOOD AND SOCIETY					
c) PHILOS 5	Critical Reasoning	(4)	PHILO 30	Introductory Logic	(3)
	OR			OR	
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		

d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHILO 40	Ethics	(3)
	OR			OR	
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHILO 40	Ethics	(3)

SOCIO 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics	(4)
	Same as: STATIST 13Y				
			OR		
			PSYCH 2	Statistical Methods for Psychology and Social	(3)

Science

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
BIOLSCI 10	Everyday Biology	(4)	BIOL 10	Survey of Biology	(4)
PL SCI 2	Bot Physio Cul Plt	(4)	PLANT 10	Principles of Plant Science	(3)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & 2 & 3	Core Biology General Zoology General Botany	(4) (5) (4)
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ENV S&P 30	Global Ecosystem Same as: ENV SC&M 30	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE		
W&F BIO 51	Intro to Conservation Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
SOILSCI 10	Soils in Our Environment	(3)	PLANT 14	Soil Science	(4)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to Political Theory	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)
CM&RGDE 1	The Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CM&RGDE 2	Ethnicity Amer Comm	(4)	SOCIO 33	Social Inequality in the United States	(3)

TRACK III: ECONOMICS AND POLICY

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
MATH 16B	Short Calculus	(3)	MATH 1 & 2	Calculus I Calculus II	(5) (4)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics Same as: STATIST 13Y	(4)	MATH 12	Introduction to Probability and Statistics	(4)
			PSYCH 2	Statistical Methods for Psychology and Social	(3)

Science

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
BIOLSCI 10	Everyday Biology	(4)	BIOL 10	Survey of Biology	(4)
PL SCI 2	Bot Physio Cul Plt	(4)	PLANT 10	Principles of Plant Science	(3)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & 2 & 3	Core Biology General Zoology General Botany	(4) (5) (4)
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ENV S&P 30	Global Ecosystem Same as: ENV SC&M 30	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE		
W&F BIO 51	Intro to Conservation Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
FD S&T 1	Food Sci Principles	(3)	NO COMPARABLE COURSE		
SOILSCI 10	Soils in Our Environment	(3)	PLANT 14	Soil Science	(4)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Principles of Macroeconomics	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLSC 3	Introduction to Political Theory	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1	Cultural Anthropology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCIO 1A	Introduction to Sociology	(3)
SOCIOL 3	Social Problems	(4)	SOCIO 1B	Problems of a Changing Society	(3)
CM&RGDE 1	The Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHILO 40	Ethics	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 24	Intro to Ethics	(4)	PHILO 40	Ethics	(3)

END OF MAJOR

- d) Students who complete PHILO 40 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 14 or 24, not both
- c) Students who complete PHILO 30 at San Joaquin Delta College will receive credit at UC Davis for PHILOS 5 or 12, not both

====Sustainable Environmental Design B.S.====

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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.

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<hr/>					
ENGLISH 3	Intro to Lit	(4)	ENG 1B	Written Communications II: A Critical Introduction to Literature	(3)
	OR			OR	
UWRITING 1	Expository Writing	(4)	ENG 1A	Reading and Composition	(3)
	OR			OR	
UWRITING 48	Style in the Essay	(4)	NO COMPARABLE COURSE		
	Formerly UWRITING 18				
	OR			OR	
UWRITING 49	Writing Research Papers	(4)	ENG 1D	Advanced Composition and Critical Thinking	(3)
	Formerly UWRITING 19				
<hr/>					
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)

ALL OF THE FOLLOWING COURSES:

LND ARC 1	Intro Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 2	Place, Culture, Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 3	Sustainable Development	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 21	Landscape Rep I	(4)	NO COMPARABLE COURSE		
	Formerly Design Visualization				
LND ARC 30	History Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 50	Site Ecology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 70	Intro to Spacemaking	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

AND ONE COURSE IN A PHYSICAL SCIENCE

END OF MAJOR

====Textiles and Clothing B.S. (Marketing/Economics)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

Special Advising Note:

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PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE	
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)		CS 11	Fundamentals of Computer Science (3)
	OR			OR	
ENG CS 36A	Programming	(4)		CSP 26A	JAVA Programming (3)
Formerly ENG CS 30				OR	
				CSP 31A	C++ Programming I (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 1B	Principles of Microeconomics (3)
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Principles of Macroeconomics (3)

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)		ANTHR 1	Cultural Anthropology (3)
	OR			OR	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)		NO COMPARABLE COURSE	
	OR			OR	
ARTHI 1A	Ancient Mediterranean Art	(4)		ART 1A	Art History: Europe from Prehistory to 1400 (3)
	OR			OR	
ARTHI 1B	Mediev&Renaiss Art	(4)		NO COMPARABLE COURSE	
	OR			OR	
ARTHI 1C	Baroque to Modern Art	(4)		ART 1B	Art History: Europe from the Fifteenth to the Twentieth Century (3)
	OR			OR	
ARTHI 1D	Arts of Asia	(4)		NO COMPARABLE COURSE	

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE	
	OR			OR	
PHYSICS 10	Topics, Nonscientists	(4)		PHYS 10	Introduction to Physics (4)
PSYCH 1	General Psychology	(4)		PSYCH 1	Introduction to Psychology (3)

SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	MATH 12	Introduction to Probability and Statistics (4)
	Same as: STATIST 13Y			
			<u>OR</u>	
			PSYCH 2	Statistical Methods for Psychology and Social Science (3)
TEX&CL 6	Intro Textiles	(4)	FASHION 6	Textiles (3)
			Same as:	
TEX&CL 7	Style & Cult Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE	
MGMT 11A	Elem Accounting	(4)	BUS 1A	Principles of Accounting (5)
MGMT 11B	Elem Accounting	(4)	BUS 1B	Principles of Accounting (5)
CHEM 10	Concept of Chem	(4)	CHEM 10	Exploring Everyday Chemistry (3)
			<u>OR</u>	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry (5)
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus (4)
			<u>OR</u>	
			MATH 1	Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II (4)

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	BUS 18A	Business Law (3)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE	
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II (4)

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)	CS 11 Fundamentals of Computer Science (3)
	OR		OR
ENG CS 36A	Programming	(4)	CSP 26A JAVA Programming (3)
Formerly ENG CS 30			OR
			CSP 31A C++ Programming I (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 1B Principles of Microeconomics (3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A Principles of Macroeconomics (3)

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 1 Cultural Anthropology (3)
	OR		OR
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE
	OR		OR
ARTHI 1A	Ancient Mediterranean Art	(4)	ART 1A Art History: Europe from Prehistory to 1400 (3)
	OR		OR
ARTHI 1B	Mediev&Renaiss Art	(4)	NO COMPARABLE COURSE
	OR		OR
ARTHI 1C	Baroque to Modern Art	(4)	ART 1B Art History: Europe from the Fifteenth to the Twentieth Century (3)
	OR		OR
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
	OR		OR
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 10 Introduction to Physics (4)
PSYCH 1	General Psychology	(4)	PSYCH 1 Introduction to Psychology (3)
SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	MATH 12 Introduction to Probability and Statistics (4)
Same as: STATIST 13Y			OR
			PSYCH 2 Statistical Methods for Psychology and Social Science (3)

TEX&CL 6	Intro Textiles	(4)	FASHION 6	Textiles	(3)
				Same as:	
TEX&CL 7	Style & Cult Std	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE		

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)

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

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
				<u>OR</u>	
			MATH 1	Calculus I	(5)

RESTRICTED ELECTIVES (16 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	BUS 18A	Business Law	(3)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry	(5)
			CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry	(5)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE		
MGMT 11A	Elem Accounting	(4)	BUS 1A	Principles of Accounting	(5)
MGMT 11B	Elem Accounting	(4)	BUS 1B	Principles of Accounting	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
MATH 16C	Short Calculus	(3)	MATH 2	Calculus II	(4)
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE		

Foreign language units may be used to satisfy any or all of the required 16 units.

END OF MAJOR

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

====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)	DRAMA 31	Introduction to Acting (3)
DRAMART 40A	Beg Modern Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
DRAMART 40B	Int Modern Dance	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
DRAMART 42A	Beg Ballet	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
DRAMART 42B	Inter Ballet	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

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 1	Core Biology	(4)
	OR				OR	
PL SCI 2	Bot Physio Cul Plt	(4)		PLANT 10	Principles of Plant Science	(3)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry	(5)
				CHEM 1B	General Chemistry	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry	(5)

CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE

OR EQUIVALENT AND advisor APPROVAL

MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
	AND		AND		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR		OR		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics	(4)
			PHYS 2B	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 COURSE ARTICULATED: College has not submitted course(s) for articulation
VIT-ENO 3	Intro Winemaking	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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)	ENG 1A	Reading and Composition	(3)
	AND			AND	
COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COM ST 3	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 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 13	Survey of Calculus	(4)
			OR		
			MATH 1	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 2	Calculus II	(4)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

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

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

RECOMMENDED COURSES FOR THE WILDLIFE HEALTH AREA OF SPECIALIZATION:

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	Organic Chemistry	(5)
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics General Physics	(4) (4)

END OF MAJOR

====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 1	Calculus I	(5)
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MATH 21B	Calculus	(4)	MATH 2	Calculus II	(4)
MATH 21C	Calculus	(4)	MATH 3	Vector Calculus	(4)
MATH 21D	Vector Analysis	(4)	MATH 3	Vector Calculus	(4)
MATH 22A	Linear Algebra	(3)	MATH 5	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 4	Differential Equations	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEM 8A	Organic Chem-Brief	(2)	NO COMPARABLE COURSE		
CHEM 8B	Organic Chem-Brief	(4)	NO COMPARABLE COURSE		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry Organic Chemistry	(5) (5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Principles of Physics: Mechanics	(4)
PHYSICS 9B	Classical Physics	(5)	PHYS 4B	Principles of Physics: Waves, Sound, and Thermodynamics	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 4C	Principles of Physics: 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 2	Engineering Graphics	(3)
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		
ENGIN 17	Circuits I	(4)	ENGR 6	Engineering Circuit Analysis	(4)
ENGIN 35	Statics	(4)	ENGR 8	Statics	(3)
ENGIN 45	Prop of Mats	(4)	ENGR 4	Engineering Materials	(4)
ENG CS 20	C Sci/Discrete Math	(4)	CS 55	Discrete Structures for Computer Science	(3)

ENG CS 36A	Programming Formerly ENG CS 30	(4)	CSP 26A <u>OR</u> CSP 31A	JAVA Programming C++ Programming I	(3) (3)
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CSP 31B	C++ Programming II	(3)
ENG CS 50	Machine Dependent Prog	(4)	CSP 25	Assembly Language Programming	(3)
ENG CS 36C	Data Structures Formerly ENG CS 60	(4)	CSP 26B	Data Structures with Java	(3)
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)	ENG 1A	Reading and Composition	(3)
ENGLISH 3	Intro to Lit	(4)	ENG 1B	Written Communications II: A Critical Introduction to Literature	(3)
COMUNCN 1	Intro Public Spkg	(4)	COM ST 1A	Public Speaking	(3)
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COM ST 3	Interpersonal Communication	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 1	Core Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 1 & BIOL 2 & BIOL 3	Core Biology General Zoology General Botany	(4) (5) (4)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 2 & BIOL 3	General Zoology General Botany	(5) (4)
e) GEOLOGY 50 t)	Physical Geology	(3)	GEOL 1A	Physical Geology w/Lab	(4)
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

e) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology

major at UC Davis.

- t) If a student takes GEOL 1A at San Joaquin Delta College, credit will be given for UC Davis's GEOLOGY 1 or 50+50L, not both.