

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 2	Introduction to Anthropology: Cultural	(3)
ECON 1A	Princ of Microecon	(4)		ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Introduction to Macroeconomics	(3)
SOCIOL 1	Intro Sociology	(5)		SOC 1	Introduction to Sociology: Understanding Society	(3)
				<u>OR</u>		
				SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
POL SCI 1	Amer Natl Govt	(4)		PS 1	Introduction to Government	(3)
POL SCI 2	Intro Comp Politics	(4)		PS 2	Comparative Government	(3)
PSYCH 1	General Psychology	(4)		PSYCH 1	General Psychology	(3)
				<u>OR</u>		
				PSYCH 1H	Honors General	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)	HIST 21A	Chicano History to 1865	(3)
			<u>OR</u>		
			HIST 21AH	Honors Chicano History to 1865	(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)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
WOM STD 50	Intro Gender Studies	(4)	WS 1	Introduction to Women's Studies	(3)

TWO COURSES FROM THE FOLLOWING:

HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED		
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED		
HISTORY 17A	U.S. History	(4)	HIST 17A	United States History to 1865	(3)
HISTORY 17B	U.S. History	(4)	HIST 17B	United States History since 1865	(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 COMPARABLE COURSE		
DRAMART 41B	Inter Jazz Dance	(2)	NO COMPARABLE COURSE		
DRAMART 44A	Beg Hip Hop Dance	(2-4)	NO COMPARABLE COURSE		
DRAMART 44B	Inter Hip Hop Dance	(2-4)	NO COMPARABLE COURSE		
MUSIC 28	Introduction to African American Music	(4)	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	United States History	(3)
					to 1865	

	OR		OR
POL SCI 1	Amer Natl Govt	(4)	PS 1 Introduction to Government (3)

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

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE
AN SCI 2	Intro Animal Sci	(4)	NO COMPARABLE COURSE
AN SCI 21	Livestock&Dairy Jdg	(2)	NO COMPARABLE COURSE
AN SCI 41	Domestic Ani Prod	(2)	NO COMPARABLE COURSE

ABIOSYT 16	Metal Prop & Fabr	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE
ABIOSYT 52	Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

AGRESEC 15	Pop,Envr,World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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AND

ECON 1A	Princ of Microecon	(4)	ECON 1B Introduction to Microeconomics (3)
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AND

OR

ECON 1B	Princ of Macroecon	(4)	ECON 1A Introduction to Macroeconomics (3)
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OR

ENVHORT 1	Intro Envhort/Urb For	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENVHORT 6	Intro Environ Plants	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PL SCI 5	Plants Gard, Orch & Land	(2)	NO COMPARABLE COURSE

FORMERLY PLANT BIO 1

ENV S&P 10	Current Issues in Environment	(3)	NO COMPARABLE COURSE
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)	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)	HORT 71 Organic Food Production (4) 1
VIT-ENO 2	Intro to Viticult	(2)	NO COMPARABLE COURSE
VIT-ENO 3	Intro Winemaking	(3)	NO COMPARABLE COURSE

ALL OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B Ecology, Evolution, and Plant Biology (5)

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

j) GEOLOGY 1	The Earth	(4)	GEOL 10 Physical Geology (4)
GEOLOGY 20	California Geology	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOILSCI 10	Soils in Our Environment	(3)	HORT 2 Soil Science & Mgmt (4)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

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

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted for UC Davis's GEOLOGY 1 or 50+50L, not both.

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

Special Advising Note:

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

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additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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.

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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
AMR STD 1B	Relig in Am Lives	(4)		NO COMPARABLE COURSE
AMR STD 1C	American Lives	(4)		NO COMPARABLE COURSE
AMR STD 1E	Nat&Cult Amr	(4)		NO COMPARABLE COURSE
AMR STD 5	Tech in Amr Lives	(4)		NO COMPARABLE COURSE
AMR STD 21	Objects & Everyday Life	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 25	U.S. as Business Culture	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 30	Amr Images Pop Cult	(4)		NO COMPARABLE COURSE
AMR STD 55	Food in Amer Culture Same as: FD S&T 55	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 59	Music and American Culture	(4)		MUS 13A Survey of American Popular Music (3)

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)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 10	Intro to Chic Std	(4)		HIST 21A Chicano History to 1865 (3)
				OR
				HIST 21AH Honors Chicano History to 1865 (3)

N A STD 1 Intro NA Studies (4) | NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
SOCIOL 2	Self and Society	(4)		NO COMPARABLE COURSE	
WOM STD 50	Intro Gender Studies	(4)	WS 1	Introduction to Women's Studies	(3)

ONE COURSE FROM THE FOLLOWING:

HISTORY 17A	U.S. History	(4)	HIST 17A	United States History to 1865	(3)
HISTORY 17B	U.S. History	(4)	HIST 17B	United States History since 1865	(3)
HISTORY 72A	Am Women & Gender	(4)	HIST 14	Women in America	(3)
HISTORY 72B	Am Women & Gender	(4)		NO COMPARABLE COURSE	

ONE COURSE FROM THE FOLLOWING:

ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
d) ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 46A	Major British Writers I	(3)
d) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGL 46A	Major British Writers I	(3)
e)			<u>OR</u>		
			ENGL 46B	Major British Writers II	(3)
			<u>OR</u>		
e) ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGL 30A	American Literature	(3)
			ENGL 46B	Major British Writers II	(3)
			<u>OR</u>		
FILM ST 1	Intro to Film Studies	(4)	ENGL 30B	American Literature	(3)
			ENGL 49A	The Language of Film: Film History	(3)

Formerly Humanities 10

END OF MAJOR

- d) If a student takes ENGL 46A at Cabrillo College, credit will be given for UC Davis's ENGLISH 10A or ENGLISH 10B, not both.
e) If a student takes ENGL 46B at Cabrillo College, credit will be given for UC Davis's ENGLISH 10B or ENGLISH 10C, but not both.

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

Special Advising Note:

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3) (2) (3) (2)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
			MATH 5B	Analytic Geometry and Calculus II	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and	(5)

| Calculus III

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I	(4)
				General Physics II	(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	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(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		

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:

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Transfer Admission Guarantee (TAG) Note:

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

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

Education(GE) Note:

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

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

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

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

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

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

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

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

AN SCI 1	Domest Ani & People	(4)		NO COMPARABLE COURSE
AN SCI 2	Intro Animal Sci	(4)		NO COMPARABLE COURSE

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIO 9A Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology	(5)		BIO 9B Ecology, Evolution, and (5)

BIOLSCI 2C	& Evolution Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Plant Biology Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR		OR		
B) ENG CS 15	Intro to Computers	(4)	CS 1 &	Introduction to Computers and Computer Technology	(3)
			CS 1L	Technology Tools	(2)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
MGMT 11A	Elem Accounting	(4)	ACCT 1A	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 1B	Managerial Accounting	(4)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS SPECIALIZATION

AN SCI 18	Intro Aquaculture	(4)	NO COMPARABLE COURSE		
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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 Husb (3) | NO COMPARABLE COURSE

LIVESTOCK SPECIALIZATION

AN SCI 41 Domestic Ani Prod (2) | NO COMPARABLE COURSE
AN SCI 41L Domest An Prod Lab (2) | NO 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 18 Business Law (4)

END OF MAJOR

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

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

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

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

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

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

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AN SCI 1	Domest Ani & People	(4)		NO COMPARABLE COURSE
AN SCI 2	Intro Animal Sci	(4)		NO COMPARABLE COURSE
AN SCI 41	Domestic Ani Prod	(2)		NO COMPARABLE COURSE
AN SCI 41L	Domest An Prod Lab	(2)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)

BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I General Chemistry II	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3) (2) (3) (2)
MATH 16A	Short Calculus	(3)	MATH 18 OR MATH 5A	Business Calculus Analytic Geometry and Calculus I	(4) (5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS

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

AVIAN SCIENCES

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

COMPANION AND CAPTIVE ANIMALS

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

EQUINE SCIENCE

AN SCI 15 Intro Horse 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:

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

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College Foreign Language Requirement Note:

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

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

AP and IB examination credit policies are detailed in the UC Davis 2018-19

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

EVOLUTIONARY EMPHASIS:

ANTHRO 1	Human Evol Biol	(4)	ANTHR 1	Introduction to Anthropology: Biological	(3)
			<u>OR</u>		
			ANTHR 1H	Honors Introduction to Anthropology: Biological	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTHR 3	Introduction to Anthropology: Archaeology	(3)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 15	Human Life Cycle	(5)	NO COMPARABLE COURSE		
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	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

SOCIOCULTURAL EMPHASIS:

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

ANTHRO 1	Human Evol Biol	(4)	ANTHR 1	Introduction to Anthropology: Biological	(3)
			<u>OR</u>		
			ANTHR 1H	Honors Introduction to Anthropology: Biological	(3)
ANTHRO 3	Intr to Archaeology	(4)	ANTHR 3	Introduction to Anthropology: Archaeology	(3)
ANTHRO 4	Anthro Linguistics	(4)	NO COMPARABLE COURSE		

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.

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ANTHRO 1	Human Evol Biol	(4)		ANTHR 1	Introduction to	(3)
					Anthropology:	
					Biological	

			<u>OR</u>		
				ANTHR 1H	Honors Introduction to Anthropology: Biological (3)
ANTHRO 2	Cultural Anthropology	(5)		ANTHR 2	Introduction to Anthropology: Cultural (3)
ANTHRO 3	Intr to Archaeology	(4)		ANTHR 3	Introduction to Anthropology: Archaeology (3)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology (5)
				BIO 9B	Ecology, Evolution, and Plant Biology (5)

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

CHEM 8A	Organic Chem-Brief	(2)		CHEM 12A &	Organic Chemistry I (3)
				CHEM 12AL	Organic Chemistry Laboratory I (2)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 12B &	Organic Chemistry II (3)
				CHEM 12BL	Organic Chemistry Laboratory II (2)
	<u>OR</u>				<u>OR</u>
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry I (3)
				CHEM 12AL	Organic Chemistry Laboratory I (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry I (3)
				CHEM 12AL &	Organic Chemistry Laboratory I (2)
				CHEM 12B &	Organic Chemistry II (3)
				CHEM 12BL	Organic Chemistry Laboratory II (2)

MATH 16A	Short Calculus	(3)		MATH 18	Business Calculus (4)
				<u>OR</u>	
				MATH 5A	Analytic Geometry and Calculus I (5)
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and Calculus I (5)
MATH 16C	Short Calculus	(3)		MATH 5B	Analytic Geometry and Calculus II (5)
	<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 5A	Analytic Geometry and Calculus I (5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II (5)
MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III (5)

ONE COURSE FROM THE FOLLOWING:

ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	MATH 12 Elementary Statistics (5)
Same as: STATIST 13Y			<u>OR</u>
			MATH 12H Honors Elementary Statistics (5)
			<u>OR</u>
			PSYCH 2A Statistics for Behavioral Sciences (3)
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

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

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.

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30	Computer Applications in Engineering	(4)

or equivalent basic knowledge of MATLAB.

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
AND			AND		
MATH 108	Intro Abstract Math	(4)	This course must be taken at UC Davis		

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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) Formerly ENG CS 10		NO COMPARABLE COURSE		
ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
OR			OR		
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
OR			CHEM 1B	General Chemistry II	(5)
OR			OR		
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists	(5)

and Engineers III

OR

OR

STATIST 32 Gateway to Data Science (4)

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

STATIST 100 Applied Stats for Bio Sci (4)

This course must be taken at UC Davis

OR

OTHER APPROVED APPLIED PREPARATORY COURSES

END OF MAJOR

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

Special Advising Note:

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

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

Special Advising Note for future applicants:*

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

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

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

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

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated

here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

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

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

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

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)
OR			OR		
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE		

MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

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 I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		

COMPUTATIONAL PHYSICS CONCENTRATION

ENG CS 36A	Programming	(4)	CS 11	Introduction to	(4)
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Formerly ENG CS 30

Programming Concepts
and Methodology, C++

OR

CS 11M Introduction to C/C++ (4)
Programming Using
Microcontrollers

OR

CS 12J Introduction to (4)
Programming Concepts &
Methodology, JAVA

OR

CS 12GP Introduction to (4)
Programming Using Games
and Simulations

OR

CS 20J Java Programming (4)
CS 19 C++ Programming (4)

ENG CS 36B Object-Oriented Program (4)
Formerly ENG CS 40

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

GEOFYSICS CONCENTRATION

PHYSICS 40 Intr Physics Computation (4) | NO COURSE ARTICULATED

MATERIALS SCIENCE CONCENTRATION

PHYSICS 40 Intr Physics Computation (4) | NO COURSE ARTICULATED

PHYSICAL ELECTRONICS CONCENTRATION

ENGIN 17 Circuits I (4) | ENGR 15 Circuits (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

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](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.

FOUR COURSES FROM THE FOLLOWING:

ARTHI 1A	Ancient Mediterranean Art	(4)		AH 11	Ancient Art	(3)
				OR		
ARTHI 1B	Mediev&Renaiss Art	(4)		AH 11H	Honors Ancient Art	(3)
				AH 12	& Middle Ages:	(3)
					Art/Mediterranean World	
					and Europe (AD 300-1400)	
				AH 13	Renaissance to Mid-19th	(3)
					Century	
ARTHI 1C	Baroque to Modern Art	(4)		AH 14	Modern Art	(3)
ARTHI 1D	Arts of Asia	(4)		AH 17	Art of China, Korea and	(3)
					Japan	
ARTHI 1E	Islamic Art & Architecture	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARTHI 5	Visual Culture	(4)		NO COMPARABLE COURSE		
ARTHI 25	Understanding Architecture	(4)		NO COMPARABLE COURSE		

ONE ART STUDIO COURSE FROM:

ART 2	Beginning Drawing	(4)		ART 2A	& Drawing and Composition	(3)
					I	
				ART 2B	Drawing and Composition	(3)
					II	
ART 5	Beginning Sculpture	(4)		ART 34A	Sculpture: Direct	(3)
					Processes I	
				OR		
				ART 34B	Sculpture: Direct	(3)
					Processes II	
ART 7	Beginning Painting	(4)		ART 31A	Painting I	(3)
				OR		
				ART 31B	Painting II	(3)
ART 8	Beginning Ceramic Sculpture	(4)		NO COMPARABLE COURSE		

ART 9	Beginning Photography	(4)		AP 9A	Beginning Photography	(3)
ART 11	Beginning Printmaking	(4)		ART 32A	Printmaking: Etching and Intaglio	(3)
ART 12	Beginning Video	(4)		DM 34	Introduction to Video Production	(4)
ART 24	Intro Experimental Video and Film	(4)		AP 55	The Moving Image: Experimental Film, Video and new Media Art	(3)

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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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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FOUR COURSES FROM THE FOLLOWING:

ART 2	Beginning Drawing	(4)		ART 2A &	Drawing and Composition	(3)
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					I	
				ART 2B	Drawing and Composition	(3)
					II	
ART 5	Beginning Sculpture	(4)		ART 34A	Sculpture: Direct Processes I	(3)
					OR	
				ART 34B	Sculpture: Direct Processes II	(3)
ART 7	Beginning Painting	(4)		ART 31A	Painting I	(3)
					OR	
				ART 31B	Painting II	(3)
ART 8	Beginning Ceramic Sculpture	(4)		NO COMPARABLE COURSE		
ART 9	Beginning Photography	(4)		AP 9A	Beginning Photography	(3)
ART 11	Beginning Printmaking	(4)		ART 32A	Printmaking: Etching and Intaglio	(3)
ART 12	Beginning Video	(4)		DM 34	Introduction to Video Production	(4)
	TWO LECTURE COURSES CHOSEN FROM THE FOLLOWING:					
ART 24	Intro Experimental Video and Film	(4)		AP 55	The Moving Image: Experimental Film, Video and new Media Art	(3)
ART 30	Contemp Vis Culture	(4)		AH 53	Contemporary Art and Visual Culture	(3)
ARTHI 1A	Ancient Mediterranean Art	(4)		AH 11	Ancient Art	(3)
					OR	
				AH 11H	Honors Ancient Art	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)		AH 12 &	Middle Ages: Art/Mediterranean World and Europe (AD 300-1400)	(3)
				AH 13	Renaissance to Mid-19th Century	(3)
ARTHI 1C	Baroque to Modern Art	(4)		AH 14	Modern Art	(3)
ARTHI 1D	Arts of Asia	(4)		AH 17	Art of China, Korea and Japan	(3)
ARTHI 1E	Islamic Art & Architecture	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ARTHI 5	Visual Culture	(4)		NO COMPARABLE COURSE		
ARTHI 25	Understanding Architecture	(4)		NO COMPARABLE COURSE		

END OF MAJOR

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

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](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:

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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.

A A STD 1	Hist Exp Asian Am	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
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	(4)	NO COURSE ARTICULATED: College has not

	Culture		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)	MUS 13A Survey of American Popular Music (3)
CHICANO 10	Intro to Chic Std	(4)	HIST 21A Chicano History to 1865 (3)
			OR
			HIST 21AH Honors Chicano History to 1865 (3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
CHICANO 30	US Poli & Chicanos	(4)	HIST 21B Chicano History since 1865 (3)
			OR
			HIST 21BH Honors Chicano History since 1865 (3)
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)	WS 1 Introduction to Women's Studies (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 COMPARABLE COURSE
ART 10	Fine Art Appreciation	(4)	AH 10 Appreciation/Introduction to the Visual Arts (3)
ART 30	Contemp Vis Culture	(4)	AH 53 Contemporary Art and Visual Culture (3)
CHICANO 23	Qualitative Research Methods	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 42	Approaches to Reading	(4)	NO COMPARABLE COURSE
PHILOS 5	Critical Reasoning	(4)	PHILO 49 Introduction to Critical Thinking (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 2B	Research Methods in Psychology	(4)
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	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

PL SCI 2	Bot Physio Cul Plt	(4)		NO COMPARABLE COURSE	
<hr/>					
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry I (5)
				CHEM 1B	General Chemistry II (5)
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ENG CS 36A	Programming	(4)		CS 11	Introduction to (4)
	Formerly ENG CS 30				Programming Concepts and Methodology, C++
				OR	
				CS 11M	Introduction to C/C++ (4)
					Programming Using Microcontrollers
				OR	
				CS 12J	Introduction to (4)
					Programming Concepts & Methodology, JAVA
				OR	
				CS 12GP	Introduction to (4)
					Programming Using Games and Simulations
				OR	
				CS 20J	Java Programming (4)

or a course selected with advisor's approval

MATH 21A	Calculus	(4)		MATH 5A	Analytic Geometry and (5)
					Calculus I
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and (5)

MATH 21C	Calculus	(4)	MATH 5C	Calculus II Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

PREPARATION FOR GRADUATION:

ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)
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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)	BIOLSCI 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIOLSCI 9B	Ecology, Evolution, and Plant Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE	
CHEM 2BH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE	
CHEM 2CH	Honors Genl Chemistry	(5)		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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I (5)
PHYSICS 9B	Classical Physics	(5)		PHYS 4C	Physics for Scientists and Engineers III (5)
PHYSICS 9C	Classical Physics	(5)		PHYS 4B	Physics for Scientists and Engineers II (5)

CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A & CHEM 12AL	Organic Chemistry I (3) Organic Chemistry Laboratory I (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A & CHEM 12AL	Organic Chemistry I (3) Organic Chemistry Laboratory I (2)
				CHEM 12B & CHEM 12BL	Organic Chemistry II (3) Organic Chemistry Laboratory II (2)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 12B & CHEM 12BL	Organic Chemistry II (3) Organic Chemistry Laboratory II (2)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)		CHEM 12A	Organic Chemistry I (3)
CHEM 128B	Organic Chemistry	(3)		CHEM 12A & CHEM 12B	Organic Chemistry I (3) Organic Chemistry II (3)
CHEM 128C	Organic Chemistry	(3)		CHEM 12B	Organic Chemistry II (3)
CHEM 129A	Organic Chem Lab	(2)		CHEM 12AL	Organic Chemistry Laboratory I (2)
CHEM 129B	Organic Chem Lab	(2)		CHEM 12AL & CHEM 12BL	Organic Chemistry Laboratory I (2) Organic Chemistry Laboratory II (2)

RECOMMENDED:

MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III (5)
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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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
OR			OR		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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 II	(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 5C	Analytic Geometry and Calculus III	(5)

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:

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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.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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 5C	Analytic Geometry and Calculus III	(5)
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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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and	(5)

Plant Biology

BIOTECH 1Y	Introduction to Biotechnology	(4)	NO COURSE submitted	ARTICULATED: College has not course(s) for articulation	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Laboratory I	(3) (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Laboratory II	(3) (2)
OR					
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Laboratory I	(3) (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Laboratory I Organic Chemistry II Laboratory II	(3) (2) (3) (2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Laboratory II	(3) (2)
OR					
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry I Organic Chemistry II	(3) (3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
OR					
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
OR					
MATH 17A	Calculus for BioSci	(4)	NO COURSE submitted	ARTICULATED: College has not course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE submitted	ARTICULATED: College has not course(s) for articulation	
OR					
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(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.

COURSEWORK FOR BIOINFORMATICS OPTION:

ENG CS 20	C Sci/Discrete Math	(4)		CS 23	Discrete Mathematics	(4)
					Same as:	
					<u>OR</u>	
				MATH 23	Discrete Mathematics	(4)
					Same as:	
ENG CS 36A	Programming	(4)		CS 11	Introduction to	(4)
Formerly ENG CS 30					Programming Concepts	
					and Methodology, C++	
					<u>OR</u>	
				CS 11M	Introduction to C/C++	(4)
					Programming Using	
					Microcontrollers	
					<u>OR</u>	
				CS 12J	Introduction to	(4)
					Programming Concepts &	
					Methodology, JAVA	
					<u>OR</u>	
				CS 12GP	Introduction to	(4)
					Programming Using Games	
					and Simulations	
					<u>OR</u>	
				CS 20J	Java Programming	(4)

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 36B	Object-Oriented Program	(4)		CS 19	C++ Programming	(4)
Formerly ENG CS 40						
ENG CS 36C	Data Structures	(4)		CS 21	Introduction to Data	(4)
	Structures and Algorithms					
Formerly ENG CS 60						
ENG CS 50	Machine Dependent Prog	(4)		CS 24	Elementary Computer	(4)
					Organization	

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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology:	(5)		BIO 9A &	Molecular, Cellular, and	(5)

	Biodiversity & the Tree of Life		BIO 9B	Animal Biology Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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 5C	Analytic Geometry and Calculus III	(5)

END OF MAJOR

====Chemical 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

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

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)

MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30	Computer Applications in Engineering	(4)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)

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

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists	(5)

PHYSICS 9B	Classical Physics	(5)	PHYS 4C	and Engineers I Physics for Scientists	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	and Engineers III Physics for Scientists and Engineers II	(5)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	<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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

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

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30	Computer Applications in Engineering	(4)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL &	Organic Chemistry Laboratory I	(2)

			CHEM 12BL	Organic Chemistry	(2)
				Laboratory II	
CHEM 129C	Organic Chem Lab	(2)	CHEM 12BL	Organic Chemistry	(2)
				Laboratory II	

RECOMMENDED COURSES:

PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)
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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 I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

CHEM 2BH Honors Genl Chemistry (5) | NO COMPARABLE COURSE
 CHEM 2CH Honors Genl Chemistry (5) | NO COMPARABLE COURSE

PHYSICS 7A General Physics (4) | PHYS 2A & General Physics I (4)
 | PHYS 2B General Physics II (4)
 PHYSICS 7B General Physics (4) | PHYS 2A & General Physics I (4)
 | PHYS 2B General Physics II (4)
 PHYSICS 7C General Physics (4) | PHYS 2A & General Physics I (4)
 | PHYS 2B General Physics II (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 Physics for Scientists (5)
 and Engineers I
 PHYSICS 9B Classical Physics (5) | PHYS 4C Physics for Scientists (5)
 and Engineers III
 PHYSICS 9C Classical Physics (5) | PHYS 4B Physics for Scientists (5)
 and Engineers II

MATH 16A Short Calculus (3) | MATH 18 Business Calculus (4)
OR
 | MATH 5A Analytic Geometry and (5)
 Calculus I
 MATH 16B Short Calculus (3) | MATH 5A Analytic Geometry and (5)
 Calculus I
 MATH 16C Short Calculus (3) | MATH 5B Analytic Geometry and (5)
 Calculus II

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 5A Analytic Geometry and (5)
 Calculus I
 MATH 21B Calculus (4) | MATH 5B Analytic Geometry and (5)
 Calculus II
 MATH 21C Calculus (4) | MATH 5C Analytic Geometry and (5)
 Calculus III

BIOLSCI 2A Intro Biology:Life on (5) | BIO 9A Molecular, Cellular, and (5)
 Earth Animal Biology

STATIST 13 Elementary Statistics (4) | MATH 12 Elementary Statistics (5)
 Same as: STATIST 13Y **OR**
 | MATH 12H Honors Elementary (5)
 Statistics **OR**
 | PSYCH 2A Statistics for (3)
 Behavioral Sciences

OR | **OR**
 STATIST 32 Gateway to Data Science (4) | NO COURSE ARTICULATED: College has not
 submitted course(s) for articulation

CHEM 118A Org Chem, Hlth & Sci (4) | CHEM 12A & Organic Chemistry I (3)
 | CHEM 12AL Organic Chemistry (2)
 Laboratory I

CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A	&	Organic Chemistry I	(3)
			CHEM 12AL	&	Organic Chemistry Laboratory I	(2)
			CHEM 12B	&	Organic Chemistry II	(3)
			CHEM 12BL		Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	&	Organic Chemistry II	(3)
			CHEM 12BL		Organic Chemistry Laboratory II	(2)
	OR			OR		
CHEM 128A	Organic Chemistry	(3)	CHEM 12A		Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A	&	Organic Chemistry I	(3)
			CHEM 12B		Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B		Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL		Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL	&	Organic Chemistry Laboratory I	(2)
			CHEM 12BL		Organic Chemistry Laboratory II	(2)

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

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
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ENV TOX 20	Introduction to Forensic Science	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
	<u>OR</u>		<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	<u>&</u> Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A	<u>&</u> Organic Chemistry I	(3)
			CHEM 12AL	<u>&</u> Organic Chemistry Laboratory I	(2)
			CHEM 12B	<u>&</u> Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	<u>&</u> Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	<u>OR</u>		<u>OR</u>		
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A	<u>&</u> Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL	<u>&</u> Organic Chemistry Laboratory I	(2)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

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

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE.

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

College Foreign Language Requirement Note:

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

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

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

CHICANO 10	Intro to Chic Std	(4)	HIST 21A	Chicano History to 1865	(3)
			OR		
			HIST 21AH	Honors Chicano History to 1865	(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)	SPAN 10B	Advanced Spanish Conversation	(3)
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 16	Elementary Spanish for Spanish Speakers I	(4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 16 &	Elementary Spanish for Spanish Speakers I	(4)
			SPAN 17	Elementary Spanish for Spanish Speakers II	(4)

END OF MAJOR

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

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). 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 21A	Chicano History to 1865	(3)
			<u>OR</u>		
			HIST 21AH	Honors Chicano History to 1865	(3)
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE		
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>	
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 2B Research Methods in Psychology (4)
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)	SPAN 10B Advanced Spanish Conversation (3)
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 16 Elementary Spanish for Spanish Speakers I (4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 16 & Elementary Spanish for Spanish Speakers I (4)
			SPAN 17 Elementary Spanish for Spanish Speakers II (4)

END OF MAJOR

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

Special Advising Note:

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

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

Chinese Placement Examination Note:

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

Transfer Admission Guarantee (TAG) Note:

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

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

Education(GE) Note:

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

College Foreign Language Requirement Note:

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

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

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

x) CHINESE 1	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 3	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 4	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 5	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 6	Inter Chinese	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1BL	Accl Wrtn Chinese I	(5)	NO COMPARABLE COURSE
x) CHINESE 2BL	Accl Wrtn Chinese II	(5)	NO COMPARABLE COURSE
x) CHINESE 3BL	Accl Wrtn Chinese III	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1CN	Mand/Cant Spkrs I	(5)	NO COMPARABLE COURSE
x) CHINESE 2CN	Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE
x) CHINESE 3CN	Mand/Cant Spkrs III	(5)	NO COMPARABLE COURSE

RECOMMENDED COURSES FOR THIS MAJOR:

CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE
CHINESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE
	Same as: JPNESE 50		
COMPLIT 14	Intro Poetry	(3)	NO COMPARABLE COURSE
JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE
HISTORY 9A	East Asian Civ	(4)	HIST 19B Introduction to Chinese History (3)

END OF MAJOR

x) **Transfer students must take a UC Davis placement exam in Chinese language**

before enrolling in UC Davis Chinese language courses; duplication of coursework may result.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

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

CINE&TS 20	Filmmaking Foundations	(5)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation

Select two of the following courses:

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

Select two of the following courses:

FILM ST 1	Intro to Film Studies	(4)	ENGL 49A	The Language of Film: (3)
				Film History
	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)		AH 11	Ancient Art	(3)
				OR		

			AH 11H Honors Ancient Art (3)
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE
CLASSIC 4	Late Antiquity	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CLASSIC 10	Gr,Roman,N East Myth	(3)	NO COMPARABLE COURSE
CLASSIC 15	Women & Gender in Classical Antiquity	(4)	NO COMPARABLE COURSE
CLASSIC 20	Pompeii AD 79	(4)	NO COMPARABLE COURSE
CLASSIC 25	Classical America	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CLASSIC 30	Word Roots	(3)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CLASSIC 31	Technical Word Roots	(3)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CLASSIC 40	Economy in Ancient Med	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CLASSIC 50	Ancient Science	(4)	NO COMPARABLE COURSE
	Same as: SCI&TEC 50		
COMPLIT 1	Major Books-Ancient World	(4)	NO COMPARABLE COURSE
PHILOS 21	Phil Classics: Ancient	(4)	PHILO 6 History of Philosophy: Ancient and Medieval (3)
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE

END OF MAJOR

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

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

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

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

LATIN 1	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 2	Elementary Latin	(5)	NO COMPARABLE COURSE
LATIN 3	Intermediate Latin	(5)	NO COMPARABLE COURSE
	AND		AND
GREEK 1	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 2	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 3	Intermediate Greek	(5)	NO COMPARABLE COURSE
<hr/>			
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
	OR		OR
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE
	OR		OR
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE
CLASSIC 4	Late Antiquity	(4)	NO COURSE ARTICULATED: College has not 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)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)

UWRITING 1	OR Expository Writing	(4)	ENGL 1A Same as: OR ENGL 1AMC Same as: OR ENGL 1AH Same as: OR ENGL 1AMCH Same as:	OR College Composition (3) College Composition: (3) Multicultural Emphasis Honors College Composition (3) Honors College Composition: Multicultural Emphasis (3)
COMUNCN 1	Intro Public Spkg	(4)	COMM 1 OR COMM 1H	Public Speaking (3) Honors Public Speaking (3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I (5) General Chemistry II (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I (3) Organic Chemistry Laboratory I (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II (3) Organic Chemistry Laboratory II (2)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics (3)
ECON 1B	OR Princ of Macroecon	(4)	ECON 1A	OR Introduction to Macroeconomics (3)
PSYCH 1	General Psychology	(4)	PSYCH 1 OR PSYCH 1H	General Psychology (3) Honors General Psychology (3)
SOCIOL 1	Intro Sociology	(5)	SOC 1 OR SOC 1H	Introduction to Sociology: Understanding Society (3) Honors Introduction to Sociology: Understanding Society (3)
SOCIOL 3	OR Social Problems	(4)	SOC 2 OR SOC 2H	OR Contemporary Social Problems (3) Honors Contemporary Social Problems (3)

OR	ANTHRO 2 Cultural Anthropology (5)	OR	ANTHR 2 Introduction to Anthropology: Cultural (3)

STATIST 13 Elementary Statistics (4) Same as: STATIST 13Y	OR	MATH 12 Elementary Statistics (5)	
	OR	MATH 12H Honors Elementary Statistics (5)	
	OR	PSYCH 2A Statistics for Behavioral Sciences (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)		NO COMPARABLE COURSE	
COG SCI 1	Intro Cognitive Science	(4)		NO COURSE ARTICULATED	
	OR			OR	
PHILOS 10	Intro Cognitive Science	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PHILOS 12	Intro to Symbol Logic	(4)		PHILO 12 Symbolic Logic	(3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
PSYCH 1	General Psychology	(4)		PSYCH 1 General Psychology	(3)
				OR	
				PSYCH 1H Honors General Psychology	(3)
PSYCH 41	Research Methods	(4)		PSYCH 2B Research Methods in Psychology	(4)
STATIST 13	Elementary Statistics	(4)		MATH 12 Elementary Statistics	(5)
	Same as: STATIST 13Y			OR	
				MATH 12H Honors Elementary Statistics	(5)
				OR	
				PSYCH 2A Statistics for Behavioral Sciences	(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.

<u>Emphasis 1: Computational</u>			
ENG CS 20	C Sci/Discrete Math	(4)	CS 23 Discrete Mathematics (4) Same as: <u>OR</u> MATH 23 Discrete Mathematics (4) Same as:
ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COMPARABLE COURSE
	<u>OR</u>		<u>OR</u>
ENG CS 36A	Programming (4) Formerly ENG CS 30	(4)	CS 11 Introduction to Programming Concepts and Methodology, C++ (4) <u>OR</u> CS 11M Introduction to C/C++ Programming Using Microcontrollers (4) <u>OR</u> CS 12J Introduction to Programming Concepts & Methodology, JAVA (4) <u>OR</u> CS 12GP Introduction to Programming Using Games and Simulations (4) <u>OR</u> CS 20J Java Programming (4)
ENG CS 34	UNIX & C++ (5) <u>OR</u>	(5)	NO COURSE ARTICULATED <u>OR</u>
ENG CS 36B	Object-Oriented Program (4) Formerly ENG CS 40	(4)	CS 19 C++ Programming (4)
ENG CS 50	Machine Dependent Prog (4)	(4)	CS 24 Elementary Computer Organization (4)
ENG CS 32B	Intro to Data Structures (4) <u>OR</u>	(4)	<u>OR</u>
ENG CS 36C	Data Structures (4) (4)	(4)	CS 21 Introduction to Data (4)
	Structures and Algorithms		
	Formerly ENG CS 60		
LINGUIS 1	Intro Linguistics	(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
	<u>OR</u>		<u>OR</u>
MATH 21A	Calculus	(4)	MATH 5A Analytic Geometry and Calculus I (5)
MATH 21B	Calculus	(4)	MATH 5B Analytic Geometry and Calculus II (5)
MATH 22A	Linear Algebra	(3)	MATH 6 Introduction to Linear Algebra (3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30 Computer Applications (4)

in Engineering

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

PSYCH 1	General Psychology	(4)	PSYCH 1 General Psychology (3)
OR			
			PSYCH 1H Honors General Psychology (3)
PSYCH 41	Research Methods	(4)	PSYCH 2B Research Methods in Psychology (4)

STATIST 13	Elementary Statistics	(4)	MATH 12 Elementary Statistics (5)
Same as: STATIST 13Y			OR
			MATH 12H Honors Elementary Statistics (5)
			OR
			PSYCH 2A Statistics for Behavioral Sciences (3)

Emphasis 2: Neuroscience

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIO 9A Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B Ecology, Evolution, and Plant Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & Molecular, Cellular, and Animal Biology (5)
			BIO 9B Ecology, Evolution, and Plant Biology (5)

LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE
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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 5A Analytic Geometry and Calculus I (5)
MATH 21B	Calculus	(4)	MATH 5B Analytic Geometry and Calculus II (5)
MATH 21C	Calculus	(4)	MATH 5C Analytic Geometry and Calculus III (5)

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

PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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PHYSICS 7A	General Physics	(4)	PHYS 2A & General Physics I (4)
			PHYS 2B General Physics II (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & General Physics I (4)

PHYSICS 7C	General Physics	(4)	PHYS 2B	General Physics II	(4)
			PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			OR		
			PSYCH 1H	Honors General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYCH 2B	Research Methods in Psychology	(4)

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

END OF MAJOR

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

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). 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)	NO COMPARABLE COURSE	
	OR			OR
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE	
COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking (3)
			OR	
			COMM 1H	Honors Public Speaking (3)
	OR			OR
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 7	Interpersonal Communications (3)
				OR
COMUNCN 5	Global English Comm	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	Same as: LINGUIS 5			OR
LINGUIS 5	Global English Comm	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	Same as: COMUNCN 5			
COMUNCN 10Y	Intro to Communication	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
B) ENG CS 15	Intro to Computers	(4)	CS 1 &	Introduction to Computers (3) and Computer Technology
			CS 1L	Technology Tools (2)

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

PHILOS 12	Intro to Symbol Logic	(4)	PHILO 12	Symbolic Logic (3)
PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology (3)
			OR	
			PSYCH 1H	Honors General Psychology (3)
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society (3)
			OR	
			SOC 1H	Honors Introduction to Sociology: Understanding Society (3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
	OR			OR

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

END OF MAJOR

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

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

TWO COURSES FROM THE FOLLOWING:

COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			OR		
			COMM 1H	Honors Public Speaking	(3)
COMPLIT 1	Major Books-Ancient World	(4)	NO COMPARABLE COURSE		
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
COMPLIT 4	Maj Books:Cont Wrld	(4)	ENGL 45	World Literature	(3)
ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Composition and Literature	(3)
			OR		
			ENGL 1BH	Honors Composition and Literature	(3)
			OR		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE		
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			OR		
			ENGL 1AMC	College Composition: Multicultural Emphasis	(3)
			Same as:		
			OR		

			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMCH	Honors College Composition: Multicultural Emphasis	(3)
			Same as:		
UWRITING 48	Style in the Essay	(4)	NO COMPARABLE COURSE		
	Formerly UWRITING 18				
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE		
	Formerly UWRITING 19				

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

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	<u>OR</u>				
B) ENG CS 15	Intro to Computers	(4)	CS 1 &	Introduction to Computers and Computer Technology	(3)
			CS 1L	Technology Tools	(2)

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	Introduction to Microeconomics	(3)
	<u>OR</u>				
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	<u>OR</u>				
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			<u>OR</u>		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
	<u>OR</u>				
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>				
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science

Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

COMPLIT 1	Major Books-Ancient World	(4)	NO COMPARABLE COURSE
	OR		OR
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR

COMPLIT 4 Maj Books:Cont Wrld (4)|ENGL 45 World Literature (3)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 3	Major Books-The Modern Crisis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 4	Maj Books:Cont Wrld	(4)	ENGL 45 World Literature (3)
COMPLIT 5	Fairy Tales, Fables, Parables	(4)	NO COMPARABLE COURSE
COMPLIT 6	Myths & Legends	(4)	ENGL 48A Mythology and Folklore (3)
COMPLIT 7	Lit:Fant,Supernatl	(4)	NO COMPARABLE COURSE
COMPLIT 8	Utopias Transform	(4)	NO COMPARABLE COURSE
COMPLIT 9	Short Story & Novella	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
COMPLIT 11	Travel and Modern World Same as: GERMAN 11	(4)	NO COURSE ARTICULATED: College has not 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 5A	Analytic Geometry and	(5)
				Calculus I	

MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
OR			OR		
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ENG CS 20	C Sci/Discrete Math	(4)	CS 23	Discrete Mathematics	(4)
			Same as:		
			OR		
			MATH 23	Discrete Mathematics	(4)
			Same as:		
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
			OR		
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
			OR		
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
			OR		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			OR		
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CS 20J	Java Programming	(4)
ENG CS 36C	Data Structures (4)		CS 19	C++ Programming	(4)
			CS 21	Introduction to Data Structures and Algorithms Formerly ENG CS 60	(4)
ENG CS 50	Machine Dependent Prog	(4)	CS 24	Elementary Computer Organization	(4)

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

THREE OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

CHEM 2BH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE	
CHEM 2CH	Honors Genl Chemistry	(5)		NO COMPARABLE COURSE	
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Physics for Scientists (5) and Engineers I
PHYSICS 9B	Classical Physics	(5)		PHYS 4C	Physics for Scientists (5) and Engineers III
PHYSICS 9C	Classical Physics	(5)		PHYS 4B	Physics for Scientists (5) and Engineers II

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
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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 4 Beginning Design: Design (3) and Color
	AND		AND
DESIGN 16	Graphics & The Computer	(4)	DM 1 Introduction to Digital (4) Media

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

TWO COURSES FROM THE FOLLOWING:

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

ART 12	Beginning Video	(4)	DM 34 Introduction to Video (4) Production
DESIGN 40A	Energy, Materials, Design	(4)	NO COMPARABLE COURSE
DESIGN 40B	Ideologies of Design	(4)	NO COMPARABLE COURSE
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
DESIGN 50	Intro to 3-D Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 70	Intro Textile Structure	(4)	NO COMPARABLE COURSE
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)	NO COMPARABLE COURSE
	Formerly UWRITING 19		

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

HISTORY 9A	East Asian Civ	(4)	HIST 19B	Introduction to Chinese History	(3)
HISTORY 9B	East Asian Civ	(4)	HIST 19C	Introduction to Japanese History	(3)

ONE COURSE FROM THE FOLLOWING:

ARTHI 1D	Arts of Asia	(4)	AH 17	Art of China, Korea and Japan	(3)
CHINESE 7	Chinese Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE		
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE		
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE		
JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE		
JPNESE 25	Language & Culture (in English)	(4)	NO COMPARABLE COURSE		
JPNESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE		
Same as: CHINESE 50					
E ASIAN 88	Korean Society	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
REL STD 75	Introduction to Chinese Philosophy	(4)	NO COMPARABLE COURSE		

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

x) CHINESE 1	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
y) JPNESE 1	Elem Japanese	(5)	JAPAN 2 Elementary Japanese II (5)
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE

END OF MAJOR

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

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

PHYSICS 1A	Principles Physics	(3)		PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)		NO COMPARABLE COURSE		
	OR				OR	
PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(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 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	<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	
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

ENV S&P 1	Env Analysis	(4)	ES 10	Introduction to Environmental Science	(3)

PREPARATION FOR GRADUATION:

SCI&SOC 18	GIS & Society	(3)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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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	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		

				MATH 5A	Analytic Geometry and	(5)
					Calculus I	
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and	(5)
					Calculus I	
	OR				OR	
MATH 21A	Calculus	(4)		MATH 5A	Analytic Geometry and	(5)
					Calculus I	
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and	(5)
					Calculus II	

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

MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and	(5)
					Calculus III	
MATH 22A	Linear Algebra	(3)		MATH 6	Introduction to Linear	(3)
					Algebra	

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)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
	<u>OR</u>			<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMC	College Composition: Multicultural Emphasis	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMCH	Honors College Composition: Multicultural	(3)

			Same as:	Emphasis
d) ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 46A	Major British Writers I (3)
d) ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGL 46A	Major British Writers I (3)
			<u>OR</u>	
			ENGL 46B	Major British Writers II (3)
			<u>OR</u>	
e) ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGL 30A	American Literature (3)
			ENGL 46B	Major British Writers II (3)
			<u>OR</u>	
			ENGL 30B	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 COMPARABLE COURSE	
ENGLISH 44	Intro Topics in Fiction	(4)	NO COMPARABLE COURSE	
ENGLISH 45	Intro Topics in Poetry	(4)	NO COMPARABLE COURSE	

END OF MAJOR

- d) If a student takes ENGL 46A at Cabrillo College, credit will be given for UC Davis's ENGLISH 10A or ENGLISH 10B, not both.
- e) If a student takes ENGL 46B at Cabrillo College, credit will be given for UC Davis's ENGLISH 10B or ENGLISH 10C, but not both.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE.

IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
	OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated

here for general transfer admission to the major. Visit our website for details regarding [UC Davis TAG](#).

General Education (GE) Note:

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

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

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

END OF MAJOR

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

English Composition Requirement for the Bachelor's Degree:

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

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

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

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

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

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

ENVHORT 1	Intro Envhort/Urb For	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENVHORT 6	Intro Environ Plants	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
LND ARC 30	History Environ Design	(4)	NO COMPARABLE COURSE
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIO 9A Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B Ecology, Evolution, and Plant Biology (5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry I (5) CHEM 1B General Chemistry II (5)
ENV S&P 1	Env Analysis	(4)	ES 10 Introduction to Environmental Science (3)
	OR		OR
ENV S&P 10	Current Issues in Environment	(3)	NO COMPARABLE COURSE

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

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

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics (4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE	

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

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus (4)
			OR	
			MATH 5A	Analytic Geometry and Calculus I (5)
OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics (5)
Same as: STATIST 13Y			OR	
			MATH 12H	Honors Elementary Statistics (5)
			OR	
			PSYCH 2A	Statistics for Behavioral Sciences (3)

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

URBAN LANDSCAPE MANAGEMENT OPTION

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

COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking (3)
			OR	
			COMM 1H	Honors Public Speaking (3)

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated

here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

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

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)		COMM 1	Public Speaking	(3)
				<u>OR</u>		

			COMM 1H	Honors Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 7	Interpersonal Communications	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	TA 7	Introduction to Acting	(3)
BIO LS CI 2A	Intro Biology: Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
	OR			OR	
BIO LS CI 10	Everyday Biology	(4)	BIO 11A	General Biology	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
	OR			OR	
CHEM 10	Concept of Chem	(4)	CHEM 10	Concepts of Chemistry	(4)
PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
BIO LS CI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
	OR			OR	
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I & II	(5)
	OR			OR	
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING:

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR			OR	
SCI&SOC 18	GIS & Society	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)

ONE COURSE FROM THE FOLLOWING:

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		
j) GEOLOGY 1	The Earth	(4)	GEOL 10	Physical Geology	(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)	ES 10	Introduction to Environmental Science	(3)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	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		

					submitted course(s) for articulation	
	OR				OR	
MATH 21A	Calculus	(4)			MATH 5A Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)			MATH 5B Analytic Geometry and Calculus II	(5)

POL SCI 1	Amer Natl Govt	(4)			PS 1 Introduction to Government	(3)

STATIST 13	Elementary Statistics	(4)			MATH 12 Elementary Statistics	(5)
	Same as: STATIST 13Y				OR	
					MATH 12H Honors Elementary Statistics	(5)
					OR	
					PSYCH 2A Statistics for Behavioral Sciences	(3)
	OR				OR	
STATIST 32	Gateway to Data Science	(4)			NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

CLIMATE CHANGE POLICY AREA:

SCI&SOC 25	Global Climate Change	(3)		NO COMPARABLE COURSE
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END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted for UC Davis's GEOLOGY 1 or 50+50L, not both.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)		COMM 1	Public Speaking	(3)
				OR		
				COMM 1H	Honors Public Speaking	(3)
	OR			OR		
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		COMM 7	Interpersonal Communications	(3)
				OR		
DRAMART 10	Intro To Acting	(4)		TA 7	Introduction to Acting	(3)

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)

	of Life		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COMPARABLE COURSE		

j) GEOLOGY 1	The Earth	(4)	GEOL 10	Physical Geology	(4)
	OR			OR	
j) GEOLOGY 50	Physical Geology	(3)	GEOL 10	Physical Geology	(4)

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Introduction to Microeconomics	(3)
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MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

ENV S&P 1	Env Analysis	(4)	ES 10	Introduction to Environmental Science	(3)
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RECOMMENDED COURSES FOR THIS MAJOR:

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

PREPARATION FOR GRADUATION:

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
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Same as: STATIST 13Y

	<u>OR</u>		
MATH 12H	Honors Elementary	(5)	
	Statistics		
	<u>OR</u>		
PSYCH 2A	Statistics for	(3)	
	Behavioral Sciences		

ECOLOGY, BIODIVERSITY, AND CONSERVATION TRACK:

ATM SCI 60 Intro to Atmospheric (4) | NO COMPARABLE COURSE
Science

CLIMATE CHANGE AND AIR QUALITY TRACK:

ATM SCI 60 Intro to Atmospheric (4) | NO COMPARABLE COURSE
Science

WATERSHED SCIENCE TRACK:

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

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted for UC Davis's GEOLOGY 1 or 50+50L, not both.

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and Plant Biology	(5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry I	(5)

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
	OR		CHEM 1B	General Chemistry II	(5)
CHEM 2AH	Honors Genl Chemistry	(5)		OR	
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 I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A	& Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
			CHEM 12B	& Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	& Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A	& Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A	& General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A	& General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A	& General Physics I	(4)
			PHYS 2B	General Physics II	(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)	BIOLSCI 2A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 2B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 2C &	Molecular, Cellular, and Animal Biology	(5)
			BIOLSCI 2C	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 8A &	Organic Chemistry I	(3)
			CHEM 8A	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8B &	Organic Chemistry II	(3)
			CHEM 8B	Organic Chemistry Laboratory II	(2)

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 5A	Analytic Geometry and Calculus I	(5)

MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
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PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
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 5C	Analytic Geometry and Calculus III	(5)

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

complete Organic Chemistry 8A/B; however, students may substitute Chemistry 118A/B/C.

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
						BIO 9B	Ecology, Evolution, and Plant Biology	(5)
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CHEM 2A	Genl Chemistry	(5)	CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
						CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
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CHEM 8A	Organic Chem-Brief	(2)	CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
						CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
						CHEM 12BL	Organic Chemistry Laboratory II	(2)
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	OR			OR				
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
						CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
						CHEM 12AL &	Organic Chemistry Laboratory I	(2)

				Laboratory I	
			CHEM 12B	&	Organic Chemistry II (3)
			CHEM 12BL		Organic Chemistry (2)
					Laboratory II
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	&	Organic Chemistry II (3)
			CHEM 12BL		Organic Chemistry (2)
					Laboratory II

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 5A		Analytic Geometry and Calculus I (5)
MATH 21B	Calculus	(4)	MATH 5B		Analytic Geometry and Calculus II (5)

PHYSICS 7A	General Physics	(4)	PHYS 2A	&	General Physics I (4)
			PHYS 2B		General Physics II (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A	&	General Physics I (4)
			PHYS 2B		General Physics II (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A	&	General Physics I (4)
			PHYS 2B		General Physics II (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 5C		Analytic Geometry and Calculus III (5)
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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 I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A	&	General Chemistry I (5)
			CHEM 1B		General Chemistry II (5)

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

CHEM 2C	Genl Chemistry	(5)	CHEM 1B		General Chemistry II (5)
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B) ENG CS 15	Intro to Computers	(4)	CS 1	&	Introduction to Computers and Computer Technology (3)
			CS 1L		Technology Tools (2)
	OR			OR	

ENG CS 36A Programming Formerly ENG CS 30	(4)		CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
			<u>OR</u>		
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
			<u>OR</u>		
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
			<u>OR</u>		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			<u>OR</u>		
			CS 20J	Java Programming	(4)

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

MATH 16A	Short Calculus	(3)		MATH 18	Business Calculus	(4)
				<u>OR</u>		
				MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)		MATH 5B	Analytic Geometry and Calculus II	(5)
	<u>OR</u>			<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III	(5)

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

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

	<u>OR</u>			<u>OR</u>		
PHYSICS 9A	Classical Physics	(5)		PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)		PHYS 4B	Physics for Scientists and Engineers II	(5)

STATIST 13	Elementary Statistics	(4)		MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y				<u>OR</u>		
				MATH 12H	Honors Elementary	(5)

				Statistics	
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

TEX&CL 6	Intro Textiles	(4)		NO COMPARABLE COURSE	

TEX&CL 8	Textile Apparel Ind	(4)		NO COMPARABLE COURSE	
	<u>OR</u>			<u>OR</u>	

ENGIN 45	Prop of Mats	(4)	ENGR 45	Engineering Materials	(4)

PREPARATION FOR GRADUATION:

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

ELECTIVE COURSES:

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

MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

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)	COMM 1	Public Speaking	(3)
			OR		
			COMM 1H	Honors Public Speaking	(3)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
	AND			AND	
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
	AND			AND	
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
	AND			AND	
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
	AND			AND	
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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 Elementary Statistics (5)
Same as: STATIST 13Y | OR
| MATH 12H Honors Elementary (5)
| | Statistics
| OR
| PSYCH 2A Statistics for (3)
| | Behavioral Sciences

NUTR 10 Discoveries and Concepts (3) | CAHM 20 Nutrition (3)

RECOMMENDED FOR STUDENTS INTENDING TO PURSUE GRADUATE OR PROFESSIONAL STUDIES:

CHEM 118C Org Chem, Hlth & Sci (4) | CHEM 12B & Organic Chemistry II (3)
| CHEM 12BL Organic Chemistry (2)
| | Laboratory II
| OR
| OR
CHEM 128C Organic Chemistry (3) | CHEM 12B Organic Chemistry II (3)
| AND
| AND
CHEM 129B Organic Chem Lab (2) | CHEM 12AL & Organic Chemistry (2)
| | Laboratory I
| CHEM 12BL Organic Chemistry (2)
| | Laboratory II
| AND
| AND
CHEM 129C Organic Chem Lab (2) | CHEM 12BL Organic Chemistry (2)
| | Laboratory II

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

College Foreign Language Requirement Note:

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

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

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

FRENCH 1	Elementary French	(5)	FR 1	Elementary French I	(5)
FRENCH 2	Elementary French	(5)	FR 1 &	Elementary French I	(5)
			FR 2	Elementary French II	(5)
FRENCH 3	Elementary French	(5)	FR 2	Elementary French II	(5)
FRENCH 21	Intermed French	(5)	FR 3	Intermediate French I	(5)
FRENCH 22	Intermed French	(5)	NO COURSE ARTICULATED:	College has not	
			submitted course(s)	for articulation	
FRENCH 23	Intermed French	(5)	NO COURSE ARTICULATED:	College has not	
			submitted course(s)	for articulation	

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

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

Education(GE) Note:

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

College Foreign Language Requirement Note:

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

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

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

WOM STD 50	Intro Gender Studies	(4)	WS 1	Introduction to Women's Studies	(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 2	Introduction to Anthropology: Cultural	(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)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)	HIST 21A	Chicano History to 1865	(3)
			OR		
			HIST 21AH	Honors Chicano History to 1865	(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)	ENGL 1B	Composition and Literature	(3)

				<u>OR</u>			
				ENGL 1BH	Honors Composition	(3)	
					and Literature		
				<u>OR</u>			
				ENGL 1BMC	Composition and	(3)	
					Literature:		
					Multicultural		
					Emphasis		
HISTORY 72A	Am Women & Gender	(4)	HIST 14	Women in America		(3)	
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE				
HISTORY 85	Nat,Man&Mach/Amer	(4)	NO COMPARABLE COURSE				
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE				
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE				
POL SCI 7	Law & Politics	(4)	NO COMPARABLE COURSE				
PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology		(3)	
			<u>OR</u>				
			PSYCH 1H	Honors General		(3)	
				Psychology			
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	(4)	NO COURSE ARTICULATED: College has not				
	Culture		submitted course(s) for articulation				
	Same as: ANTHRO 32						
SOCIOLOG 2	Self and Society	(4)	NO COMPARABLE COURSE				
SOCIOLOG 3	Social Problems	(4)	SOC 2	Contemporary Social		(3)	
				Problems			
			<u>OR</u>				
			SOC 2H	Honors Contemporary		(3)	
				Social Problems			
SOCIOLOG 11	Sociology of Labor and	(4)	NO COURSE ARTICULATED: College has not				
	Employment		submitted course(s) for articulation				
SOCIOLOG 30A	Multicultural Societies	(3)	NO COMPARABLE COURSE				
SOCIOLOG 30B	Multicultural Societies	(3)	NO COMPARABLE COURSE				
TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE				
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE				
	Formerly UWRITING 19						
WOM STD 20	Cult Repr of Gndr	(4)	NO COURSE ARTICULATED: College has not				
			submitted course(s) for articulation				

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50

for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A Intro Biology:Life on (5)|BIO 9A Molecular, Cellular, and (5)

BIOLSCI 2B	Earth Intro Biology: Ecology & Evolution	(5)	BIO 9B	Animal Biology Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3)
OR			OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(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 5C	Analytic Geometry and	(5)
				Calculus III	

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 20 Historical Geology (4)
GEOLOGY 3L History of Life Lab (1) | GEOL 20 Historical Geology (4)
j) GEOLOGY 50 Physical Geology (3) | GEOL 10 Physical Geology (4)
j) GEOLOGY 50L Physical Geol Lab (2) | GEOL 10 Physical Geology (4)

GEOLOGY 60	Earth Materials: Intro	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A	& General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 2A	& General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A	& General Physics I	(4)
			PHYS 2B	General Physics II	(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	Elementary Statistics	(5)
	Same as: STATIST 13Y		<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
			<u>OR</u>		
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted for UC Davis's GEOLOGY 1 or 50+50L, not both.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

GEOLOGY 3	History of Life	(3)	GEOL 20	Historical Geology	(4)
GEOLOGY 3L	History of Life Lab	(1)	GEOL 20	Historical Geology	(4)
j) GEOLOGY 50	Physical Geology	(3)	GEOL 10	Physical Geology	(4)
j) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 10	Physical Geology	(4)
GEOLOGY 60	Earth Materials:Intro	(4)	NO COMPARABLE COURSE		
GEOLOGY 62	Optical Mineralogy	(2)	NO COMPARABLE COURSE		

MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

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

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

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

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

GEOCHEMISTRY/PETROLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)

QUANTITATIVE/GEOPHYSICS OPTION:

MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted 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)		GRMN 1	Elementary German I	(5)
GERMAN 2	Elementary German	(5)		GRMN 2	Elementary German II	(5)
GERMAN 3	Elementary German	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GERMAN 20	Intermediate German	(4)		NO COMPARABLE COURSE		
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 (1)|NO COURSE ARTICULATED: College has not

Bio		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)	BIO 9A Molecular, Cellular, and Animal Biology (5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B Ecology, Evolution, and Plant Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & Molecular, Cellular, and Animal Biology (5) BIO 9B Ecology, Evolution, and Plant Biology (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry I (5) CHEM 1B General Chemistry II (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B General Chemistry II (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & Organic Chemistry I (3) CHEM 12AL Organic Chemistry Laboratory I (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & Organic Chemistry II (3) CHEM 12BL Organic Chemistry Laboratory II (2)
	OR		OR
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & Organic Chemistry I (3) CHEM 12AL Organic Chemistry Laboratory I (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & Organic Chemistry I (3) CHEM 12AL & Organic Chemistry Laboratory I (2) CHEM 12B & Organic Chemistry II (3) CHEM 12BL Organic Chemistry Laboratory II (2)
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 I (4) PHYS 2B General Physics II (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & General Physics I (4) PHYS 2B General Physics II (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 Elementary Statistics (5)
	Same as: STATIST 13Y		<u>OR</u>
			MATH 12H Honors Elementary Statistics (5)
			<u>OR</u>
			PSYCH 2A Statistics for (3)

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 COURSE ARTICULATED: College has not submitted course(s) for articulation	
HISTORY 9A	East Asian Civ	(4)	HIST 19B Introduction to Chinese History	(3)
HISTORY 9B	East Asian Civ	(4)	HIST 19C Introduction to Japanese History	(3)

C. EUROPE

HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE	
HISTORY 4B	Western Civ	(4)	HIST 4A Survey of Western Civilization to 1648	(3)
HISTORY 4C	Western Civ	(4)	HIST 4B Survey of Western Civilization-1648 to Late 20th Century	(3)

D. LATIN AMERICA

HISTORY 7A	Latin America to 1700	(4)	HIST 16A Latin America to 1825	(3)
HISTORY 7B	Latin America 1700-1900	(4)	HIST 16A & Latin America to 1825	(3)
			HIST 16B Latin America since 1825	(3)
HISTORY 7C	Latin America 1900-Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

E. MIDDLE EAST

HISTORY 6	Intro to Middle East	(4)	NO COMPARABLE COURSE	
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F. UNITED STATES

HISTORY 17A	U.S. History	(4)	HIST 17A United States History to 1865	(3)
HISTORY 17B	U.S. History	(4)	HIST 17B United States History since 1865	(3)
HISTORY 18A	Race in America to 1865	(4)	NO COURSE ARTICULATED	
HISTORY 72A	Am Women & Gender	(4)	HIST 14 Women in America	(3)
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE	
HISTORY 80	US in the Middle East	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
HISTORY 85	Nat, Man & Mach/Amer	(4)	NO COMPARABLE COURSE	

G. WORLD

HISTORY 1	Introduction to History	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
HISTORY 2	Intro History of Science	(4)	NO COURSE ARTICULATED	
HISTORY 3	Cities: Survey of World Cultures	(4)	NO COMPARABLE COURSE	
HISTORY 10A	World History to 1350	(4)	HIST 2A World History to 1500	(3)
HISTORY 10B	World History 1350-1850	(4)	NO COMPARABLE COURSE	
HISTORY 10C	World History III	(4)	HIST 2B World History: 1500 to Present	(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	

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:

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

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

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

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

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

ASSIST for more information about UC Davis GE.

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

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

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

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

Select two of the following courses:

ANTHRO 1	Human Evol Biol	(4)	ANTHR 1	Introduction to Anthropology: Biological	(3)
			OR		
			ANTHR 1H	Honors Introduction to Anthropology: Biological	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
ANTHRO 15	Human Life Cycle	(5)	NO COMPARABLE COURSE		

Select one course from:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
	OR		OR		
BIOLSCI 10	Everyday Biology	(4)	BIO 11A	General 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		

Select one course from:

HISTORY 17A	U.S. History	(4)	HIST 17A	United States History to 1865	(3)
	OR		OR		
HISTORY 17B	U.S. History	(4)	HIST 17B	United States History since 1865	(3)
	OR		OR		
HISTORY 72A	Am Women & Gender	(4)	HIST 14	Women in America	(3)
	OR		OR		
HISTORY 72B	Am Women & Gender	(4)	NO COMPARABLE COURSE		
	OR		OR		
POL SCI 1	Amer Natl Govt	(4)	PS 1	Introduction to Government	(3)

Select two of the following courses:

PHILOS 5	Critical Reasoning	(4)	PHILO 49	Introduction to Critical Thinking	(3)
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE		
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE		
PHILOS 38	Intro Philos of Biol	(4)	NO COMPARABLE COURSE		

NE PH B 10	Elem Human Physio	(3)	BIO 5	Human Physiology	(4)
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PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			<u>OR</u>		
			PSYCH 1H	Honors General Psychology	(3)

Select one of the following options:

PSYCH 41	Research Methods	(4)	PSYCH 2B	Research Methods in Psychology	(4)
	<u>OR</u>		<u>OR</u>		
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	<u>AND</u>		<u>AND</u>		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
STATIST 10	Statist Thinking	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>		<u>OR</u>		
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

END OF MAJOR

====Hydrology B.S.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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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.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)
j) GEOLOGY 50	Physical Geology	(3)	GEOL 10	Physical Geology	(4)
j) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 10	Physical Geology	(4)
ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted 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:

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

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

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)		NO COMPARABLE COURSE	
SOILSCI 10	Soils in Our	(3)		HORT 2	Soil Science & Mgmt (4)

Environment

ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
AND					
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
OR			OR		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
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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)	CAHM 20	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)	HORT 71	Organic Food Production	(4)

FOREIGN LANGUAGE REQUIREMENT:

Students must complete 15-quarter-unit level in one language or pass the foreign language proficiency examination. See <http://11c.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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)

TRADE AND ECONOMIC DEVELOPMENT OPTION:

MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to	(3)

Sociology: Understanding Society

OR

SOC 1H Honors Introduction to Sociology: Understanding Society (3)

OR

ANTHRO 2 Cultural Anthropology (5)

OR

ANTHR 2 Introduction to Anthropology: Cultural (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)

BIO 9A Molecular, Cellular, and Animal Biology (5)

BIOLSCI 2B Intro Biology: Ecology & Evolution (5)

BIO 9B Ecology, Evolution, and Plant Biology (5)

ENV S&P 1 Env Analysis (4)

ES 10 Introduction to Environmental Science (3)

RURAL COMMUNITIES OPTION:

SOCIOL 1 Intro Sociology (5)

SOC 1 Introduction to Sociology: Understanding Society (3)

OR

SOC 1H Honors Introduction to Sociology: Understanding Society (3)

ANTHRO 2 Cultural Anthropology (5)

ANTHR 2 Introduction to Anthropology: Cultural (3)

END OF MAJOR

====International Relations A.B.====

Special Advising Note:

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complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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 2	Introduction to Anthropology: Cultural	(3)
	OR			OR	
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
HISTORY 4C	Western Civ	(4)	HIST 4B	Survey of Western Civilization-1648 to Late 20th Century	(3)
	OR			OR	
HISTORY 10C	World History III	(4)	HIST 2B	World History: 1500 to Present	(3)
POL SCI 2	Intro Comp Politics	(4)	PS 2	Comparative Government	(3)
POL SCI 3	Internatl Relations	(4)	PS 3	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		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y			OR	
			MATH 12H	Honors Elementary Statistics	(5)
				OR	
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
	OR			OR	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
POL SCI 51	Scientific Study of Politics	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

FOREIGN LANGUAGE: ONE OF THE FOLLOWING SERIES IN A SINGLE LANGUAGE, OR CERTIFIED FLUENCY AT THE HIGHEST LEVEL REQUIRED BELOW:

Note: The language curricula are subject to change; please check with an

advisor for the major. A language not listed below may be substituted **only with prior written approval of the International Relations Program Committee.**

ARABIC 1	Elementary Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 2	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not 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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 2	Elem Chinese	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
x) CHINESE 3	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 4	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 5	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 6	Inter Chinese	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1CN	Mand/Cant Spkrs I	(5)	NO COMPARABLE COURSE
x) CHINESE 2CN	Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE
x) CHINESE 3CN	Mand/Cant Spkrs III	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1BL	Accl Wrtn Chinese I	(5)	NO COMPARABLE COURSE
x) CHINESE 2BL	Accl Wrtn Chinese II	(5)	NO COMPARABLE COURSE
x) CHINESE 3BL	Accl Wrtn Chinese III	(5)	NO COMPARABLE COURSE
	OR		OR
FRENCH 1	Elementary French	(5)	FR 1 Elementary French I (5)
FRENCH 2	Elementary French	(5)	FR 1 & Elementary French I (5)
			FR 2 Elementary French II (5)
FRENCH 3	Elementary French	(5)	FR 2 Elementary French II (5)
FRENCH 21	Intermed French	(5)	FR 3 Intermediate French I (5)
FRENCH 22	Intermed French	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
GERMAN 1	Elementary German	(5)	GRMN 1 Elementary German I (5)
GERMAN 2	Elementary German	(5)	GRMN 2 Elementary German II (5)
GERMAN 3	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 20	Intermediate German	(4)	NO COMPARABLE COURSE
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 I (5)
ITALIAN 2	Elementary Italian	(5)	ITAL 1 & Elementary Italian I (5)
			ITAL 2 Elementary Italian II (5)
ITALIAN 3	Elementary Italian	(5)	ITAL 2 Elementary Italian II (5)
ITALIAN 4	Interm Italian	(4)	ITAL 3 Intermediate Italian I (5)
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE
OR			OR
ITALIAN 1	Elementary Italian	(5)	ITAL 1 Elementary Italian I (5)
ITALIAN 2	Elementary Italian	(5)	ITAL 1 & Elementary Italian I (5)
			ITAL 2 Elementary Italian II (5)
ITALIAN 3	Elementary Italian	(5)	ITAL 2 Elementary Italian II (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 2 Elementary Japanese II (5)
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 3	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 4	Inter Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 5	Inter Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 6	Inter Japanese	(5)	NO COMPARABLE COURSE
OR			OR
PORTUG 1	Elementary Portuguese	(5)	NO 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 COMPARABLE COURSE
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)		SPAN 16	Elementary Spanish for	(4)
					Spanish Speakers I	
SPANISH 32	Int Span Nat Spk II	(5)		SPAN 16 &	Elementary Spanish for	(4)
					Spanish Speakers I	
				SPAN 17	Elementary Spanish for	(4)
					Spanish Speakers II	
SPANISH 33	Int Span Nat Spk III	(5)		SPAN 17	Elementary Spanish for	(4)
					Spanish Speakers II	

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 I	(5)
ITALIAN 2	Elementary Italian	(5)	ITAL 1 &	Elementary Italian I	(5)
			ITAL 2	Elementary Italian II	(5)
ITALIAN 3	Elementary Italian	(5)	ITAL 2	Elementary Italian II	(5)
ITALIAN 4	Interm Italian	(4)	ITAL 3	Intermediate Italian I	(5)
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE		
ITALIAN 9	Reading Italian	(4)	ITAL 10	Italian Conversation	(3)

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 2	Elementary Japanese II	(5)
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 3	Elem Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 4	Inter Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 5	Inter Japanese	(5)	NO COMPARABLE COURSE		
y) JPNESE 6	Inter Japanese	(5)	NO COMPARABLE COURSE		

RECOMMENDED COURSES FOR THIS MAJOR:

JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE		
JPNESE 25	Language & Culture (in English)	(4)	NO COMPARABLE COURSE		
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE		
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE		
CHINESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE		
Same as: JPNESE 50					
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE		
HISTORY 9B	East Asian Civ	(4)	HIST 19C	Introduction to Japanese History	(3)

END OF MAJOR

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

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses

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

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

PRE-MAJOR REQUIREMENT:

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			<u>OR</u>		
			COMM 1H	Honors Public Speaking	(3)
<hr/>					
ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
	<u>OR</u>			<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMC	College Composition: Multicultural Emphasis	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMCH	Honors College Composition: Multicultural Emphasis	(3)
			Same as:		
	<u>OR</u>			<u>OR</u>	

UWRITING 48	Style in the Essay	(4)	NO COMPARABLE COURSE
	Formerly UWRITING 18		
	OR		OR
UWRITING 49	Writing Research Papers	(4)	NO COMPARABLE COURSE
	Formerly UWRITING 19		

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B Ecology, Evolution, and Plant Biology (5)
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ENVHORT 6	Intro Environ Plants	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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ONE COURSE FROM THE FOLLOWING:

MATH 16A	Short Calculus	(3)	MATH 18 Business Calculus (4)
			OR
			MATH 5A Analytic Geometry and Calculus I (5)
STATIST 13	Elementary Statistics	(4)	MATH 12 Elementary Statistics (5)
	Same as: STATIST 13Y		OR
			MATH 12H Honors Elementary Statistics (5)
			OR
			PSYCH 2A Statistics for Behavioral Sciences (3)
ENG CS 32A	Intro to Programming(4)		NO COMPARABLE COURSE
	Formerly ENG CS 10		

ONE COURSE FROM THE FOLLOWING:

CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry I (5)
CHEM 10	Concept of Chem	(4)	CHEM 10 Concepts of Chemistry (4)
PHYSICS 1A	Principles Physics	(3)	PHYS 11 Elementary Physics (4)
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 10 Introduction to Physics (3)
j) GEOLOGY 1	The Earth	(4)	GEOL 10 Physical Geology (4)
SOILSCI 10	Soils in Our Environment	(3)	HORT 2 Soil Science & Mgmt (4)

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

Two courses in Arts and Humanities selected from the UC Davis GE/Breadth Articulation Agreement TB: Arts and Humanities (www.ASSIST.org 16-17 agreement)

Two courses in Social Sciences selected from the UC Davis GE/Breadth Articulation Agreement TB: Social Sciences.

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted 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) | NO COMPARABLE COURSE

FOREIGN LANGUAGE: One course beyond the 15 quarter unit requirement of the College of Letters and Science, in the same language used to fulfill the college requirement

END OF MAJOR

====Managerial Economics B.S.====

Special Advising Note:

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

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

Special Advising Note for Future Applicants*

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

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

Strive to achieve your highest possible GPA in order to be most competitive. Transfer students must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50 for the course groups. Additionally, transfer applicants must have already achieved the required GPA in any of these courses that have been completed at the time the transfer academic update is submitted. Courses must be taken for a letter grade, with no grade less than C. (Advanced Placement(AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents).

- Mathematics 16A/B or Mathematics 17A/B or Mathematics 21A/B
- Economics 1A/B
- Statistics 13

*Information for future applicants is subject to change.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)		COMM 1	Public Speaking	(3)
				OR		
				COMM 1H	Honors Public Speaking	(3)
	OR			OR		
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		COMM 7	Interpersonal Communications	(3)

AGRESEC 18	Business Law	(4)		BUS 18	Business Law	(4)

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

PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE		
	OR			OR		
B) ENG CS 15	Intro to Computers	(4)		CS 1 &	Introduction to Computers and Computer Technology	(3)
				CS 1L	Technology Tools	(2)

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

deficiencies.

MGMT 11A	Elem Accounting	(4)	ACCT 1A	Financial Accounting	(4)
MGMT 11B	Elem Accounting	(4)	ACCT 1B	Managerial Accounting	(4)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	<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	
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5)

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

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)

	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(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	Physics for Scientists	(5)

PHYSICS 9B	Classical Physics	(5)		PHYS 4C	and Engineers I Physics for Scientists	(5)
PHYSICS 9C	Classical Physics	(5)		PHYS 4B	and Engineers III Physics for Scientists	(5)
					and Engineers II	

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COMPARABLE COURSE		
GEOLOGY 16	The Oceans	(3)		OCEAN 10	Introduction to Oceanography	(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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and Plant Biology	(5)

CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry I	(5)

CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
	AND			AND	
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COMPARABLE COURSE		
GEOLOGY 16	The Oceans	(3)	OCEAN 10	Introduction to Oceanography	(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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

MATH 16A	Short Calculus	(3)		MATH 18	Business Calculus	(4)
				OR		
				MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)		MATH 5B	Analytic Geometry and Calculus II	(5)
	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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III	(5)

PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics I	(4)
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PHYSICS 7B	General Physics	(4)	PHYS 2B	General Physics II	(4)
			PHYS 2A &	General Physics I	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2B	General Physics II	(4)
			PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COMPARABLE COURSE		
GEOLOGY 16	The Oceans	(3)	OCEAN 10	Introduction to Oceanography	(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)	BIOLSCI 2A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 2B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 2C	Molecular, Cellular, and Animal Biology	(5)
			BIOLSCI 2C	Ecology, Evolution, and Plant Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 2A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 2B	General Chemistry I	(5)
			CHEM 2B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 2C	General Chemistry II	(5)

MATH 16A	Short Calculus	(3)	MATH 16A	Business Calculus	(4)
			OR		
			MATH 16A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 16B	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 16C	Analytic Geometry and Calculus II	(5)
	OR			OR	
MATH 17A	Calculus for BioSci	(4)	MATH 17A	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	MATH 17B	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	MATH 17C	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
MATH 21A	Calculus	(4)	MATH 21A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 21B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 21C	Analytic Geometry and Calculus III	(5)

PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)		PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)		PHYS 4B	Physics for Scientists and Engineers II	(5)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COMPARABLE COURSE		
GEOLOGY 16	The Oceans	(3)		OCEAN 10	Introduction to Oceanography	(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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
	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 5C	Analytic Geometry and	(5)

MATH 22B	Differntl Equations	(3)		Calculus III	
				MATH 7	Introduction to (3)
					Differential Equations
MATH 22AL	Lin Alg Comp Lab	(1)		ENGR 30	Computer Applications (4)
					in Engineering

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

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)		NO 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)		ENGR 30	Computer Applications (4)
					in Engineering

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](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.

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30	Computer Applications in Engineering	(4)

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

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COMPARABLE COURSE		
	OR		OR		
ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)

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

STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)		MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22B	Differntl Equations	(3)		MATH 7	Introduction to Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)		ENGR 30	Computer Applications in Engineering	(4)

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

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming	(4)		NO COMPARABLE COURSE		
	Formerly ENG CS 10					
	OR			OR		
ENGIN 6	Engr Prob Solving	(4)		ENGR 30	Computer Applications in Engineering	(4)

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

**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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	ENGR 30	Computer Applications in Engineering	(4)

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

OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ENG CS 32A	Intro to Programming(4) Formerly ENG CS 10		NO COMPARABLE COURSE		
OR			OR		
ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)

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

PLAN 1: GENERAL MATHEMATICS

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
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PLAN 2: MATHEMATICS FOR SECONDARY TEACHING

PHYSICS 7A	General Physics	(4)	PHYS 2A & 2B	General Physics I & II	(4)
OR			OR		
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
OR			OR		
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		

		PSYCH 2A	Statistics for	(3)
			Behavioral Sciences	
	OR		OR	
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not	
			submitted course(s) for articulation	

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)	<table border="0"> <tr> <td>AH 12 &</td> <td>Middle Ages:</td> <td>(3)</td> </tr> <tr> <td></td> <td>Art/Mediterranean World and Europe (AD 300-1400)</td> <td></td> </tr> <tr> <td>AH 13</td> <td>Renaissance to Mid-19th Century</td> <td>(3)</td> </tr> </table>	AH 12 &	Middle Ages:	(3)		Art/Mediterranean World and Europe (AD 300-1400)		AH 13	Renaissance to Mid-19th Century	(3)
AH 12 &	Middle Ages:	(3)										
	Art/Mediterranean World and Europe (AD 300-1400)											
AH 13	Renaissance to Mid-19th Century	(3)										
ARTHI 1C	Baroque to Modern Art	(4)	AH 14 Modern Art (3)									
ARTHI 1E	Islamic Art & Architecture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation									
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation									
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									
d) ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 46A Major British Writers 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 Survey of Western Civilization to 1648 (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)	PHILO 6 History of Philosophy: Ancient and Medieval (3)									
PHILOS 22	Phil Classics: Modern	(4)	PHILO 7 History of Philosophy: (3)									

Language proficiency is a desideratum; courses in Latin and other European languages are strongly recommended, particularly for students planning to pursue graduate studies in the medieval or early modern field.

 END OF MAJOR

d) If a student takes ENGL 46A at Cabrillo College, credit will be given for UC Davis's ENGLISH 10A or ENGLISH 10B, not both.

====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)	BIOLSCI 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 9A & 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and	(5)

Plant Biology

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3)
OR					
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3)

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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(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 5C Analytic Geometry and (5)
Calculus III

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

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

|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)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 2B	Keyboard Competence	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 2C	Keyboard Competence	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.

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

MUSIC 6A	Elementary Theory	(3)	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)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 16B	Elem Musicianship	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 16C	Elem Musicianship	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.

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

MUSIC 17A	Intermediate Musicianship	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 17B	Intermediate Musicianship	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.
MUSIC 17C	Intermediate Musicianship	(2)	CREDIT TO BE DETERMINED BY UC DAVIS MUSIC DEPARTMENT'S PLACEMENT EXAMS.

**STUDENTS MAY PASS OUT OF ONE OR MORE QUARTERS OF MUSIC 17A-C
THROUGH EXAMINATION**

MUSIC 24A	Intro Music History	(3)	NO COMPARABLE COURSE
MUSIC 24B	Intro Music History	(3)	NO COMPARABLE COURSE
MUSIC 24C	Intro Music History	(3)	NO COMPARABLE COURSE

END OF MAJOR

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

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to

fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE
	OR		OR
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation

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 2 Introduction to (3)

		Anthropology: Cultural	
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 21A Chicano History to 1865 (3)
OR			
			HIST 21AH Honors Chicano History to 1865 (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)	NO COMPARABLE COURSE
ENV S&P 10	Current Issues in Environment	(3)	NO COMPARABLE COURSE
ENV S&P 10 not open for credit to students who have completed ENV S&P 1			
HISTORY 7A	Latin America to 1700	(4)	HIST 16A Latin America to 1825 (3)
HISTORY 7B	Latin America 1700-1900	(4)	HIST 16A & Latin America to 1825 (3)
			HIST 16B Latin America since 1825 (3)
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 United States History to 1865 (3)
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE

END OF MAJOR

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

IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

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

END OF MAJOR

====Neurobiology, Physiology and Behavior B.S.====

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.50

for each of the three course groups. It is recommended that candidates have already achieved the minimum required GPAs for the courses in the groups below that have been completed by the time of application and maintain them through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A Intro Biology:Life on (5)|BIO 9A Molecular, Cellular, and (5)

BIOLSCI 2B	Earth Intro Biology: Ecology & Evolution	(5)	BIO 9B	Animal Biology Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)

OR					
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)

CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3) (2) (3) (2)
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CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)
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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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 2A & PHYS 2B	General Physics I General Physics II	(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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

OR

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)

OR

CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)

NUTR 10	Discoveries and Concepts	(3)	CAHM 20	Nutrition	(3)
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PSYCH 41	Research Methods	(4)	PSYCH 2B	Research Methods in Psychology	(4)
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OR

SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
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The remaining preparatory subject matter is based on which major option you choose:

NUTRITIONAL BIOLOGY OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR			OR	
PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			OR		
			PSYCH 1H	Honors General Psychology	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			OR		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems	(3)
			OR		
			SOC 2H	Honors Contemporary Social Problems	(3)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

NUTRITION IN PUBLIC HEALTH OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			OR		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems	(3)
			OR		
			SOC 2H	Honors Contemporary Social Problems	(3)

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

PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			OR		
			PSYCH 1H	Honors General 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

Cultural Diversity and Community Change Area:

AMR STD 55 Food in Amer Culture (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as: FD S&T 55
CM&RGDE 2 Ethnicity Amer Comm (4) | NO COMPARABLE COURSE
INT AG 10 Intro Intl Ag (4) | NO COMPARABLE COURSE
Development

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

PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists	(5)

PHYSICS 9C	Classical Physics	(5)	PHYS 4B	and Engineers III Physics for Scientists and Engineers II	(5)
MATH 16A	Short Calculus	(3)	MATH 18 <u>OR</u> MATH 5A	Business Calculus Analytic Geometry and Calculus I	(4) (5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 17A	<u>OR</u> Calculus for BioSci	(4)	NO COURSE	<u>OR</u> 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 21A	<u>OR</u> Calculus	(4)	MATH 5A	<u>OR</u> Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	<u>OR</u> Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A & BIO 9B	<u>OR</u> Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5) (5)
STATIST 13	Elementary Statistics	(4)	MATH 12 <u>OR</u> MATH 12H	Elementary Statistics Honors Elementary Statistics	(5) (5)
	Same as: STATIST 13Y		PSYCH 2A	Statistics for Behavioral Sciences	(3)
STATIST 32	<u>OR</u> Gateway to Data Science	(4)	NO COURSE	<u>OR</u> ARTICULATED: College has not submitted course(s) for articulation	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3) (2) (3) (2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)
CHEM 128A	<u>OR</u> Organic Chemistry	(3)	CHEM 12A	<u>OR</u> Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I	(3)

			CHEM 12B	Organic Chemistry II	(3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II	(3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 129C	Organic Chem Lab	(2)	CHEM 12BL	Organic Chemistry Laboratory II	(2)

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 12 Symbolic Logic (3)

AND ONE COURSE FROM ANY THREE OF THE FOLLOWING AREAS

a. GENERAL PHILOSOPHY

PHILOS 1 Intro to Philos (4) | PHILO 4 Introduction to Philosophy (3)
| OR
| PHILO 9 Philosophy of Mind (3)

b. ANCIENT PHILOSOPHY

PHILOS 21 Phil Classics: Ancient (4) | PHILO 6 History of Philosophy: Ancient and Medieval (3)

c. EARLY MODERN PHILOSOPHY

PHILOS 22 Phil Classics: Modern (4) | PHILO 7 History of Philosophy: Modern (3)

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:

PHILOS 14 Eth Soc Prob in Soc (4) | NO COMPARABLE COURSE
OR | OR
PHILOS 15 Intro to Bioethics (4) | NO COMPARABLE COURSE
OR | OR
PHILOS 24 Intro to Ethics (4) | PHILO 10 Ethics (3)
| OR
| PHILO 10H Honors Ethics (3)

f. PHILOSOPHY OF SCIENCE

PHILOS 30 Intro Philos of Sci (4) | NO COMPARABLE COURSE
OR | OR
PHILOS 31 Scientific Reason (4) | NO COMPARABLE COURSE
OR | OR
PHILOS 32 Scientific Change (4) | NO COMPARABLE COURSE
OR | OR
PHILOS 38 Intro Philos of Biol (4) | NO COMPARABLE COURSE

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:

PHILOS 14 Eth Soc Prob in Soc (4) | NO COMPARABLE COURSE
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:

PHILOS 5	Critical Reasoning	(4)		PHILO 49	Introduction to	(3)
					Critical Thinking	
PHILOS 12	Intro to Symbol Logic	(4)		PHILO 12	Symbolic Logic	(3)
PHILOS 24	Intro to Ethics	(4)		PHILO 10	Ethics	(3)
				<u>OR</u>		
				PHILO 10H	Honors Ethics	(3)

PRE-MED EMPHASIS:

ONE COURSE FROM THE FOLLOWING:

PHILOS 24	Intro to Ethics	(4)		PHILO 10	Ethics	(3)
				<u>OR</u>		
				PHILO 10H	Honors Ethics	(3)
PHILOS 30	Intro Philos of Sci	(4)		NO COMPARABLE COURSE		
PHILOS 31	Scientific Reason	(4)		NO COMPARABLE COURSE		
PHILOS 32	Scientific Change	(4)		NO COMPARABLE COURSE		

ALL OF THE FOLLOWING COURSES:

PHILOS 12	Intro to Symbol Logic	(4)		PHILO 12	Symbolic Logic	(3)
PHILOS 15	Intro to Bioethics	(4)		NO COMPARABLE COURSE		
PHILOS 38	Intro Philos of Biol	(4)		NO COMPARABLE COURSE		

END OF MAJOR

====Physics A.B.====

Special Advising Note:

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

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

Special Advising Note for future applicants:*

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

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

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

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

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)
OR			OR		
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE		
<hr/>					
MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

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.

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

PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)
	OR			OR	
PHYSICS 9HA	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HB	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HC	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HD	Honors Physics	(5)	NO COMPARABLE COURSE		
PHYSICS 9HE	Honors Physics	(5)	NO COMPARABLE COURSE		

MATH 21A	Calculus	(4)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)

PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		
PHYSICS 80	Experimental Techniques	(4)	NO COURSE ARTICULATED		

ASTROPHYSICS EMPHASIS

Preparatory subject matter for the B.S. Astrophysics Emphasis is the same as that listed above. In addition, the following course is RECOMMENDED but not required:

ASTRON 25	Intro to Modern Astronomy & Astrophy	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
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END OF MAJOR

====Plant Biology A.B.====

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

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

Applicants to majors in the College of Biological Sciences apply to the major,

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry	(2)

			Laboratory II	
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics (5)
Same as: STATIST 13Y			<u>OR</u>	
			MATH 12H	Honors Elementary Statistics (5)
			<u>OR</u>	
			PSYCH 2A	Statistics for Behavioral Sciences (3)

RECOMMENDED COURSES:

CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II (5)
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END OF MAJOR

====Plant Biology B.S.====

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

* Students planning for the major biochemistry and molecular biology should complete Organic Chemistry 118A/B/C rather than 8A/B. Students planning for the

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

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

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

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Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG 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)	BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
						BIO 9B	Ecology, Evolution, and Plant Biology	(5)
<hr/>								
CHEM 2A	Genl Chemistry	(5)	CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
						CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
<hr/>								
CHEM 8A	Organic Chem-Brief	(2)	CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
						CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
						CHEM 12BL	Organic Chemistry	(2)

					Laboratory II	
	OR				OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	&	Organic Chemistry I	(3)
			CHEM 12AL		Organic Chemistry	(2)
					Laboratory I	
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A	& 	Organic Chemistry I	(3)
			CHEM 12AL	& 	Organic Chemistry	(2)
					Laboratory I	
			CHEM 12B	&	Organic Chemistry II	(3)
			CHEM 12BL		Organic Chemistry	(2)
					Laboratory II	
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B	&	Organic Chemistry II	(3)
			CHEM 12BL		Organic Chemistry	(2)
					Laboratory II	

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 5A		Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B		Analytic Geometry and Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 2A	&	General Physics I	(4)
			PHYS 2B		General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A	&	General Physics I	(4)
			PHYS 2B		General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A	&	General Physics I	(4)
			PHYS 2B		General Physics II	(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 5C		Analytic Geometry and Calculus III

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)	BIOLSCI 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOLSCI 9B	Ecology, Evolution, and Plant Biology	(5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
	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)	PHYS 11	Elementary Physics	(4)
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(4)

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

Davis, and will need to meet with a UC Davis advisor before continuing with physics.

ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE
	OR		OR
PL SCI 49	Org Crop Prod Prac	(3)	HORT 71 Organic Food Production (4) 1

COURSES FOR THE CROP PRODUCTION OPTION:

ECON 1A	Princ of Microecon	(4)	ECON 1B Introduction to 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) | PS 1 Introduction to Government (3)

THREE COURSES FROM THE FOLLOWING:

POL SCI 2 Intro Comp Politics (4) | PS 2 Comparative Government (3)
 POL SCI 3 Internatl Relations (4) | PS 3 International Relations (3)
 POL SCI 4 Bas Cnpt/Pol Thry (4) | PS 5 American Political Thought (3)
 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

ONE COURSE FROM THE FOLLOWING:

POL SCI 12Y Data Visualization (4) | NO COURSE ARTICULATED: College has not Same as: COMUNCN 12Y, PSYCH 12Y | submitted course(s) for articulation
 SOCIOL 12Y
 STATIST 13 Elementary Statistics (4) | MATH 12 Elementary Statistics (5)
 Same as: STATIST 13Y | OR
 MATH 12H Honors Elementary Statistics (5)
 | OR
 PSYCH 2A Statistics for Behavioral Sciences (3)
 STATIST 32 Gateway to Data Science (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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)	PS 1	Introduction to Government	(3)
POL SCI 2	Intro Comp Politics	(4)	PS 2	Comparative Government	(3)
POL SCI 3	Internatl Relations	(4)	PS 3	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought	(3)

ONE COURSE FROM THE FOLLOWING:

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

POL SCI 1	Amer Natl Govt	(4)	PS 1	Introduction to Government	(3)
POL SCI 2	Intro Comp Politics	(4)	PS 2	Comparative Government	(3)
POL SCI 3	Internatl Relations	(4)	PS 3	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought	(3)
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	Elementary Statistics	(5)
	Same as: STATIST 13Y				

OR

MATH 12H	Honors Elementary Statistics	(5)
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OR

PSYCH 2A	Statistics for Behavioral Sciences	(3)
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OR

OR

STATIST 32 Gateway to Data Science (4) | NO COURSE ARTICULATED: College has not
| submitted course(s) for articulation

END OF MAJOR

====Psychology A.B.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

Psychology 1;

Statistics 13;

One of these two options:

Biological Sciences 2A,

or

*Biological Sciences 10 and one course from:

Anthropology 1 or

Molecular and Cellular Biology 10 or

Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major, without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

*Students planning for a B.S. degree in psychology with biological emphasis are encouraged to complete Biological Sciences 2A rather than Biological Sciences 10. Also, although only one biological sciences course is required for admission, students interested in pursuing a B.S. degree with biological emphasis are encouraged to complete the recommended courses shown on ASSIST.

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

enrollment.

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			OR		
			PSYCH 1H	Honors General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYCH 2B	Research Methods in Psychology	(4)
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)

OR A COMBINATION OF

BIOLSCI 10 Everyday Biology (4) | BIO 11A General Biology (4)

AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)		ANTHR 1	Introduction to Anthropology: Biological	(3)
				<u>OR</u>		
				ANTHR 1H	Honors Introduction to Anthropology: Biological	(3)
				<u>OR</u>		
MOL&CB 10	Intro Human Heredity	(4)		NO COMPARABLE COURSE		
				<u>OR</u>		
NE PH B 10	Elem Human Physio	(3)		BIO 5	Human Physiology	(4)

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.

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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.

PSYCH 1	General Psychology	(4)		PSYCH 1	General Psychology	(3)
				<u>OR</u>		
				PSYCH 1H	Honors General Psychology	(3)
PSYCH 41	Research Methods	(4)		PSYCH 2B	Research Methods in Psychology	(4)
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STATIST 13	Elementary Statistics	(4)		MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y			<u>OR</u>		
				MATH 12H	Honors Elementary Statistics	(5)
				<u>OR</u>		
				PSYCH 2A	Statistics for Behavioral Sciences	(3)
<hr/>						
MATH 16A	Short Calculus	(3)		MATH 18	Business Calculus	(4)

			OR			
				MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and Calculus I	(5)
			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			
MATH 21A	Calculus	(4)		MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II	(5)

PHYSICS 10	Topics, Nonscientists	(4)		PHYS 10	Introduction to Physics	(3)
			OR			
PHYSICS 10C	Physics of California	(3)		NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
			OR			
PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(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)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
				BIO 9B	Ecology, Evolution, and Plant Biology	(5)

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

CHEM 8A	Organic Chem-Brief	(2)		CHEM 12A &	Organic Chemistry I	(3)
				CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 12B &	Organic Chemistry II	(3)
				CHEM 12BL	Organic Chemistry Laboratory II	(2)
			OR			
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry I	(3)
				CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 12A &	Organic Chemistry I	(3)
				CHEM 12AL &	Organic Chemistry Laboratory I	(2)
				CHEM 12B &	Organic Chemistry II	(3)
				CHEM 12BL	Organic Chemistry Laboratory II	(2)
			OR			
CHEM 128A	Organic Chemistry	(3)		CHEM 12A	Organic Chemistry I	(3)

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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	General Psychology	(3)
				<u>OR</u>		
				PSYCH 1H	Honors General Psychology	(3)
PSYCH 41	Research Methods	(4)		PSYCH 2B	Research Methods in Psychology	(4)

STATIST 13	Elementary Statistics	(4)		MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y				<u>OR</u>		
				MATH 12H	Honors Elementary Statistics	(5)
				<u>OR</u>		
				PSYCH 2A	Statistics for Behavioral Sciences	(3)

MATH 21A	Calculus	(4)		MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 5C	Analytic Geometry and Calculus III	(5)

ENG CS 36A	Programming	(4)		CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
Formerly ENG CS 30				<u>OR</u>		
				CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
				<u>OR</u>		
				CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
				<u>OR</u>		
				CS 12GP	Introduction to Programming Using Games	(4)

				and Simulations	
			<u>OR</u>		
			CS 20J	Java Programming	(4)
		<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	Concepts of Chemistry	(4)
	<u>OR</u>			<u>OR</u>	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
	<u>OR</u>		CHEM 1B	General Chemistry II	(5)
				<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	(3)
	<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 I	(4)
			PHYS 2B	General Physics II	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIO 11A	General Biology	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTHR 1	Introduction to Anthropology: Biological	(3)
				<u>OR</u>	
			ANTHR 1H	Honors Introduction to Anthropology: Biological	(3)
				<u>OR</u>	
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		
				<u>OR</u>	
NE PH B 10	Elem Human Physio	(3)	BIO 5	Human Physiology	(4)

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)	PHILO 15	Patterns in Comparative Religions	(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)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
REL STD 1E	Fundamentalism	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

REL STD 1F	Religion Today	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1G	Myth Ritual Symbol	(4)	NO COMPARABLE COURSE
REL STD 1H	Sex, Marriage, Divorce	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
REL STD 1J	Music, Voice, Word	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation

FOUR COURSES FROM THE FOLLOWING:

REL STD 5	Comparative Religion	(2)	NO COURSE ARTICULATED
REL STD 6	Intro Health Humanities	(4)	NO COURSE ARTICULATED
REL STD 10	Contemporary Ethical Issues	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 10A	Contemporary Ethical Issues	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 11	Ethical Eating	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation
REL STD 12	Emergence Abrahamic Religions	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE
REL STD 30	South Asian Religions	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE
REL STD 42	Religion and Sci Fiction	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 45	Christianity	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 60	Introduction to Islam	(4)	NO COMPARABLE COURSE
REL STD 65C	The Qur'an and Its Interpretation	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 67	Modern Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
REL STD 68	Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 69	Intro Hindu Mythology	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation
REL STD 70	Religion and Language	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 75	Introduction to Chinese Philosophy	(4)	NO COMPARABLE COURSE
REL STD 80	Religion, Gender, Sex	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

A reading knowledge of a foreign language is highly recommended.

END OF MAJOR

====Russian A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

Students with only one year or less of Russian at the community college level should consult with an advisor in the Russian Department at UC Davis before continuing on with the Russian series.

RUSSIAN 1	Elementary Russian	(5)	NO COMPARABLE COURSE
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:

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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)	ES 10 Introduction to Environmental Science (3)
HUMAN 3	Medicine & Humanities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE
SCI&SOC 2	Feeding the Planet	(3)	NO COMPARABLE COURSE
SCI&SOC 3	Sci,Tech&Society	(4)	NO COMPARABLE COURSE
SCI&SOC 5	Discovery:Sci & Soc	(3)	NO COMPARABLE COURSE
SCI&TEC 32	Drugs, Science and Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as: ANTHRO 32			

4 quarter units of lower-division science courses from the Approved Science Electives list. To see the list, click on <http://sts.ucdavis.edu/undergraduate/sts-major-requirements>

END OF MAJOR

====Sociology A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

College 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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SOCIOL 1	Intro Sociology	(5)		SOC 1	Introduction to Sociology: Understanding Society	(3)
				<u>OR</u>		
				SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)

SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
	AND		AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE
SOCIOL 3	Social Problems	(4)	SOC 2 Contemporary Social Problems (3)
			OR
			SOC 2H Honors Contemporary Social Problems (3)
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COMPARABLE COURSE
SOCIOL 5	Global Soc Change	(4)	SOC 9 Global Society (3)
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 25	Popular Culture	(4)	SOC 10 Sociology of Popular Culture (3)
SOCIOL 30A	Multicultural Societies	(3)	NO COMPARABLE COURSE
SOCIOL 30B	Multicultural Societies	(3)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2 Introduction to Anthropology: Cultural (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 Survey of Western Civilization to 1648 (3)
HISTORY 4C	Western Civ	(4)	HIST 4B Survey of Western Civilization-1648 to Late 20th Century (3)
HISTORY 6	Intro to Middle East	(4)	NO COMPARABLE COURSE
HISTORY 7A	Latin America to 1700	(4)	HIST 16A Latin America to 1825 (3)
HISTORY 7B	Latin America 1700-1900	(4)	HIST 16A & Latin America to 1825 (3)
			HIST 16B Latin America since 1825 (3)
HISTORY 7C	Latin America 1900-Present	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 8	Indian Civilization	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
HISTORY 9A	East Asian Civ	(4)	HIST 19B Introduction to Chinese History (3)
HISTORY 9B	East Asian Civ	(4)	HIST 19C Introduction to Japanese History (3)
HISTORY 10C	World History III	(4)	HIST 2B World History: 1500 to Present (3)
HISTORY 15A	Africa to 1900	(4)	NO COURSE ARTICULATED
HISTORY 15B	Africa Today	(4)	NO COURSE ARTICULATED
HISTORY 17A	U.S. History	(4)	HIST 17A United States History to 1865 (3)
HISTORY 17B	U.S. History	(4)	HIST 17B United States History since 1865 (3)

ONE COURSE FROM THE FOLLOWING:

PHILOS 5	Critical Reasoning	(4)	PHILO 49 Introduction to Critical Thinking (3)
PHILOS 14	Eth Soc Prob in Soc	(4)	NO COMPARABLE COURSE

PHILOS 24	Intro to Ethics	(4)		PHILO 10	Ethics	(3)
				<u>OR</u>		
				PHILO 10H	Honors Ethics	(3)

END OF MAJOR

**====Sociology A.B. (Comparative Studies and World Development)====
Special Advising Note:**

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

SOCIOL 1	Intro Sociology	(5)		SOC 1	Introduction to Sociology: Understanding Society	(3)
				<u>OR</u>		
				SOC 1H	Honors Introduction to Sociology: Understanding	(3)

			Society		
SOCIOL 5	Global Soc Change	(4)	SOC 9	Global Society	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND		AND		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR		OR		
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE		
HISTORY 10C	World History III	(4)	HIST 2B	World History: 1500 to Present	(3)
	OR		OR		
POL SCI 2	Intro Comp Politics	(4)	PS 2	Comparative Government	(3)

Course work in one modern foreign language at the two-year level, or provide proof of proficiency (27-30 quarter units).

END OF MAJOR

====Sociology A.B. (Law & Society)====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			OR		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems	(3)
			OR		
			SOC 2H	Honors Contemporary Social Problems	(3)
SOCIOL 4	Immigrtn & Opprtnty	(4)		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 2	Introduction to Anthropology: Cultural	(3)
ANTHRO 20	Comparative Cultures	(4)		NO COMPARABLE COURSE	
POL SCI 1	Amer Natl Govt	(4)	PS 1	Introduction to Government	(3)
POL SCI 3	Internatl Relations	(4)	PS 3	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought	(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	Survey of Western Civilization to 1648	(3)
HISTORY 4C	Western Civ	(4)	HIST 4B	Survey of Western Civilization-1648 to Late 20th Century	(3)
HISTORY 6	Intro to Middle East	(4)		NO COMPARABLE COURSE	
HISTORY 7A	Latin America to 1700	(4)	HIST 16A	Latin America to 1825	(3)
HISTORY 7B	Latin America 1700-1900	(4)	HIST 16A &	Latin America to 1825	(3)
			HIST 16B	Latin America since 1825	(3)
HISTORY 7C	Latin America	(4)		NO COURSE ARTICULATED: College has not	

HISTORY 8	1900-Present Indian Civilization	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s)for articulation	
HISTORY 9A	East Asian Civ	(4)	HIST 19B	Introduction to Chinese History (3)
HISTORY 9B	East Asian Civ	(4)	HIST 19C	Introduction to Japanese History (3)
HISTORY 10C	World History III	(4)	HIST 2B	World History: 1500 to Present (3)
HISTORY 15A	Africa to 1900	(4)	NO COURSE	ARTICULATED
HISTORY 15B	Africa Today	(4)	NO COURSE	ARTICULATED
HISTORY 17A	U.S. History	(4)	HIST 17A	United States History to 1865 (3)
HISTORY 17B	U.S. History	(4)	HIST 17B	United States History since 1865 (3)

PHILOS 5	Critical Reasoning	(4)	PHILO 49	Introduction to Critical Thinking (3)
	OR			OR
PHILOS 14	Eth Soc Prob in Soc	(4)	NO COMPARABLE COURSE	
	OR			OR
PHILOS 24	Intro to Ethics	(4)	PHILO 10	Ethics (3)
			OR	
			PHILO 10H	Honors Ethics (3)

END OF MAJOR

====Sociology A.B. (Social Services)====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

SOCIOL 1	Intro Sociology	(5)		SOC 1	Introduction to Sociology: Understanding Society	(3)
				OR		
				SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)

SOCIOL 2	Self and Society	(4)		NO COMPARABLE COURSE		
	OR			OR		
SOCIOL 3	Social Problems	(4)		SOC 2	Contemporary Social Problems	(3)
				OR		
				SOC 2H	Honors Contemporary Social Problems	(3)

SOCIOL 46A	Intro Social Rsch	(4)		NO COMPARABLE COURSE		
	AND			AND		
SOCIOL 46B	Intro Social Rsch	(5)		NO COMPARABLE COURSE		

PSYCH 1	General Psychology	(4)		PSYCH 1	General Psychology	(3)
				OR		
				PSYCH 1H	Honors General 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)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
A A STD 2	Contemp Issues of Asian Americans	(4)		NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)		HIST 21A	Chicano History to 1865	(3)
				OR		
				HIST 21AH	Honors Chicano History to 1865	(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 COMPARABLE COURSE		
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 COMPARABLE COURSE		
SOCIOL 30B	Multicultural Societies	(3)		NO COMPARABLE COURSE		

END OF MAJOR

====Sociology-Organizational Studies A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

SOCIOL 1	Intro Sociology	(5)		SOC 1	Introduction to Sociology: Understanding Society	(3)
				<u>OR</u>		
				SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
	AND			AND		
SOCIOL 2	Self and Society	(4)		NO COMPARABLE COURSE		
SOCIOL 4	Immigrtn & Opprtnty	(4)		NO COMPARABLE COURSE		
	OR			OR		

SOCIOL 5	Global Soc Change	(4)		SOC 9	Global Society	(3)
	OR				OR	
SOCIOL 11	Sociology of Labor and Employment	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

SOCIOL 46A	Intro Social Rsch	(4)		NO COMPARABLE COURSE		
	AND				AND	
SOCIOL 46B	Intro Social Rsch	(5)		NO COMPARABLE COURSE		

ECON 1A	Princ of Microecon	(4)		ECON 1B	Introduction to Microeconomics	(3)
	AND				AND	
ECON 1B	Princ of Macroecon	(4)		ECON 1A	Introduction to Macroeconomics	(3)

END OF MAJOR

====Spanish A.B.====

Special Advising Note:

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Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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 COURSE	ARTICULATED: College has not submitted course(s) for articulation	
SPANISH 24	Span Comp II	(4)	SPAN 6A	Spanish through Film-Latin American	(3)
	OR			OR	
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 16	Elementary Spanish for Spanish Speakers I	(4)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 16 &	Elementary Spanish for Spanish Speakers I	(4)
			SPAN 17	Elementary Spanish for Spanish Speakers II	(4)
SPANISH 33	Int Span Nat Spk III	(5)	SPAN 17	Elementary Spanish for Spanish Speakers II	(4)

It is recommended that transfer students who have successfully completed a two-year sequence at the junior college level comparable to UC Davis Spanish 1 through 22 continue their study at UC Davis by taking Spanish 23. When available at the community college students are encouraged to complete courses comparable to Spanish 23 and 24. Students should consult a Spanish Department advisor at UC Davis upon enrollment.

LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE
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END OF MAJOR

====Statistics A.B.====

Special Advising Note:

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

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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 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	<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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
<hr/>					
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)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
			<u>OR</u>		
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
			<u>OR</u>		
			CS 12J	Introduction to Programming Concepts &	(4)

				Methodology, JAVA	
			<u>OR</u>		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			<u>OR</u>		
			CS 20J	Java Programming	(4)
				<u>OR</u>	
ENG CS 36B	Object-Oriented Program	(4)	CS 19	C++ Programming	(4)
	Formerly ENG CS 40				

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

STATIST 32 Gateway to Data Science (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

====Statistics B.S. (Applied Statistics Option)====

Special Advising Note:

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available from our TAG website.

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II	(5)
	<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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

NOTE: THE MATH 21A,B,C SERIES IS RECOMMENDED IF AVAILABLE

MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to 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)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
			<u>OR</u>		
			CS 11M	Introduction to Programming Using Microcontrollers	(4)
			<u>OR</u>		
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
			<u>OR</u>		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			<u>OR</u>		
			CS 20J	Java Programming	(4)
	<u>OR</u>			<u>OR</u>	
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CS 19	C++ Programming	(4)

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AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
STATIST 13	Elementary Statistics	(4)		MATH 12 Elementary Statistics	(5)
Same as: STATIST 13Y				<u>OR</u>	
				MATH 12H Honors Elementary Statistics	(5)
				<u>OR</u>	
				PSYCH 2A Statistics for Behavioral Sciences	(3)
STATIST 32	Gateway to Data Science	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

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:

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AP and IB examination credit policies 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 5A Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 5B Analytic Geometry and	(5)

MATH 21C	Calculus	(4)	MATH 5C	Calculus II Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)

ENG CS 36C (4)	Data Structures		CS 21	Introduction to Data	(4)
	Structures and Algorithms				
Formerly ENG CS 60					

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

AND ONE COURSE FROM

STATIST 12	Discrete Probabil	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y			<u>OR</u>		
			MATH 12H	Honors Elementary Statistics	(5)
			<u>OR</u>		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for

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

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

AP and IB examination credit policies 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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to 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 Formerly ENG CS 10	(4)	NO COMPARABLE COURSE		
	OR			OR	
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
			OR		
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
			OR		
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
			OR		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			OR		
			CS 20J	Java Programming	(4)
	OR			OR	
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CS 19	C++ Programming	(4)

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

AND ONE COURSE FROM

STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
STATIST 12	Discrete Probabil	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation	

====Statistics B.S. (Statistical Data Science Track)====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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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 5A	Analytic Geometry and	(5)
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MATH 21B	Calculus	(4)	MATH 5B	Calculus I Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)

ENG CS 32A	Intro to Programming Formerly ENG CS 10	(4)	NO COMPARABLE COURSE		
OR					
ENG CS 36A	Programming Formerly ENG CS 30	(4)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
OR					
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
OR					
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
OR					
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
OR					
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	CS 20J	Java Programming	(4)
OR					
			CS 19	C++ Programming	(4)

STATIST 12	Discrete Probabil	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR					
STATIST 13	Elementary Statistics Same as: STATIST 13Y	(4)	MATH 12	Elementary Statistics	(5)
OR					
			MATH 12H	Honors Elementary Statistics	(5)
OR					
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
OR					
STATIST 32	Gateway to Data Science	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

====Sustainable Agriculture and Food Systems B.S.====

Special Advising Note:

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

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

strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			<u>OR</u>		
			COMM 1H	Honors 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		
	<u>OR</u>		<u>OR</u>		
PL SCI 49	Org Crop Prod Prac	(3)	HORT 71	Organic Food Production	(4) 1

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 COMPARABLE COURSE		
	<u>OR</u>		<u>OR</u>		
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 18	Business Calculus	(4)
			<u>OR</u>		
			MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)

			CHEM 1B	General Chemistry II	(5)
PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
	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	Introduction to Microeconomics	(3)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
PHILOS 14	Eth Soc Prob in Soc	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHILO 10	Ethics	(3)
			OR		
			PHILO 10H	Honors Ethics	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR			OR	
POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought	(3)
	OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			OR		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems	(3)
			OR		
			SOC 2H	Honors Contemporary Social Problems	(3)

TRACK II: FOOD AND SOCIETY

PHILOS 5	Critical Reasoning	(4)	PHILO 49	Introduction to Critical Thinking	(3)
	OR			OR	
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE		
PHILOS 14	Eth Soc Prob in Soc	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 15	Intro to Bioethics	(4)	NO COMPARABLE COURSE		
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHILO 10	Ethics	(3)
			OR		
			PHILO 10H	Honors Ethics	(3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics (5)
Same as: STATIST 13Y			OR	
			MATH 12H	Honors Elementary Statistics (5)
			OR	
			PSYCH 2A	Statistics for Behavioral Sciences (3)

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I (5)
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BIOLSCI 10	Everyday Biology	(4)	BIO 11A	General Biology (4)
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PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	
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BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology (5)
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OR			OR	
ENV S&P 1	Env Analysis	(4)	ES 10	Introduction to Environmental Science (3)

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

OR			OR	
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE	

OR			OR	
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	
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SOILSCI 10	Soils in Our Environment	(3)	HORT 2	Soil Science & Mgmt (4)
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ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics (3)
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POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought (3)
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ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural (3)
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OR			OR	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society (3)

OR			OR	
			SOC 1H	Honors Introduction to Sociology: Understanding Society (3)

OR			OR	
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems (3)

OR			OR	
			SOC 2H	Honors Contemporary Social Problems (3)

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE	
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CM&RGDE 2	Ethnicity Amer Comm	(4)	NO COMPARABLE COURSE	
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TRACK III: ECONOMICS AND POLICY

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus (4)
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OR

MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
			MATH 5A	Analytic Geometry and Calculus I	(5)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR		OR		
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
	Same as: STATIST 13Y		OR		
			MATH 12H	Honors Elementary Statistics	(5)
			OR		
			PSYCH 2A	Statistics for Behavioral Sciences	(3)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
BIOLSCI 10	Everyday Biology	(4)	BIO 11A	General Biology	(4)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
	OR		OR		
ENV S&P 1	Env Analysis	(4)	ES 10	Introduction to Environmental Science	(3)
	OR		OR		
ENV S&P 30	Global Ecosystem	(3)	NO COMPARABLE COURSE		
	Same as: ENV SC&M 30		OR		
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COMPARABLE COURSE		
	OR		OR		
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)	HORT 2	Soil Science & Mgmt	(4)
ECON 1A	Princ of Microecon	(4)	ECON 1B	Introduction to Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1A	Introduction to Macroeconomics	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	PS 5	American Political Thought	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR		OR		
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology: Understanding Society	(3)
			OR		
			SOC 1H	Honors Introduction to Sociology: Understanding Society	(3)
			OR		
SOCIOL 3	Social Problems	(4)	SOC 2	Contemporary Social Problems	(3)
			OR		
			SOC 2H	Honors Contemporary Social Problems	(3)

CM&RGDE 1	The Community	(4)		NO COMPARABLE COURSE	
PHILOS 14	Eth Soc Prob in Soc	(4)		NO COMPARABLE COURSE	
	OR				OR
PHILOS 15	Intro to Bioethics	(4)		NO COMPARABLE COURSE	
	OR				OR
PHILOS 24	Intro to Ethics	(4)		PHILO 10	Ethics (3)
				OR	
				PHILO 10H	Honors Ethics (3)

END OF MAJOR

====Sustainable Environmental Design B.S.====

Special Advising Note:

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

Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			<u>OR</u>		
			COMM 1H	Honors Public Speaking	(3)
<hr/>					
ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
	<u>OR</u>			<u>OR</u>	
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMC	College Composition: Multicultural Emphasis	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMCH	Honors College Composition: Multicultural Emphasis	(3)
			Same as:		
	<u>OR</u>			<u>OR</u>	

UWRITING 48 Style in the Essay (4) | NO COMPARABLE COURSE
Formerly UWRITING 18

OR

OR

UWRITING 49 Writing Research Papers (4) | NO COMPARABLE COURSE
Formerly UWRITING 19

BIOLSCI 2B Intro Biology: Ecology (5) | BIO 9B Ecology, Evolution, and (5)
& Evolution | Plant Biology

ALL OF THE FOLLOWING COURSES:

LND ARC 1 Intro Environ Design (4) | NO COMPARABLE COURSE

LND ARC 2 Place,Culture,Community (4) | NO COMPARABLE COURSE

LND ARC 3 Sustainable Development (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation

LND ARC 21 Landscape Rep I (4) | NO COMPARABLE COURSE
Formerly Design Visualization

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

LND ARC 50 Site Ecology (4) | NO COMPARABLE COURSE

LND ARC 70 Intro to Spacemaking (4) | NO COMPARABLE COURSE

AND ONE COURSE IN A PHYSICAL SCIENCE

END OF MAJOR

====Textiles and Clothing B.S. (Marketing/Economics)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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 1	& Introduction to Computers (3) and Computer Technology
			CS 1L	Technology Tools (2)
	OR			OR
ENG CS 36A	Programming	(4)	CS 11	Introduction to (4) Programming Concepts and Methodology, C++
Formerly ENG CS 30				
			OR	
			CS 11M	Introduction to C/C++ (4) Programming Using Microcontrollers
			OR	
			CS 12J	Introduction to (4)

			Programming Concepts & Methodology, JAVA	
	<u>OR</u>			
CS 12GP		Introduction to Programming Using Games and Simulations		(4)
	<u>OR</u>			
CS 20J		Java Programming		(4)

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

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

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	<u>OR</u>			<u>OR</u>	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
	<u>OR</u>			<u>OR</u>	
ARTHI 1A	Ancient Mediterranean Art	(4)	AH 11	Ancient Art	(3)
	<u>OR</u>		AH 11H	Honors Ancient Art	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	AH 12 &	Middle Ages: Art/Mediterranean World and Europe (AD 300-1400)	(3)
	<u>OR</u>		AH 13	Renaissance to Mid-19th Century	(3)
ARTHI 1C	Baroque to Modern Art	(4)	AH 14	Modern Art	(3)
	<u>OR</u>			<u>OR</u>	
ARTHI 1D	Arts of Asia	(4)	AH 17	Art of China, Korea and Japan	(3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
	<u>OR</u>			<u>OR</u>	
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 10	Introduction to Physics	(3)
PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
	<u>OR</u>		PSYCH 1H	Honors General Psychology	(3)

SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE		
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics	(5)
Same as: STATIST 13Y				<u>OR</u>	
			MATH 12H	Honors Elementary Statistics	(5)
				<u>OR</u>	
			PSYCH 2A	Statistics for Behavioral Sciences	(3)

TEX&CL 6	Intro Textiles	(4)	NO COMPARABLE COURSE	
TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE	
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE	

MGMT 11A	Elem Accounting	(4)	ACCT 1A	Financial Accounting (4)
MGMT 11B	Elem Accounting	(4)	ACCT 1B	Managerial Accounting (4)

CHEM 10	Concept of Chem	(4)	CHEM 10	Concepts of Chemistry (4)
	OR			OR
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I (5)

MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus (4)
			OR	
			MATH 5A	Analytic Geometry and (5)
				Calculus I
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and (5)
				Calculus I

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	BUS 18	Business Law (4)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE	
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and (5)
				Calculus II

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 1 & Introduction to Computers (3) and Computer Technology

			CS 1L	Technology Tools	(2)
	OR			OR	
ENG CS 36A	Programming	(4)	CS 11	Introduction to Programming Concepts and Methodology, C++	(4)
	Formerly ENG CS 30				
			OR		
			CS 11M	Introduction to C/C++ Programming Using Microcontrollers	(4)
			OR		
			CS 12J	Introduction to Programming Concepts & Methodology, JAVA	(4)
			OR		
			CS 12GP	Introduction to Programming Using Games and Simulations	(4)
			OR		
			CS 20J	Java Programming	(4)

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

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

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTHR 2	Introduction to Anthropology: Cultural	(3)
	OR			OR	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
	OR			OR	
ARTHI 1A	Ancient Mediterranean Art	(4)	AH 11	Ancient Art	(3)
	OR		OR		
ARTHI 1B	Mediev&Renaiss Art	(4)	AH 11H	Honors Ancient Art	(3)
	OR		OR		
ARTHI 1B	Mediev&Renaiss Art	(4)	AH 12 &	Middle Ages: Art/Mediterranean World and Europe (AD 300-1400)	(3)
	OR		AH 13	Renaissance to Mid-19th Century	(3)
ARTHI 1C	Baroque to Modern Art	(4)	OR		
	OR		AH 14	Modern Art	(3)
ARTHI 1D	Arts of Asia	(4)	OR		
			AH 17	Art of China, Korea and Japan	(3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
	OR			OR	
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 10	Introduction to Physics	(3)
PSYCH 1	General Psychology	(4)	PSYCH 1	General Psychology	(3)
			OR		
			PSYCH 1H	Honors General Psychology	(3)

SOCIOL 2	Self and Society	(4)	NO COMPARABLE COURSE	
STATIST 13	Elementary Statistics	(4)	MATH 12	Elementary Statistics (5)
	Same as: STATIST 13Y		<u>OR</u>	
			MATH 12H	Honors Elementary Statistics (5)
			<u>OR</u>	
			PSYCH 2A	Statistics for Behavioral Sciences (3)
TEX&CL 6	Intro Textiles	(4)	NO COMPARABLE COURSE	
TEX&CL 7	Style & Cult Std	(4)	NO COMPARABLE COURSE	
TEX&CL 8	Textile Apparel Ind	(4)	NO COMPARABLE COURSE	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I (5)
			CHEM 1B	General Chemistry II (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I (3)
			CHEM 12AL	Organic Chemistry Laboratory I (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II (3)
			CHEM 12BL	Organic Chemistry Laboratory II (2)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus (4)
			<u>OR</u>	
			MATH 5A	Analytic Geometry and Calculus I (5)
RESTRICTED ELECTIVES (16 QUARTER UNITS):				
AGRESEC 18	Business Law	(4)	BUS 18	Business Law (4)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II (5)
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I (3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &	Organic Chemistry I (3)
			CHEM 12B	Organic Chemistry II (3)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B	Organic Chemistry II (3)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE	
MGMT 11A	Elem Accounting	(4)	ACCT 1A	Financial Accounting (4)
MGMT 11B	Elem Accounting	(4)	ACCT 1B	Managerial Accounting (4)
MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I (5)
MATH 16C	Short Calculus	(3)	MATH 5B	Analytic Geometry and Calculus II (5)
SOCIOL 25	Popular Culture	(4)	SOC 10	Sociology of Popular Culture (3)

Foreign language units may be used to satisfy any or all of the required 16 units.

END OF MAJOR

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

====Theatre and Dance A.B.====

Special Advising Note:

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

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

All students completing a major in theatre and dance must participate in dramatic productions, including work in at least two of the following three areas: acting/dance; design (scenic, costume, lighting, painting, props, sound); directing/playwriting/stage management and crew assignments. Transfer students should see the major advisor at UC Davis for an evaluation of their previous experience.

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

NOTE: Lower-division preparation for the Honors A.B. major in Theatre and Dance is the same as that below.

ONE COURSE FROM THE FOLLOWING:

DRAMART 21A	Fundamentals of Act	(4)	TA 10A	Basic Acting Techniques	(3)
b) DRAMART 40A	Beg Modern Dance	(2)	DANCE 5	Contemporary Modern Dance II	(.5-3)
DRAMART 40B	Int Modern Dance	(2)	NO COMPARABLE COURSE		
b) DRAMART 42A	Beg Ballet	(2)	DANCE 7	Ballet I	(.5-3)
b) DRAMART 42B	Inter Ballet	(2)	DANCE 8	Ballet II	(.5-3)

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

b) Cabrillo course must be taken for at least one unit to receive credit at UC Davis.

====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:

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIO 9A	Molecular, Cellular, and Animal Biology	(5)
	OR			OR		
PL SCI 2	Bot Physio Cul Plt	(4)		NO COMPARABLE COURSE		
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 1A &	General Chemistry I	(5)
				CHEM 1B	General Chemistry II	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 1B	General Chemistry II	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 12A &	Organic Chemistry I	(3)
				CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 12B &	Organic Chemistry II	(3)
				CHEM 12BL	Organic Chemistry Laboratory II	(2)
<hr/>						
PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE		

OR EQUIVALENT AND advisor APPROVAL

MATH 16A	Short Calculus	(3)		MATH 18	Business Calculus	(4)
				OR		
				MATH 5A	Analytic Geometry and Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 5A	Analytic Geometry and Calculus I	(5)
<hr/>						
PHYSICS 1A	Principles Physics	(3)		PHYS 11	Elementary Physics	(4)
	AND			AND		
PHYSICS 1B	Principles Physics	(3)		NO COMPARABLE COURSE		
	OR			OR		
PHYSICS 7A	General Physics	(4)		PHYS 2A &	General Physics I	(4)
				PHYS 2B	General Physics II	(4)

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

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

END OF MAJOR

===Wildlife, Fish and Conservation Biology B.S.===

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			OR		
			ENGL 1AMC	College Composition: Multicultural Emphasis	(3)
			Same as:		
			OR		
			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			OR		
			ENGL 1AMCH	Honors College Composition: Multicultural Emphasis	(3)
			Same as:		
	AND		AND		
COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			OR		
			COMM 1H	Honors Public Speaking	(3)
	OR		OR		
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 7	Interpersonal Communications	(3)
			OR		
DRAMART 10	Intro To Acting	(4)	TA 7	Introduction to Acting	(3)
Note: Completing UWP 1 and Communication 1 will simultaneously satisfy the College requirements.					
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A &	Molecular, Cellular, and Animal Biology	(5)
			BIO 9B	Ecology, Evolution, and Plant Biology	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry I	(5)
			CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
MATH 16A	Short Calculus	(3)	MATH 18	Business Calculus	(4)
			OR		
			MATH 5A	Analytic Geometry and Calculus I	(5)

MATH 16B	Short Calculus	(3)	MATH 5A	Analytic Geometry and Calculus I	(5)
PHYSICS 1A	Principles Physics	(3)	PHYS 11	Elementary Physics	(4)
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 II	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL	Organic Chemistry Laboratory I	(2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A &	Organic Chemistry I	(3)
			CHEM 12AL &	Organic Chemistry Laboratory I	(2)
			CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B &	Organic Chemistry II	(3)
			CHEM 12BL	Organic Chemistry Laboratory II	(2)
PHYSICS 7A	General Physics	(4)	PHYS 2A &	General Physics I	(4)
PHYSICS 7B	General Physics	(4)	PHYS 2B	General Physics II	(4)
PHYSICS 7C	General Physics	(4)	PHYS 2A &	General Physics I	(4)
			PHYS 2B	General Physics II	(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 5A	Analytic Geometry and Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 5B	Analytic Geometry and Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)
MATH 21D	Vector Analysis	(4)	MATH 5C	Analytic Geometry and Calculus III	(5)

MATH 22A	Linear Algebra	(3)	MATH 6	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 7	Introduction to Differential Equations	(3)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry I	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry I General Chemistry II	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry II	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 12B & CHEM 12BL	Organic Chemistry II Organic Chemistry Laboratory II	(3) (2)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL	Organic Chemistry I Organic Chemistry Laboratory I	(3) (2)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A & CHEM 12AL & CHEM 12B & CHEM 12BL	Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry II Organic Chemistry Laboratory II	(3) (2) (3) (2)
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry I	(3)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & CHEM 12B	Organic Chemistry I Organic Chemistry II	(3) (3)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12AL	Organic Chemistry Laboratory I	(2)
PHYSICS 9A	Classical Physics	(5)	PHYS 4A	Physics for Scientists and Engineers I	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 4C	Physics for Scientists and Engineers III	(5)
PHYSICS 9C	Classical Physics	(5)	PHYS 4B	Physics for Scientists and Engineers II	(5)
PHYSICS 9D	Modern Physics	(4)	PHYS 4D	Modern Physics	(3)
BIMEDEN 20	Fundamentals of Bioengineering	(4)	NO COMPARABLE COURSE		
ENGIN 4	Graphics in Design	(3)	ENGR 25	Graphics and Design	(4)
ENGIN 6	Engr Prob Solving	(4)	ENGR 30	Computer Applications in Engineering	(4)
ENGIN 17	Circuits I	(4)	ENGR 15	Circuits	(4)
ENGIN 35	Statics	(4)	ENGR 35	Statics	(3)

ENGIN 45	Prop of Mats	(4)	ENGR 45	Engineering Materials	(4)
ENG CS 20	C Sci/Discrete Math	(4)	CS 23	Discrete Mathematics	(4)
			Same as:		
			<u>OR</u>		
			MATH 23	Discrete Mathematics	(4)
			Same as:		
ENG CS 36A	Programming	(4)	CS 11	Introduction to	(4)
Formerly ENG CS 30				Programming Concepts	
				and Methodology, C++	
			<u>OR</u>		
			CS 11M	Introduction to C/C++	(4)
				Programming Using	
				Microcontrollers	
			<u>OR</u>		
			CS 12J	Introduction to	(4)
				Programming Concepts &	
				Methodology, JAVA	
			<u>OR</u>		
			CS 12GP	Introduction to	(4)
				Programming Using Games	
				and Simulations	
			<u>OR</u>		
			CS 20J	Java Programming	(4)
ENG CS 36B	Object-Oriented Program	(4)	CS 19	C++ Programming	(4)
Formerly ENG CS 40					
ENG CS 50	Machine Dependent Prog	(4)	CS 24	Elementary Computer	(4)
				Organization	
ENG CS 36C	Data Structures	(4)	CS 21	Introduction to Data	(4)
				Structures and Algorithms	
Formerly ENG CS 60					
ENG BS 1	Biosys Engr Fndts	(4)	NO COMPARABLE COURSE		
ENG BS 75	Prop Mat in Bio Sys	(4)	NO COMPARABLE COURSE		
ENG MEC 50	Mfg Processes	(4)	NO COMPARABLE COURSE		
ENG CHM 51	Material Balances	(4)	NO COMPARABLE COURSE		
ENG CHM 60	Engineering Problem Solv	(4)	NO COURSE ARTICULATED		
ENG CHM 80	Chem Engr Profession	(1)	NO COMPARABLE COURSE		
ENG E&C 7	Prog & Microcontrollers	(4)	NO COURSE ARTICULATED		
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMC	College Composition:	(3)
				Multicultural	
				Emphasis	
			Same as:		
			<u>OR</u>		

			ENGL 1AH	Honors College Composition	(3)
			Same as:		
			<u>OR</u>		
			ENGL 1AMCH	Honors College Composition: Multicultural Emphasis	(3)
			Same as:		
ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BH	Honors Composition and Literature	(3)
			<u>OR</u>		
			ENGL 1BMC	Composition and Literature: Multicultural Emphasis	(3)
COMUNCN 1	Intro Public Spkg	(4)	COMM 1	Public Speaking	(3)
			<u>OR</u>		
			COMM 1H	Honors Public Speaking	(3)
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 7	Interpersonal Communications	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 9A	Molecular, Cellular, and Animal Biology	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 9B	Ecology, Evolution, and Plant Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 9A <u>&</u> BIO 9B	Molecular, Cellular, and Animal Biology Ecology, Evolution, and Plant Biology	(5) (5)
j) GEOLOGY 50	Physical Geology	(3)	GEOL 10	Physical Geology	(4)
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

j) If a student takes GEOL 10 at Cabrillo College, credit will be granted for UC Davis's GEOLOGY 1 or 50+50L, not both.