

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

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

General Education (GE) Note:

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

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

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

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

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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ONE COURSE FROM THE FOLLOWING:

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

ONE COURSE FROM THE FOLLOWING:

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

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)		ANTH 121	Introduction to Cultural Anthropology	(3)
ECON 1A	Princ of Microecon	(4)		ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 100	Principles of Macroeconomics	(3)
SOCIOL 1	Intro Sociology	(5)		SOCI 120	Introduction to Sociology	(3)
POL SCI 1	Amer Natl Govt	(4)		POLI 120	Introduction to the Principles of American Government	(3)
f) POL SCI 2	Intro Comp Politics	(4)		POLI 125	Introduction to Modern Political Ideology	(3)
				<u>OR</u>		
PSYCH 1	General Psychology	(4)		POLI 135	Comparative Government	(3)
				PSYC 120	General Psychology	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)	HUMA 113	Introduction to Mexican-American and Chicano Studies	(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 COMPARABLE COURSE		
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
WOM STD 50	Intro Gender Studies	(4)	NO COMPARABLE COURSE		

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 120	United States History	(3)
				1	
HISTORY 17B	U.S. History	(4)	HIST 121	United States History	(3)
				2	

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)	DANS 136	Jazz Dance I	(1-1.5)
i) DRAMART 41B	Inter Jazz Dance	(2)	DANS 136	Jazz Dance I	(1-1.5)
DRAMART 44A	Beg Hip Hop Dance	(2-4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
DRAMART 44B	Inter Hip Hop Dance	(2-4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MUSIC 28	Introduction to African American Music	(4)	NO COMPARABLE COURSE		

END OF MAJOR

- f) **Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both**
- i) **DANS 136 at Napa Valley College is a repeatable course that must be taken twice to receive credit for UC Davis's DRAMART 41B**

====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 120	United States History	(3)
					1

POL SCI 1	OR Amer Natl Govt	(4)	POLI 120	OR Introduction to the Principles of American Government	(3)
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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 101	Principles of Microeconomics	(3)
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AND

OR

ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)
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OR

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

FORMERLY PLANT BIO 1

ENV S&P 10	Current Issues in Environment	(3)	BIOL 112	Introduction to Ecology	(3)
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ENV S&P 10 not open for credit to students who have completed ENV S&P 1

ENV TOX 10	Intro Environ Toxicology	(3)	NO COMPARABLE COURSE		
HYDRO S 10	Water, Power, Society Same as: SCI&SOC 10	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PL SCI 1	Agr Nature & Society	(3)	NO COMPARABLE COURSE		
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		
PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PL SCI 49	Org Crop Prod Prac	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
VIT-ENO 2	Intro to Viticult	(2)	VWT 130	Genl Viticulture	(3)
VIT-ENO 3	Intro Winemaking	(3)	VWT 136	Wines of the World	(3)

ALL OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)

e) GEOLOGY 1	The Earth	(4)	GEOL 110	Physical Geology	(3)
GEOLOGY 20	California Geology	(2)	NO COMPARABLE COURSE		
SOILSCI 10	Soils in Our Environment	(3)	NO COMPARABLE COURSE		

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	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		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 120	& General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120	& General Physics 1	(4)
			PHYS 121	General Physics 2	(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

e) If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

Special Advising Note:

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

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

ONE COURSE FROM THE FOLLOWING:

AMR STD 1A Science and American Culture (4) | NO COMPARABLE COURSE

AMR STD 1B Relig in Am Lives (4) | NO COMPARABLE COURSE

AMR STD 1C American Lives (4) | NO COMPARABLE COURSE

AMR STD 1E Nat&Cult Amr (4) | NO COMPARABLE COURSE

AMR STD 5 Tech in Amr Lives (4) | NO COMPARABLE COURSE

AMR STD 21 Objects & Everyday Life (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

AMR STD 25 U.S. as Business Culture (4) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

AMR STD 30 Amr Images Pop Cult (4) | NO COMPARABLE COURSE

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

AMR STD 59 Music and American Culture (4) | NO COURSE ARTICULATED: College has not submitted courses for articulation

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 COMPARABLE COURSE

CHICANO 10 Intro to Chic Std (4) | HUMA 113 Introduction to Mexican-American and Chicano Studies (3)

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

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2 Cultural Anthropology (5) | ANTH 121 Introduction to Cultural Anthropology (3)

SOCIOL 2 Self and Society (4) | SOCI 123 Social Psychology (3)

WOM STD 50	Intro Gender Studies	(4)		Same as: PSYC 123
				NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

HISTORY 17A	U.S. History	(4)		HIST 120	United States History (3)
					1
HISTORY 17B	U.S. History	(4)		HIST 121	United States History (3)
					2
HISTORY 72A	Am Women & Gender	(4)		HIST 150	History of American (3)
					Women 1600-1900
HISTORY 72B	Am Women & Gender	(4)		HIST 152	Women in Twentieth (3)
					Century America

ONE COURSE FROM THE FOLLOWING:

ENGLISH 3	Intro to Lit	(4)		ENGL 121	Reading and (3)
					Composition 2
ENGLISH 10A	Literatures in English (4)	(4)		ENGL 213	Survey of British (3)
	I: To 1700				Literature 1
ENGLISH 10B	Literatures in English (4)	(4)		ENGL 215	Survey of American (3)
	II: 1700-1900				Literature 1
ENGLISH 10C	Literatures in English (4)	(4)		ENGL 214	Survey of British (3)
	III: 1900 to Present				Literature 2
				OR	
				ENGL 216	Survey of American (3)
					Literature 2
FILM ST 1	Intro to Film Studies	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	

Formerly Humanities 10

END OF MAJOR

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

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

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

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			<u>OR</u>		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	<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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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 232	Statistics	(4)
	Same as: STATIST 13Y				

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:

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

AN SCI 1	Domest Ani & People	(4)		NO COMPARABLE COURSE	
AN SCI 2	Intro Animal Sci	(4)		NO COMPARABLE COURSE	
<hr/>					
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology (5) General Botany (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology (5) General Botany (5)
<hr/>					
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 (5) General Chemistry 2 (5)
<hr/>					
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry (4)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241	Organic Chemistry 2 (4)
				CHEM 111	Introduction to Organic and Biological Chemistry (4)
				CHEM 241	Organic Chemistry 2 (4)
<hr/>					
PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE	
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
<hr/>					
ECON 1A	Princ of Microecon	(4)		ECON 101	Principles of Microeconomics (3)
ECON 1B	Princ of Macroecon	(4)		ECON 100	Principles of Macroeconomics (3)
<hr/>					
MGMT 11A	Elem Accounting	(4)		ACCT 125	Financial Accounting (5)
MGMT 11B	Elem Accounting	(4)		ACCT 126	Managerial Accounting (5)
<hr/>					
MATH 16A	Short Calculus	(3)		MATH 115	Applied Calculus (5)
				OR	
				MATH 120	Calculus I (5)
MATH 16B	Short Calculus	(3)		MATH 121	Calculus II (5)

MATH 16C	Short Calculus	(3)		NO COMPARABLE COURSE	
	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 120	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II (5)
MATH 21C	Calculus	(4)		MATH 221	Multivariable Calculus (5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS SPECIALIZATION

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

COMPANION ANIMALS SPECIALIZATION

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

DAIRY SPECIALIZATION

AN SCI 41 Domestic Ani Prod (2) | NO COMPARABLE COURSE
AN SCI 41L Domest An Prod Lab (2) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

EQUINE SPECIALIZATION

AN SCI 15 Intro Horse 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) | NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

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

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring.

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

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

Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

your CCC counselor or the UC Davis College of A&ES if you have any questions.

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 &	General Zoology	(5)
			BIOL 241	General Botany	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 &	General Zoology	(5)
			BIOL 241	General Botany	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)
			<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			<u>OR</u>		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
			<u>OR</u>		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

AREAS OF SPECIALIZATION:

AQUATIC ANIMALS

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

AVIAN SCIENCES

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

COMPANION AND CAPTIVE ANIMALS

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

EQUINE SCIENCE

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

LABORATORY ANIMALS

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

POULTRY

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

END OF MAJOR

====Anthropology A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

College Foreign Language Requirement Note:

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

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

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

EVOLUTIONARY EMPHASIS:

ANTHRO 1	Human Evol Biol	(4)		ANTH 120	Biological Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)		ANTH 121	Introduction to Cultural Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)		ANTH 130	Introduction to 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 232	Statistics	(4)
	Same as: STATIST 13Y					
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		

SOCIOCULTURAL EMPHASIS:

ANTHRO 2	Cultural Anthropology	(5)		ANTH 121	Introduction to Cultural Anthropology	(3)
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TWO COURSES FROM THE FOLLOWING:

ANTHRO 1	Human Evol Biol	(4)		ANTH 120	Biological Anthropology	(3)
ANTHRO 3	Intr to Archaeology	(4)		ANTH 130	Introduction to Archaeology	(3)
ANTHRO 4	Anthro Linguistics	(4)		ANTH 200	Introduction to Linguistic Anthropology	(3)

SELECT ONE OF THE FOLLOWING TWO OPTIONS:

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

2) Two courses from the following list:

ANTHRO 20	Comparative Cultures	(4)		NO COMPARABLE COURSE
ANTHRO 30	Sexualities	(4)		NO COMPARABLE COURSE
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:

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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ANTHRO 1	Human Evol Biol	(4)		ANTH 120	Biological Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)		ANTH 121	Introduction to Cultural Anthropology	(3)

ANTHRO 3	Intr to Archaeology	(4)	ANTH 130	Introduction to Archaeology	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			<u>OR</u>		
MATH 16B	Short Calculus	(3)	MATH 120	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 121	Calculus II	(5)
	<u>OR</u>		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	
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(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 232	Statistics	(4)
	Same as: STATIST 13Y				
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

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

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is

highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

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

Transfer Admission Guarantee (TAG) Note:

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Recommended Language Preparation Note:

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

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

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

MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		

or equivalent basic knowledge of MATLAB.

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 220	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)	COMS 120	Introductory	(3)
	Formerly ENG CS 10		Programming Logic	
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE	

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
OR			OR		
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
OR			OR		
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)
OR			OR		
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 & PHYS 240 & PHYS 241	Physics for Scientists and Engineers 1 Physics for Scientists & Engineers 2 Physics for Scientists & Engineers 3	(4) (4) (4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 & PHYS 240 & PHYS 241	Physics for Scientists and Engineers 1 Physics for Scientists & Engineers 2 Physics for Scientists & Engineers 3	(4) (4) (4)
OR			OR		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
STATIST 100	Applied Stats for Bio Sci	(4)	This course must be taken at UC Davis		

OR

OTHER APPROVED APPLIED PREPARATORY COURSES

END OF MAJOR

d) This articulation is "series for series" only.

====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.

d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9D	Modern Physics	(4)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 222	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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
PHYSICS 40	Intr Physics Computation	(4)	NO COURSE ARTICULATED		

COMPUTATIONAL PHYSICS CONCENTRATION

ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30				
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				

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

GEOPHYSICS CONCENTRATION

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

MATERIALS SCIENCE CONCENTRATION

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

PHYSICAL ELECTRONICS CONCENTRATION

ENGIN 17 Circuits I (4)|ENGI 242 Circuits I (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

d) This articulation is "series for series" only.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your

UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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

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

FOUR COURSES FROM THE FOLLOWING:

ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 105	History of Western Art: Prehistoric to Medieval	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 106	Art History: Renaissance to Contemporary Art	(3)
ARTHI 1C	Baroque to Modern Art	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ARTHI 1D	Arts of Asia	(4)	ARTH 130	History of Asian Art	(3)
ARTHI 1E	Islamic Art & Architecture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ARTHI 5	Visual Culture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ARTHI 25	Understanding Architecture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

ONE ART STUDIO COURSE FROM:

ART 2	Beginning Drawing	(4)	ARTS 110	Fundamentals of Drawing	(3)
ART 5	Beginning Sculpture	(4)	ARTS 150	Sculpture	(3)
ART 7	Beginning Painting	(4)	ARTS 120	Fundamentals of Painting	(3)
ART 8	Beginning Ceramic Sculpture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 9	Beginning Photography	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 11	Beginning Printmaking	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 12	Beginning Video	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 24	Intro Experimental Video and Film	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

FOUR COURSES FROM THE FOLLOWING:

ART 2	Beginning Drawing	(4)	ARTS 110	Fundamentals of Drawing	(3)
ART 5	Beginning Sculpture	(4)	ARTS 150	Sculpture	(3)
ART 7	Beginning Painting	(4)	ARTS 120	Fundamentals of Painting	(3)
ART 8	Beginning Ceramic Sculpture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 9	Beginning Photography	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 11	Beginning Printmaking	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 12	Beginning Video	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

TWO LECTURE COURSES CHOSEN FROM THE FOLLOWING:

ART 24	Intro Experimental Video and Film	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ART 30	Contemp Vis Culture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 105	History of Western Art: Prehistoric to Medieval	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 106	Art History: Renaissance to Contemporary Art	(3)
ARTHI 1C	Baroque to Modern Art	(4)	NO COURSE	ARTICULATED: College has not submitted course(s)for articulation	
ARTHI 1D	Arts of Asia	(4)	ARTH 130	History of Asian Art	(3)
ARTHI 1E	Islamic Art & Architecture	(4)	NO COURSE	ARTICULATED: College has not submitted course(s)for articulation	

ARTHI 5	Visual Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARTHI 25	Understanding Architecture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

A A STD 1	Hist Exp Asian Am	(4)	NO COMPARABLE COURSE
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
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AT LEAST TWO COURSES FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE
AF-AMST 12	Intro Afro Studies	(4)	NO COMPARABLE COURSE
AF-AMST 15	Intro Afro Amer Hum	(4)	NO COMPARABLE COURSE
AF-AMST 16	African Verbal Arts	(4)	NO COMPARABLE COURSE
AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE
AF-AMST 18	Intro Caribbean Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
AF-AMST 50	Blk Images Pop Cult	(4)	NO COMPARABLE COURSE
AF-AMST 51	History Af-Amr Dance	(4)	NO COMPARABLE COURSE
AF-AMST 52	Afr Tradit Relig	(4)	NO COMPARABLE COURSE
AF-AMST 80	Black Politics	(4)	NO COMPARABLE COURSE
AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
AMR STD 1B	Relig in Am Lives	(4)	NO COMPARABLE COURSE
AMR STD 1C	American Lives	(4)	NO COMPARABLE COURSE
AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
AMR STD 10	Intro American Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 25	U.S. as Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 30	Amr Images Pop Cult	(4)	NO COMPARABLE COURSE
AMR STD 55	Food in Amer Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
AMR STD 59	Same as: FD S&T 55 Music and American Culture	(4)	NO COURSE ARTICULATED: College has not submitted courses for articulation
CHICANO 10	Intro to Chic Std	(4)	HUMA 113 Introduction to Mexican-American and Chicano Studies (3)
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE
CHICANO 30	US Poli & Chicanos	(4)	NO COMPARABLE COURSE
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE
CHICANO 60	Chicana and Chicano Representn in Cinema	(4)	NO COMPARABLE COURSE
CHICANO 65	New Latin American Cinema	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 70	Survey Chic Art	(4)	NO COMPARABLE COURSE
CHICANO 73	Art Expr Silk Scr	(4)	NO COMPARABLE COURSE
N A STD 1	Intro NA Studies	(4)	NO COMPARABLE COURSE
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE
N A STD 7	Indig & Minority Langs	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE
N A STD 12	Native Amer/Indigenous Film	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE
N A STD 33	Intro NA Art	(4)	NO COMPARABLE COURSE
N A STD 34	NA Art Workshop	(4)	NO COMPARABLE COURSE
WOM STD 20	Cult Repr of Gndr	(4)	NO COMPARABLE COURSE
WOM STD 25	Gender & Global Cinema	(4)	NO COMPARABLE COURSE
WOM STD 50	Intro Gender Studies	(4)	NO COMPARABLE COURSE
WOM STD 60	Feminist Critiques	(4)	PHIL 127 Feminist Philosophy (3)
WOM STD 70	Sexual:Thry&Hist	(4)	NO COMPARABLE COURSE

AT LEAST TWO COURSES FROM THE FOLLOWING METHODS COURSES:

ANTHRO 13	Sci Method in Physical Anthropology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARTHI 5	Visual Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ART 10	Fine Art Appreciation	(4)	ARTS 100 Foundations of Studio Arts (3)
ART 30	Contemp Vis Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHICANO 23	Qualitative Research Methods	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 42	Approaches to Reading	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 5	Critical Reasoning	(4)	PHIL 131 Introduction to Logic and 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)	PSYC 220 Research Methods in Psychology (3)
			OR
			SOCI 220 Research Methods in the Behavioral Sciences (3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	MATH 232 Statistics (4)
	Same as: STATIST 13Y		

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 120	General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 &	General Chemistry 1 (5)
				CHEM 121	General Chemistry 2 (5)
<hr/>					
ENG CS 36A	Programming	(4)		COMS 215	Programming Concepts (3)
	Formerly ENG CS 30				and Methodology I

or a course selected with advisor's approval

MATH 21A	Calculus	(4)		MATH 120	Calculus I (5)
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MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)

ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		
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d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
Same as: STATIST 13Y					

PREPARATION FOR GRADUATION:

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

d) This articulation is "series for series" only.

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

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

Special Advising Note:

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

General Education (GE) Note:

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

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

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

When there are more applicants than spaces available in the College of Engineering, priority is given to California community college transfers who have an overall UC transferable GPA of 3.10 or higher and who have completed all

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

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
	OR				OR	
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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 120	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 120 &	General Physics 1	(4)

PHYSICS 7C	General Physics	(4)		PHYS 121	General Physics 2	(4)
				PHYS 120	<u>&</u> General Physics 1	(4)
				PHYS 121	General Physics 2	(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	
d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	<u>&</u> Physics for Scientists and Engineers 1	(4)
				PHYS 240	<u>&</u> Physics for Scientists & Engineers 2	(4)
				PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140	<u>&</u> Physics for Scientists and Engineers 1	(4)
				PHYS 240	<u>&</u> Physics for Scientists & Engineers 2	(4)
				PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140	<u>&</u> Physics for Scientists and Engineers 1	(4)
				PHYS 240	<u>&</u> Physics for Scientists & Engineers 2	(4)
				PHYS 241	Physics for Scientists & Engineers 3	(4)

CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240	<u>&</u> Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)
	OR				OR	
CHEM 128A	Organic Chemistry	(3)		CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)		CHEM 240	<u>&</u> Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)		CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)		CHEM 240	Organic Chemistry 1	(4)
CHEM 129B	Organic Chem Lab	(2)		CHEM 240	<u>&</u> Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)

RECOMMENDED:

MATH 21C	Calculus	(4)		MATH 221	Multivariable Calculus	(5)
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END OF MAJOR

d) This articulation is "series for series" only.

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
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CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241	Organic Chemistry 2	(4)
				CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)
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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		
				<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 120	Calculus I	(5)

MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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 121	General Chemistry 2	(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 221	Multivariable Calculus	(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:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Botany	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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 221	Multivariable Calculus	(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)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

BIOTECH 1Y	Introduction to Biotechnology	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)
	<u>OR</u>			<u>OR</u>	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240	& Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)
	<u>OR</u>			<u>OR</u>	
CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240	& Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			<u>OR</u>		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120	& General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120	& General Physics 1	(4)
			PHYS 121	General Physics 2	(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)	NO COMPARABLE COURSE		
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30				

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				
ENG CS 36C	Data Structures	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 60				
ENG CS 50	Machine Dependent Prog	(4)	NO COMPARABLE COURSE		

END OF MAJOR

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

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

Chemistry 2A/B/C

Biological Sciences 2A/B/C

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

Organic Chemistry series cited on ASSIST for your major*

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
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CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
				<u>OR</u>		
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)
<hr/>						
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
				<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II	(5)
<hr/>						
PHYSICS 7A	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)

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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9D	Modern Physics	(4)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)

MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)

CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)

END OF MAJOR

d) This articulation is "series for series" only.

====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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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	
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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		

		OR		submitted course(s) for articulation		OR	
MATH 21A	Calculus	(4)		MATH 120	Calculus I	(5)	
MATH 21B	Calculus	(4)		MATH 121	Calculus II	(5)	
MATH 21C	Calculus	(4)		MATH 221	Multivariable Calculus	(5)	

CHEM 128A	Organic Chemistry	(3)		CHEM 240	Organic Chemistry 1	(4)	
CHEM 128B	Organic Chemistry	(3)		CHEM 240 &	Organic Chemistry 1	(4)	
				CHEM 241	Organic Chemistry 2	(4)	
CHEM 128C	Organic Chemistry	(3)		CHEM 241	Organic Chemistry 2	(4)	
CHEM 129A	Organic Chem Lab	(2)		CHEM 240	Organic Chemistry 1	(4)	
CHEM 129B	Organic Chem Lab	(2)		CHEM 240 &	Organic Chemistry 1	(4)	
				CHEM 241	Organic Chemistry 2	(4)	

END OF MAJOR

d) This articulation is "series for series" only.

====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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	(4)
			PHYS 241	Physics for Scientists (4) & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	(4)
			PHYS 241	Physics for Scientists (4) & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	(4)
			PHYS 241	Physics for Scientists (4) & Engineers 3	(4)

MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)

CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)
CHEM 129B	Organic Chem Lab	(2)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 129C	Organic Chem Lab	(2)	CHEM 241	Organic Chemistry 2	(4)

RECOMMENDED COURSES:

d) PHYSICS 9D	Modern Physics	(4)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	(4)
			PHYS 241	Physics for Scientists (4) & Engineers 3	(4)

END OF MAJOR

d) This articulation is "series for series" only.

====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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

PHYSICS 7C	General Physics	(4)		PHYS 120	&	General Physics 1	(4)
				PHYS 121		General Physics 2	(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		
d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	&	Physics for Scientists and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists & Engineers 2	(4)
				PHYS 241		Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140	&	Physics for Scientists and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists & Engineers 2	(4)
				PHYS 241		Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140	&	Physics for Scientists and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists & Engineers 2	(4)
				PHYS 241		Physics for Scientists & Engineers 3	(4)

MATH 16A	Short Calculus	(3)		MATH 115		Applied Calculus	(5)
				OR			
				MATH 120		Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 121		Calculus II	(5)
MATH 16C	Short Calculus	(3)		NO COMPARABLE COURSE			
	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 120		Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 121		Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 221		Multivariable Calculus	(5)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120		General Biology	(4)
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STATIST 13	Elementary Statistics	(4)		MATH 232		Statistics	(4)
	Same as: STATIST 13Y						

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

CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240		Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240	&	Organic Chemistry 1	(4)
				CHEM 241		Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241		Organic Chemistry 2	(4)
	OR				OR		
CHEM 128A	Organic Chemistry	(3)		CHEM 240		Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)		CHEM 240	&	Organic Chemistry 1	(4)
				CHEM 241		Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)		CHEM 241		Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)		CHEM 240		Organic Chemistry 1	(4)

|submitted course(s) for articulation

PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)

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

		OR				OR
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 & PHYS 240	Physics for Scientists and Engineers 1 Physics for Scientists & Engineers 2	(4) (4)	
			PHYS 241	Physics for Scientists & Engineers 3	(4)	
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 & PHYS 240	Physics for Scientists and Engineers 1 Physics for Scientists & Engineers 2	(4) (4)	
			PHYS 241	Physics for Scientists & Engineers 3	(4)	
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 & PHYS 240	Physics for Scientists and Engineers 1 Physics for Scientists & Engineers 2	(4) (4)	
			PHYS 241	Physics for Scientists & Engineers 3	(4)	

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
			OR		
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			OR		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
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ENV TOX 20	Introduction to Forensic Science	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
Same as: STATIST 13Y					

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

CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
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CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)
	OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)
CHEM 129B	Organic Chem Lab	(2)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)

END OF MAJOR

d) This articulation is "series for series" only.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

College Foreign Language Requirement Note:

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

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

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

CHICANO 10	Intro to Chic Std	(4)	HUMA 113	Introduction to Mexican-American and Chicano Studies	(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 120	Elementary Spanish I	(5)
SPANISH 2	Elementary Spanish	(5)	SPAN 120 &	Elementary Spanish I	(5)
			SPAN 121	Elementary Spanish II	(5)
SPANISH 3	Elementary Spanish	(5)	SPAN 121	Elementary Spanish II	(5)
	OR			OR	
SPANISH 28	Inter Conversation	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 280	Spanish for Heritage Speakers I	(5)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 280 &	Spanish for Heritage Speakers I	(5)
			SPAN 281	Spanish for Heritage Speakers II	(5)

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

College Foreign Language Requirement Note:

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

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

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

CHICANO 10	Intro to Chic Std	(4)	HUMA 113	Introduction to Mexican-American and Chicano Studies	(3)
CHICANO 50	Chicano Culture	(4)	NO COMPARABLE COURSE		
CHICANO 21	Hlth Care Issues	(4)	NO COMPARABLE COURSE		
	OR			OR	
CHICANO 40	Comparative Health	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ONE COURSE FROM THE FOLLOWING:

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

ONE COURSE FROM THE FOLLOWING:

CHICANO 23	Qualitative Research Methods	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral Sciences	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
SPANISH 1	Elementary Spanish	(5)	SPAN 120	Elementary Spanish I	(5)
SPANISH 2	Elementary Spanish	(5)	SPAN 120 & SPAN 121	Elementary Spanish I	(5)
			SPAN 121	Elementary Spanish II	(5)
SPANISH 3	Elementary Spanish	(5)	SPAN 121	Elementary Spanish II	(5)
	OR			OR	

SPANISH 28	Inter Conversation	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 280 Spanish for Heritage Speakers I (5)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 280 & Spanish for Heritage Speakers I (5) SPAN 281 Spanish for Heritage Speakers II (5)

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 COMPARABLE COURSE
x) CHINESE 2	Elem Chinese	(5)	NO COMPARABLE COURSE
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)	NO COMPARABLE COURSE

END OF MAJOR

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

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit

<http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

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

College Foreign Language Requirement Note:

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

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

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

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

CINE&TS 20	Filmmaking Foundations	(5)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
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Select two of the following courses:

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

Select two of the following courses:

FILM ST 1	Intro to Film Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	Formerly Humanities 10		
TCULST 1	Intro Technocultural Studies	(4)	NO COURSE ARTICULATED: College has not 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 COURSE ARTICULATED: College has not submitted course(s) for articulation
LATIN 2	Elementary Latin	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
LATIN 3	Intermediate Latin	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
GREEK 1	Elem Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GREEK 2	Elem Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GREEK 3	Intermediate Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

TWO COURSES FROM THE FOLLOWING:

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

ONE ADDITIONAL COURSE SELECTED FROM:

ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 105 History of Western Art: Prehistoric to Medieval (3)
CLASSIC 1	N East/Early Gr	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 2	Anc Gr & Near East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 3	Rome & The Mediter	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 15	Women & Gender in Classical Antiquity	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 20	Pompeii AD 79	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

CLASSIC 25	Classical America	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 30	Word Roots	(3)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 31	Technical Word Roots	(3)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 40	Economy in Ancient Med	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CLASSIC 50	Ancient Science	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as: SCI&TEC 50			
COMPLIT 1	Major Books-Ancient World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 21	Phil Classics: Ancient	(4)	PHIL 120 Introduction to Philosophy 1 (3)
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 40	New Testament	(4)	NO COMPARABLE COURSE

END OF MAJOR

k) Students who complete PHIL 120 at Napa Valley College will receive credit at UC Davis for either PHILOS 1 or 21, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 21.

**====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](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.

LATIN 1	Elementary Latin	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
LATIN 2	Elementary Latin	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
LATIN 3	Intermediate Latin	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	AND		AND
GREEK 1	Elem Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GREEK 2	Elem Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GREEK 3	Intermediate Greek	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

CLASSIC 1	N East/Early Gr	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
CLASSIC 2	Anc Gr & Near East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
CLASSIC 3	Rome & The Mediter	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 121	Reading and Composition 2	(3)
	OR				OR	
UWRITING 1	Expository Writing	(4)		ENGL 120	Reading and Composition 1	(4)

COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			OR		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			OR		
			CHEM 241	Organic Chemistry 2	(4)
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
	OR			OR	
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)
PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)
	OR			OR	
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

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)	NO COMPARABLE COURSE		
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED:College has not submitted course(s)for articulation		
PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral Sciences	(3)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

Emphasis 1: Computational

ENG CS 20	C Sci/Discrete Math	(4)	NO COMPARABLE COURSE	
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory Programming Logic (3)
	Formerly ENG CS 10			
	OR			OR
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I (3)
	Formerly ENG CS 30			
ENG CS 34	UNIX & C++	(5)	NO COURSE ARTICULATED	
	OR			OR
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II (3)
	Formerly ENG CS 40			
ENG CS 50	Machine Dependent Prog	(4)	NO COMPARABLE COURSE	
ENG CS 32B	Intro to Data Structures	(4)		
	OR			OR
ENG CS 36C	Data Structures	(4)	NO COMPARABLE COURSE	
	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	
	OR			OR
MATH 21A	Calculus	(4)	MATH 120	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II (5)

MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

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

PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral Sciences	(3)

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

Emphasis 2: Neuroscience					
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

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		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR		OR		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)

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

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

PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
	OR		OR		
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)

			PHYS 240	&	Physics for Scientists (4) & Engineers 2
			PHYS 241		Physics for Scientists (4) & Engineers 3
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140	&	Physics for Scientists (4) and Engineers 1
			PHYS 240	&	Physics for Scientists (4) & Engineers 2
			PHYS 241		Physics for Scientists (4) & Engineers 3
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140	&	Physics for Scientists (4) and Engineers 1
			PHYS 240	&	Physics for Scientists (4) & Engineers 2
			PHYS 241		Physics for Scientists (4) & Engineers 3

PSYCH 1	General Psychology	(4)	PSYC 120		General Psychology (3)
PSYCH 41	Research Methods	(4)	PSYC 220		Research Methods in (3) Psychology
				<u>OR</u>	
			SOCI 220		Research Methods in (3) the Behavioral Sciences

STATIST 13	Elementary Statistics	(4)	MATH 232		Statistics (4)
	Same as: STATIST 13Y				

END OF MAJOR

d) **This articulation is "series for series" only.**

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to

complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

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

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

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

ANTHRO 4	Anthro Linguistics	(4)	ANTH 200	Introduction to Linguistic Anthropology	(3)
	OR			OR	
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE		
COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPCOM 120	Interpersonal Communication	(3)
	OR			OR	
COMUNCN 5	Global English Comm	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Same as: LINGUIS 5				
	OR			OR	
LINGUIS 5	Global English Comm	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Same as: COMUNCN 5				
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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

	OR			OR	
PHILOS 12	Intro to Symbol Logic	(4)	NO COMPARABLE COURSE		
PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

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)	SPCOM 122	Public Speaking	(3)
COMPLIT 1	Major Books-Ancient World	(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 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)	NO COMPARABLE COURSE		
ENGLISH 3	Intro to Lit	(4)	ENGL 121	Reading and Composition 2	(3)
N A STD 5	Intro NA Literature	(4)	NO COMPARABLE COURSE		
UWRITING 1	Expository Writing	(4)	ENGL 120	Reading and Composition 1	(4)
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)	NO COMPARABLE COURSE		
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)	NO COMPARABLE COURSE		

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

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
	OR			OR	
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)

ANTHRO 2	Cultural Anthropology	(5)	OR	ANTH 121	Introduction to Cultural Anthropology	(3)
SOCIOL 1	Intro Sociology	(5)	OR	SOCI 120	Introduction to Sociology	(3)
STATIST 13	Elementary Statistics	(4)	OR	MATH 232	Statistics	(4)
	Same as: STATIST 13Y		OR			
STATIST 32	Gateway to Data Science	(4)	OR	NO COMPARABLE COURSE		
SOCIOL 46B	Intro Social Rsch	(5)	OR	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 COURSE ARTICULATED: College has not submitted course(s) for articulation
	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)	NO COMPARABLE COURSE

TWO COURSES FROM THE FOLLOWING:

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

COMPLIT 1	Major Books-Ancient World	(4)	NO 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 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)	NO COMPARABLE COURSE
COMPLIT 5	Fairy Tales, Fables, Parables	(4)	NO COMPARABLE COURSE
COMPLIT 6	Myths & Legends	(4)	NO COMPARABLE COURSE
COMPLIT 7	Lit:Fant,Supernatl	(4)	NO COMPARABLE COURSE
COMPLIT 8	Utopias Transform	(4)	NO COMPARABLE COURSE
COMPLIT 9	Short Story & Novella	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 11	Travel and Modern World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	Same as: GERMAN 11		
COMPLIT 12	Intro Women Writers	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 13	Dramatic Lit	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
	OR			OR	
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
ENG CS 20	C Sci/Discrete Math	(4)	NO COMPARABLE COURSE		
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30				
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				
ENG CS 36C	Data Structures	(4)	NO COMPARABLE COURSE		
	Formerly ENG CS 60				
ENG CS 50	Machine Dependent Prog	(4)	NO COMPARABLE COURSE		

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

THREE OF THE FOLLOWING COURSES:

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 &	General Zoology	(5)
			BIOL 241	General Botany	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 &	General Zoology	(5)
			BIOL 241	General Botany	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists	(4)

					& Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140 &	Physics for Scientists (4) and Engineers 1
				PHYS 240 &	Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140 &	Physics for Scientists (4) and Engineers 1
				PHYS 240 &	Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3

END OF MAJOR

d) This articulation is "series for series" only.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

information.

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

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

DESIGN 1	Intro to Design	(4)	NO COMPARABLE COURSE
DESIGN 14	Design Drawing	(4)	NO COMPARABLE COURSE
	OR		OR
DESIGN 21	Drafting and Perspective	(4)	NO COMPARABLE COURSE
DESIGN 15	Form & Color	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	AND		AND
DESIGN 16	Graphics & The Computer	(4)	DART 120 Introduction to Digital Art and Graphic Design (3)
DESIGN 40A	Energy, Materials, Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
DESIGN 40B	Ideologies of Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

TWO COURSES FROM THE FOLLOWING:

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

ART 12	Beginning Video	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40A	Energy, Materials, Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40B	Ideologies of Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 40C	Design Aesthetics/Exper	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 50	Intro to 3-D Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 70	Intro Textile Structure	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE
UWRITING 11	Pop Sci & Technol Wrtng	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
UWRITING 12	Writing/Visual Rhetoric	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
UWRITING 48	Style in the Essay Formerly UWRITING 18	(4)	NO COMPARABLE COURSE
	OR		OR
UWRITING 49	Writing Research Papers Formerly UWRITING 19	(4)	NO COMPARABLE COURSE

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

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

ONE COURSE FROM THE FOLLOWING:

ARTHI 1D	Arts of Asia	(4)	ARTH 130 History of Asian Art (3)
CHINESE 7	Chinese Business Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE
JPNESE 10	Masterworks in English	(4)	NO COMPARABLE COURSE
JPNESE 25	Language & Culture (in English)	(4)	NO COMPARABLE COURSE
JPNESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE

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

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

x) CHINESE 1	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 2	Elem Chinese	(5)	NO COMPARABLE COURSE
	OR		
y) JPNESE 1	Elem Japanese	(5)	NO COMPARABLE COURSE
y) JPNESE 2	Elem Japanese	(5)	NO COMPARABLE COURSE

END OF MAJOR

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

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
OR					
PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)

|PHYS 121 General Physics 2 (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 115	Applied Calculus	(5)
				OR		
MATH 16B	Short Calculus	(3)		MATH 120	Calculus I	(5)
	OR			MATH 121	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)		OR		
				NO COURSE ARTICULATED: College has not		
MATH 17B	Calculus for Biosci	(4)		submitted course(s) for articulation		
	OR			NO COURSE ARTICULATED: College has not		
				submitted course(s) for articulation		
MATH 21A	Calculus	(4)		OR		
MATH 21B	Calculus	(4)		MATH 120	Calculus I	(5)
				MATH 121	Calculus II	(5)

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

PREPARATION FOR GRADUATION:

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

END OF MAJOR

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

Special Advising Note:

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

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

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

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

Strive to achieve your highest possible GPA in order to be most competitive. Transfer students must complete courses comparable to the following UC Davis courses with a GPA of at least 3.0 for the course group. Additionally, transfer applicants must have already achieved the required GPA in any of these courses that have been completed at the time the transfer academic update is submitted.

Courses must be taken for a letter grade, with no grade less than C. (Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents).

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

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

- Statistics 13

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

ECON 1A	Princ of Microecon	(4)		ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 100	Principles of Macroeconomics	(3)
STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					
	OR			OR		
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)		MATH 115	Applied Calculus	(5)
				OR		
				MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 121	Calculus II	(5)

	OR		OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II (5)

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

MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus (5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra (3)

END OF MAJOR

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

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

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

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

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

enrollment. See the UC Davis [transfer admission website](#) for details.

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

Transfer Admission Guarantee (TAG) Note:

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

General Education (GE) Note:

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

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

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

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

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

ENGLISH 3	Intro to Lit	(4)	ENGL 121	Reading and Composition 2	(3)
	OR			OR	
UWRITING 1	Expository Writing	(4)	ENGL 120	Reading and Composition 1	(4)
<hr/>					
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 213	Survey of British Literature 1	(3)
ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGL 215	Survey of American Literature 1	(3)
ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGL 214	Survey of British Literature 2	(3)
			OR		
			ENGL 216	Survey of American Literature 2	(3)

ONE COURSE FROM THE FOLLOWING:

ENGLISH 40	Intro Topics in Lit	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 41	Intro Topics Lit & Media	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 43	Intro Topics in Drama	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 44	Intro Topics in Fiction	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 45	Intro Topics in Poetry	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 OR CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
MATH 16B	Short Calculus	(3)	MATH 120	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 17A	Calculus for BioSci	(4)	NO COMPARABLE COURSE	OR	
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	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					
	OR			OR		
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		
	OR			OR		
PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE		

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

Special Advising Note:

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

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

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

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

IGETC: Transfer students should place highest priority on completing all

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

Transfer Admission Guarantee (TAG) Note:

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

General Education (GE) Note:

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

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

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

END OF MAJOR

====Environmental Horticulture and Urban Forestry B.S.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

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

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

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

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

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

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

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

ENVHORT 1	Intro Envhort/Urb For	(3)		NO COMPARABLE COURSE	
ENVHORT 6	Intro Environ Plants	(4)		NO COMPARABLE COURSE	
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LND ARC 30	History Environ Design	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
<hr/>					
BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology (5) General Botany (5)
PL SCI 2	Bot Physio Cul Plt	(4)		NO COMPARABLE COURSE	
<hr/>					
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 &	General Chemistry 1 (5)

				CHEM 121	General Chemistry 2	(5)
ENV S&P 1	Env Analysis	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
ENV S&P 10	Current Issues in Environment	(3)		BIOL 112	Introduction to Ecology	(3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1						
	OR			OR		
ENV S&P 30	Global Ecosystem	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Same as: ENV SC&M 30					
PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)		NO COMPARABLE COURSE		
PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)		MATH 115	Applied Calculus	(5)
				OR		
				MATH 120	Calculus I	(5)
	OR			OR		
STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					

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)		SPCOM 122	Public Speaking	(3)
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END OF MAJOR

====Environmental Policy Analysis & Planning 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.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit

<http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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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COMUNCN 1	Intro Public Spkg	(4)		SPCOM 122	Public Speaking	(3)
	OR				OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		SPCOM 120	Interpersonal	(3)

	OR				Communication
DRAMART 10	Intro To Acting	(4)	THEA 110	Technique of Acting	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
	OR			OR	
BIOLSCI 10	Everyday Biology	(4)	BIOL 110	Survey of Biology	(4)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
	OR			OR	
CHEM 10	Concept of Chem	(4)	NO COMPARABLE COURSE		
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology	(5)
	OR			General Botany	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1	(5)
	OR			General Chemistry 2	(5)
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 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)

ONE COURSE FROM THE FOLLOWING:

AN SCI 1	Domest Ani & People	(4)	NO COMPARABLE COURSE		
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE		
e) GEOLOGY 1	The Earth	(4)	GEOL 110	Physical Geology	(3)
PL SCI 12	Plants and Society	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Same as: SCI&SOC 12				
	FORMERLY PLANT BIO 12				
W&F BIO 51	Intro to Conservation Biology	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	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		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

POL SCI 1 Amer Natl Govt (4) | POLI 120 Introduction to the (3)
Principles of American
Government

STATIST 13 Elementary Statistics (4) | MATH 232 Statistics (4)
Same as: STATIST 13Y

OR

OR

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

CLIMATE CHANGE POLICY AREA:

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

END OF MAJOR

e) If a student takes GEOL 110 at Napa Valley College, credit will be given
for UC Davis's GEOLOGY 1 or 50, not both.

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

Special Advising Note:

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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
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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
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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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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)	SPCOM 122	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPCOM 120	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	THEA 110	Technique of Acting	(3)
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Botany	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
e) GEOLOGY 1	The Earth	(4)	GEOL 110	Physical Geology	(3)

c) GEOLOGY 50 e)	OR Physical Geology	(3)	GEOL 110	OR Physical Geology	(3)
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PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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 101	Principles of Microeconomics	(3)
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MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	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		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

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

CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PREPARATION FOR GRADUATION:

STATIST 13 Same as: STATIST 13Y	Elementary Statistics	(4)	MATH 232	Statistics	(4)
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ECOLOGY, BIODIVERSITY, AND CONSERVATION TRACK:

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

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

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

END OF MAJOR

- e) If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.
- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Botany	(5)

CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
OR				OR		
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240 & CHEM 241	Organic Chemistry 1	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)

OR			OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1 (4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1 (4)
			CHEM 241	Organic Chemistry 2 (4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2 (4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1 (4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
OR			OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II (5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus (5)

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1 (4)
			PHYS 121	General Physics 2 (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1 (4)
			PHYS 121	General Physics 2 (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1 (4)
			PHYS 121	General Physics 2 (4)

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

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

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

RECOMMENDED:

MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>			<u>OR</u>	
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(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.

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(for 2019-20)

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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.

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

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

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

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BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
				<u>OR</u>		
				<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)
<hr/>						
MATH 17A	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
				<u>OR</u>		
MATH 21A	Calculus	(4)		MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II	(5)
<hr/>						
PHYSICS 7A	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)		PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(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

d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

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

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

ENGIN 45	Prop of Mats	(4)	ENGI 240	Properties of Materials	(4)

PREPARATION FOR GRADUATION:

CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)
CHEM 129B	Organic Chem Lab	(2)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)

ELECTIVE COURSES:

ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)

MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 222	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.

d) This articulation is "series for series" only.

====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)		SPCOM 122	Public Speaking	(3)
MATH 16A	Short Calculus	(3)		MATH 115	Applied Calculus	(5)
				<u>OR</u>		
				MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)		MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)		NO COMPARABLE COURSE		
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120	<u>&</u> General Chemistry 1	(5)
				CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
	AND			CHEM 241	Organic Chemistry 2	(4)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
	OR			CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
	AND				AND	
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240	<u>&</u> Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)
	OR				OR	
CHEM 128A	Organic Chemistry	(3)		CHEM 240	Organic Chemistry 1	(4)
	AND				AND	
CHEM 128B	Organic Chemistry	(3)		CHEM 240	<u>&</u> Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)
	AND				AND	
CHEM 129A	Organic Chem Lab	(2)		CHEM 240	Organic Chemistry 1	(4)
PHYSICS 7A	General Physics	(4)		PHYS 120	<u>&</u> General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)		PHYS 120	<u>&</u> General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)		PHYS 120	<u>&</u> General Physics 1	(4)
				PHYS 121	General Physics 2	(4)

College Foreign Language Requirement Note:

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

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

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

FRENCH 1	Elementary French	(5)	FREN 120	First Semester French	(5)
FRENCH 2	Elementary French	(5)	FREN 120 & FREN 121	First Semester French	(5)
FRENCH 3	Elementary French	(5)	FREN 121	Second Semester French	(5)
FRENCH 21	Intermed French	(5)	FREN 121	Second Semester French	(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)	NO COMPARABLE COURSE
WOM STD 60	Feminist Critiques	(4)	PHIL 127 Feminist Philosophy (3)
WOM STD 70	Sexual:Thry&Hist	(4)	NO COMPARABLE COURSE

TWO COURSES FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4)	NO COMPARABLE COURSE
AF-AMST 17	Women in Africa	(4)	NO COMPARABLE COURSE
AMR STD 21	Objects & Everyday Life	(4)	NO 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)	ANTH 121 Introduction to Cultural Anthropology (3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE
ANTHRO 30	Sexualities	(4)	NO COMPARABLE COURSE
A A STD 1	Hist Exp Asian Am	(4)	NO COMPARABLE COURSE
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE
CHICANO 10	Intro to Chic Std	(4)	HUMA 113 Introduction to Mexican-American and Chicano Studies (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 COURSE ARTICULATED: College has not submitted course(s) for articulation
DRAMART 1	Theatre, Performance and Culture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ENGLISH 3	Intro to Lit	(4)	ENGL 121 Reading and Composition 2 (3)
HISTORY 72A	Am Women & Gender	(4)	HIST 150 History of American Women 1600-1900 (3)
HISTORY 72B	Am Women & Gender	(4)	HIST 152 Women in Twentieth Century America (3)
HISTORY 85	Nat,Man&Mach/Amer	(4)	NO COMPARABLE COURSE
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE
N A STD 32	NA Music & Dance	(4)	NO COMPARABLE COURSE
POL SCI 7	Law & Politics	(4)	NO COMPARABLE COURSE
PSYCH 1	General Psychology	(4)	PSYC 120 General Psychology (3)

SCI&TEC 1	Intro Sci & Tech Std	(4)		NO COMPARABLE COURSE
SCI&TEC 2	Intro History of Science	(4)		
SCI&TEC 20	Sci & Tec Std Methods	(4)		NO COMPARABLE COURSE
SCI&TEC 32	Drugs, Science and Culture	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
Same as:	ANTHRO 32			
SOCIOLOG 2	Self and Society	(4)		SOCI 123 Social Psychology (3) Same as: PSYC 123
SOCIOLOG 3	Social Problems	(4)		SOCI 122 Introduction to Social Problems (3)
SOCIOLOG 11	Sociology of Labor and Employment	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOLOG 30A	Multicultural Societies	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOLOG 30B	Multicultural Societies	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
TEX&CL 7	Style & Cult Std	(4)		NO COMPARABLE COURSE
UWRITING 49	Writing Research Papers	(4)		NO COMPARABLE COURSE
Formerly	UWRITING 19			
WOM STD 20	Cult Repr of Gndr	(4)		NO COMPARABLE COURSE

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

Organic Chemistry series cited on ASSIST for your major*
 Physics 7A/B/C or the physics series cited on ASSIST

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
			<hr/>			
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
			<hr/>			
			OR			
CHEM 2AH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240	<u>&</u> Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(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 221	Multivariable Calculus	(5)
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END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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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.

GEOLOGY 3	History of Life	(3)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
GEOLOGY 3L	History of Life Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
c) GEOLOGY 50	Physical Geology	(3)	GEOL 110	Physical Geology	(3)
e) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 111	Physical Geology Laboratory	(1)
GEOLOGY 60	Earth Materials:Intro	(4)	NO COMPARABLE COURSE		
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			<u>OR</u>		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
	<u>OR</u>			<u>OR</u>	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120	<u>&</u> General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
PHYSICS 7A	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(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

GEOLOGY 3	History of Life	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GEOLOGY 3L	History of Life Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
c) GEOLOGY 50	Physical Geology	(3)	GEOL 110 Physical Geology (3)
e) GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 111 Physical Geology Laboratory (1)
GEOLOGY 60	Earth Materials: Intro	(4)	NO COMPARABLE COURSE
GEOLOGY 62	Optical Mineralogy	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 21A	Calculus	(4)	MATH 120 Calculus I (5)
MATH 21B	Calculus	(4)	MATH 121 Calculus II (5)
MATH 21C	Calculus	(4)	MATH 221 Multivariable Calculus (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120 General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & General Chemistry 1 (5)
			CHEM 121 General Chemistry 2 (5)

SELECT ONE OF THE FOLLOWING THREE OPTIONS:

GENERAL GEOLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)	CHEM 121 General Chemistry 2 (5)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE
PHYSICS 7A	General Physics	(4)	PHYS 120 & General Physics 1 (4)
			PHYS 121 General Physics 2 (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & General Physics 1 (4)
			PHYS 121 General Physics 2 (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 & General Physics 1 (4)
			PHYS 121 General Physics 2 (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
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 & Physics for Scientists and Engineers 1 (4)
			PHYS 240 & Physics for Scientists & Engineers 2 (4)
			PHYS 241 Physics for Scientists & Engineers 3 (4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 & Physics for Scientists and Engineers 1 (4)
			PHYS 240 & Physics for Scientists & Engineers 2 (4)
			PHYS 241 Physics for Scientists & Engineers 3 (4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 & Physics for Scientists and Engineers 1 (4)
			PHYS 240 & Physics for Scientists & Engineers 2 (4)
			PHYS 241 Physics for Scientists & Engineers 3 (4)

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

GEOCHEMISTRY/PETROLOGY OPTION:

CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)

QUANTITATIVE/GEOPHYSICS OPTION:

MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)

END OF MAJOR

- c) **This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.**
- e) **If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.**
- d) **This articulation is "series for series" only.**

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

Special Advising Note:

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

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

recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

GERMAN 1	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 2	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 3	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 20	Intermediate German	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 21	Intermediate German	(4)	NO COMPARABLE COURSE
GERMAN 22	Intermediate German	(4)	NO COMPARABLE COURSE

END OF MAJOR

====Global Disease Biology B.S.====

Special Advising Note:

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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GDISBIO 90	Intro Global Disease Bio	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SCI&SOC 13	Disease and Society	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)
			<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(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.

PREPARATION FOR GRADUATION:

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:

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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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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 15B Africa Today (4) | NO COURSE ARTICULATED

B. ASIA

HISTORY 8 Indian Civilization (4) | NO COMPARABLE COURSE
HISTORY 9A East Asian Civ (4) | NO COMPARABLE COURSE
HISTORY 9B East Asian Civ (4) | NO COMPARABLE COURSE

C. EUROPE

HISTORY 4A Western Civ (4) | NO COMPARABLE COURSE
HISTORY 4B Western Civ (4) | NO COMPARABLE COURSE
HISTORY 4C Western Civ (4) | NO COMPARABLE COURSE

D. LATIN AMERICA

HISTORY 7A Latin America to 1700 (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation
HISTORY 7B Latin America 1700-1900 (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation
HISTORY 7C Latin America (4) | HIST 140 Modern Latin America (3)
1900-Present

E. MIDDLE EAST

HISTORY 6 Intro to Middle East (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation

F. UNITED STATES

HISTORY 17A U.S. History (4) | HIST 120 United States History (3)
1
HISTORY 17B U.S. History (4) | HIST 121 United States History (3)
2
HISTORY 18A Race in America to 1865 (4) | NO COURSE ARTICULATED
HISTORY 72A Am Women & Gender (4) | HIST 150 History of American (3)
Women 1600-1900
HISTORY 72B Am Women & Gender (4) | HIST 152 Women in Twentieth (3)
Century America
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 (4) | NO COMPARABLE COURSE
Cultures
HISTORY 10A World History to 1350 (4) | HIST 122 World Civilization 1 (3)
b) HISTORY 10B World History (4) | HIST 123 World Civilization 2 (3)
1350-1850
b) HISTORY 10C World History III (4) | HIST 123 World Civilization 2 (3)
HISTORY 11 Hist Jewish People (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation
HISTORY 12 Food and History (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation
HISTORY 13 Global Sexualities (4) | NO COURSE ARTICULATED
HISTORY 14 Hist Global Capitalism (4) | NO COURSE ARTICULATED
HISTORY 20 The Vietnam War (4) | NO COURSE ARTICULATED
HISTORY 90 Research in History (4) | NO COURSE ARTICULATED

END OF MAJOR

b) **Students who take HIST 123 at Napa Valley College will receive credit at UC Davis for HISTORY 10B or HISTORY 10C, not both.**

====Human Development B.S.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

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Select two of the following courses:

ANTHRO 1	Human Evol Biol	(4)		ANTH 120	Biological Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(5)		ANTH 121	Introduction to Cultural Anthropology	(3)
ANTHRO 15	Human Life Cycle	(5)		NO COMPARABLE COURSE		

Select one course from:

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
	OR			OR		
BIOLSCI 10	Everyday Biology	(4)		BIOL 110	Survey of Biology	(4)
	OR			OR		
MIC BIO 10	Natural History of Infectious Diseases	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR		
NE PH B 12	Human Brain and Disease	(3)		NO COMPARABLE COURSE		
MOL&CB 10	Intro Human Heredity	(4)		NO COMPARABLE COURSE		

Select one course from:

HISTORY 17A	U.S. History	(4)		HIST 120	United States History 1	(3)
	OR			OR		
HISTORY 17B	U.S. History	(4)		HIST 121	United States History 2	(3)
	OR			OR		
HISTORY 72A	Am Women & Gender	(4)		HIST 150	History of American Women 1600-1900	(3)
	OR			OR		
HISTORY 72B	Am Women & Gender	(4)		HIST 152	Women in Twentieth Century America	(3)
	OR			OR		
POL SCI 1	Amer Natl Govt	(4)		POLI 120	Introduction to the Principles of American Government	(3)

Select two of the following courses:

PHILOS 5	Critical Reasoning	(4)	PHIL 131	Introduction to Logic (3) and Critical Thinking
PHILOS 15	Intro to Bioethics	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHILOS 30	Intro Philos of Sci	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHILOS 31	Scientific Reason	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHILOS 32	Scientific Change	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
PHILOS 38	Intro Philos of Biol	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation

NE PH B 10	Elem Human Physio	(3)	BIOL 219	Human Physiology (5)
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PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology (3)
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Select one of the following options:

PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology (3)
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OR

SOCI 220	Research Methods in the Behavioral Sciences (3)
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OR

SOCIOL 46A	Intro Social Rsch	(4)
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AND

SOCIOL 46B	Intro Social Rsch	(5)
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OR

STATIST 10	Statist Thinking	(4)
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OR

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

MATH 232	Statistics (4)
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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](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)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	
			PHYS 241	Physics for Scientists (4) & Engineers 3	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)
c) GEOLOGY 50	Physical Geology	(3)	GEOL 110	Physical Geology	(3)
e)					
GEOLOGY 50L	Physical Geol Lab	(2)	GEOL 111	Physical Geology Laboratory	(1)
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		

END OF MAJOR

- d) **This articulation is "series for series" only.**
- c) **This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.**
- e) **If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.**

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

Special Advising Note:

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

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

enrollment.

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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 Environment	(3)	NO COMPARABLE COURSE	
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics (3)
	AND			AND
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics (3)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics (4)
	Same as: STATIST 13Y			
	OR			OR
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus (5)
			OR	
			MATH 120	Calculus I (5)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE	

SIX QUARTER UNITS FROM THE FOLLOWING:

AGRESEC 15	Pop,Envr,World Agri	(4)	NO 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)	BIOL 103 Nutrition Today (3)
PL SCI 1	Agr Nature & Society	(3)	NO COMPARABLE COURSE
PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PL SCI 49	Org Crop Prod Prac	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

FOREIGN LANGUAGE REQUIREMENT:

Students must complete 15-quarter-unit level in one language or pass the foreign language proficiency examination. See <http://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)	BIOL 120	General Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology (5) General Botany (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 (5) General Chemistry 2 (5)

TRADE AND ECONOMIC DEVELOPMENT OPTION:

MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
OR			OR		
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
AGRESEC 15	Pop, Envr, World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

ENVIRONMENTAL ISSUES OPTION:

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

RURAL COMMUNITIES OPTION:

SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
	OR			OR	
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)
HISTORY 4C	Western Civ	(4)	NO COMPARABLE COURSE		
	OR			OR	
b) HISTORY 10C	World History III	(4)	HIST 123	World Civilization 2	(3)
f) POL SCI 2	Intro Comp Politics	(4)	POLI 125	Introduction to Modern Political Ideology	(3)
			OR		
			POLI 135	Comparative Government	(3)
POL SCI 3	Internatl Relations	(4)	POLI 140	International Relations	(3)
POL SCI 12Y	Data Visualization	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Same as: COMUNCN 12Y, PSYCH 12Y				
	SOCIOL 12Y			OR	
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y			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)	submitted course(s) for articulation 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 COMPARABLE COURSE
x) CHINESE 2	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 3	Elem Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 4	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 5	Inter Chinese	(5)	NO COMPARABLE COURSE
x) CHINESE 6	Inter Chinese	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1CN	Mand/Cant Spkrs I	(5)	NO COMPARABLE COURSE
x) CHINESE 2CN	Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE
x) CHINESE 3CN	Mand/Cant Spkrs III	(5)	NO COMPARABLE COURSE
	OR		OR
x) CHINESE 1BL	Accl Wrtn Chinese I	(5)	NO COMPARABLE COURSE
x) CHINESE 2BL	Accl Wrtn Chinese II	(5)	NO COMPARABLE COURSE
x) CHINESE 3BL	Accl Wrtn Chinese III	(5)	NO COMPARABLE COURSE
	OR		OR
FRENCH 1	Elementary French	(5)	FREN 120 First Semester French (5)
FRENCH 2	Elementary French	(5)	FREN 120 <u>&</u> First Semester French (5) FREN 121 Second Semester French (5)
FRENCH 3	Elementary French	(5)	FREN 121 Second Semester French (5)
FRENCH 21	Intermed French	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
FRENCH 22	Intermed French	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
GERMAN 1	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 2	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 3	Elementary German	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 20	Intermediate German	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
GERMAN 21	Intermediate German	(4)	NO COMPARABLE COURSE
	OR		OR
HEBREW 1	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 2	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 3	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 21	Intermed Modern Hebrew I	(4)	NO 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 120	First Semester Italian (5)
ITALIAN 2	Elementary Italian	(5)	ITAL 120 &	First Semester Italian (5)
			ITAL 121	Second Semester Italian (5)
ITALIAN 3	Elementary Italian	(5)	ITAL 121	Second Semester Italian (5)
ITALIAN 4	Interm Italian	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE	
	OR			OR
ITALIAN 1	Elementary Italian	(5)	ITAL 120	First Semester Italian (5)
ITALIAN 2	Elementary Italian	(5)	ITAL 120 &	First Semester Italian (5)
			ITAL 121	Second Semester Italian (5)
ITALIAN 3	Elementary Italian	(5)	ITAL 121	Second Semester Italian (5)
ITALIAN 8A	Italian Convers	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
ITALIAN 8B	Italian Convers	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR
y) JPNESE 1	Elem Japanese	(5)	NO COMPARABLE COURSE	
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 COURSE ARTICULATED: College has not submitted course(s) for articulation	
RUSSIAN 2	Elementary Russian	(5)	NO COMPARABLE COURSE	
RUSSIAN 3	Elementary Russian	(5)	NO COMPARABLE COURSE	
RUSSIAN 4	Intermed Russian	(4)	NO COMPARABLE COURSE	
RUSSIAN 5	Intermed Russian	(4)	NO COMPARABLE COURSE	

Students with only one year or less of Russian at the community college level should consult with an advisor in the Russian Department at UC Davis before continuing on with the Russian series.

	OR			OR
SPANISH 1	Elementary Spanish	(5)	SPAN 120	Elementary Spanish I (5)
SPANISH 2	Elementary Spanish	(5)	SPAN 120 &	Elementary Spanish I (5)
			SPAN 121	Elementary Spanish II (5)
SPANISH 3	Elementary Spanish	(5)	SPAN 121	Elementary Spanish II (5)
SPANISH 21	Intm Spanish	(5)	SPAN 240	Intermediate Spanish I (5)
SPANISH 22	Intm Spanish	(5)	SPAN 241	Intermediate Spanish II (5)
	OR			OR
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 280	Spanish for Heritage Speakers I (5)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 280 &	Spanish for Heritage (5)

				Speakers I	
			SPAN 281	Spanish for Heritage	(5)
				Speakers II	
SPANISH 33	Int Span Nat Spk III	(5)	SPAN 281	Spanish for Heritage	(5)
				Speakers II	
			<u>OR</u>		
			SPAN 282	Introduction to	(3)
				Hispanic Literature	

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

- b) Students who take HIST 123 at Napa Valley College will receive credit at UC Davis for HISTORY 10B or HISTORY 10C, not both.
- f) Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both
- 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 120	First Semester Italian	(5)
ITALIAN 2	Elementary Italian	(5)	ITAL 120 & ITAL 121	First Semester Italian	(5)
				Second Semester Italian	(5)
ITALIAN 3	Elementary Italian	(5)	ITAL 121	Second Semester Italian	(5)
ITALIAN 4	Interm Italian	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ITALIAN 5	Interm Italian	(4)	NO COMPARABLE COURSE		
ITALIAN 9	Reading Italian	(4)	NO COMPARABLE COURSE		

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

END OF MAJOR

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

Special Advising Note:

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

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

Japanese Placement Examination Note:

Students who have studied Japanese previously must take the UC Davis placement examination before enrolling in Japanese language courses at UC Davis. If placement results in duplication of articulated courses below, students might receive only subject credit, not unit credit, for UC Davis courses completed.

See information related to [Japanese placement exams](#) and also information regarding [foreign language placement exams](#). For more information, check with your UC Davis College Dean's Office or department advisor upon enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

y) JPNESE 1	Elem Japanese	(5)	NO COMPARABLE COURSE
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)	NO COMPARABLE COURSE

END OF MAJOR

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

credit may result.

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

Special Advising Note:

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

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

PRE-MAJOR REQUIREMENT:

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
<hr/>					
ENGLISH 3	Intro to Lit	(4)	ENGL 121	Reading and Composition 2	(3)
	OR			OR	
UWRITING 1	Expository Writing	(4)	ENGL 120	Reading and Composition 1	(4)
	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				
<hr/>					
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology & General Botany	(5)
<hr/>					
ENVHORT 6	Intro Environ Plants	(4)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING:

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
STATIST 13	Elementary Statistics	(4)	MATH 120	Calculus I	(5)
	Same as: STATIST 13Y		MATH 232	Statistics	(4)
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory	(3)

ONE COURSE FROM THE FOLLOWING:

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 10	Concept of Chem	(4)	NO COMPARABLE COURSE		
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 10	Topics,Nonscientists	(4)	PHYS 110	Descriptive Physics	(3)
e) GEOLOGY 1	The Earth	(4)	GEOL 110	Physical Geology	(3)
SOILSCI 10	Soils in Our Environment	(3)	NO COMPARABLE COURSE		

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

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

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

END OF MAJOR

e) If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit

<http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

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

College Foreign Language Requirement Note:

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

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

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

LINGUIS 1 Intro Linguistics (4)|NO COMPARABLE COURSE

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

END OF MAJOR

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

Special Advising Note:

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

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

Special Advising Note for Future Applicants*

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

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

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

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

*Information for future applicants is subject to change.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPCOM 120	Interpersonal Communication	(3)
AGRESEC 18	Business Law	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)
PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

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

MGMT 11A	Elem Accounting	(4)	ACCT 125	Financial Accounting	(5)
MGMT 11B	Elem Accounting	(4)	ACCT 126	Managerial Accounting	(5)
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

END OF MAJOR

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

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

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
MATH 16B	Short Calculus	(3)	MATH 120	Calculus I	(5)
MATH 16C	Short Calculus	(3)	MATH 121	Calculus II	(5)
			OR		
MATH 17A	Calculus for BioSci	(4)	NO COMPARABLE COURSE		
			OR		
			NO COURSE ARTICULATED: College has not		

MATH 17B	Calculus for Biosci	(4)		submitted course(s) for articulation	
				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 120	Calculus I (5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II (5)
MATH 21C	Calculus	(4)		MATH 221	Multivariable Calculus (5)

PHYSICS 7A	General Physics	(4)		PHYS 120	& General Physics 1 (4)
				PHYS 121	General Physics 2 (4)
PHYSICS 7B	General Physics	(4)		PHYS 120	& General Physics 1 (4)
				PHYS 121	General Physics 2 (4)
PHYSICS 7C	General Physics	(4)		PHYS 120	& General Physics 1 (4)
				PHYS 121	General Physics 2 (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	
d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	& Physics for Scientists (4) and Engineers 1
				PHYS 240	& Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140	& Physics for Scientists (4) and Engineers 1
				PHYS 240	& Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140	& Physics for Scientists (4) and Engineers 1
				PHYS 240	& Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not	
				submitted course(s) for articulation	

GEOLOGY 16	The Oceans	(3)		NO COURSE ARTICULATED: College has not	
				submitted course(s) for articulation	

END OF MAJOR

d) This articulation is "series for series" only.

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

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

Any required courses that are offered at your current campus must be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
AND			AND		
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			OR		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			OR		
			CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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	
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
GEOLOGY 16	The Oceans	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

d) This articulation is "series for series" only.

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

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7C	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)

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

	OR		OR		
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists	(4)

					and Engineers 1
				PHYS 240	<u>&</u> Physics for Scientists (4)
					& Engineers 2
				PHYS 241	Physics for Scientists (4)
					& Engineers 3
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140	<u>&</u> Physics for Scientists (4)
					and Engineers 1
				PHYS 240	<u>&</u> Physics for Scientists (4)
					& Engineers 2
				PHYS 241	Physics for Scientists (4)
					& Engineers 3
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140	<u>&</u> Physics for Scientists (4)
					and Engineers 1
				PHYS 240	<u>&</u> Physics for Scientists (4)
					& Engineers 2
				PHYS 241	Physics for Scientists (4)
					& Engineers 3

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation
GEOLOGY 16	The Oceans	(3)		NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation

END OF MAJOR

d) This articulation is "series for series" only.

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

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

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

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

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

Visit <http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/>

for details regarding the marine and coastal science undergraduate major.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
MATH 16A	Short Calculus	(3)	MATH 115 OR MATH 120	Applied Calculus Calculus I	(5) (5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
PHYSICS 7A	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)
PHYSICS 7B	General Physics	(4)	PHYS 120 & PHYS 121	General Physics 1 General Physics 2	(4) (4)

PHYSICS 7C	General Physics	(4)		PHYS 120	&	General Physics 1	(4)
				PHYS 121	&	General Physics 2	(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		
d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	&	Physics for Scientists (4) and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists (4) & Engineers 2	(4)
				PHYS 241		Physics for Scientists (4) & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)		PHYS 140	&	Physics for Scientists (4) and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists (4) & Engineers 2	(4)
				PHYS 241		Physics for Scientists (4) & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)		PHYS 140	&	Physics for Scientists (4) and Engineers 1	(4)
				PHYS 240	&	Physics for Scientists (4) & Engineers 2	(4)
				PHYS 241		Physics for Scientists (4) & Engineers 3	(4)

STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation			
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GEOLOGY 16	The Oceans	(3)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation			
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END OF MAJOR

d) This articulation is "series for series" only.

===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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(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 221 Multivariable Calculus (5)
MATH 22B	Differntl Equations	(3)	MATH 222 Differential Equations (3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 220	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	(4)	COMS 120	Introductory Programming Logic	(3)
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ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE
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END OF MAJOR

====Mathematical Analytics and Operations Research B.S.====

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 220	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)	COMS 120	Introductory	(3)
	Formerly ENG CS 10			Programming Logic	

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

ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of	(3)
				Microeconomics	
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of	(3)
				Macroeconomics	

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

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

Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details

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

Special Advising Note for future applicants:*

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

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

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

-Mathematics 21A/B/C/D

-Mathematics 22A or Mathematics 67

-Mathematics 22B

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)	MATH 220	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)		COMS 120	Introductory	(3)
	Formerly ENG CS 10			Programming Logic	
	OR			OR	
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		

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

**12 QUARTER UNITS OF ADDITIONAL NON-MATHEMATICS COURSES
CHOSEN FROM NATURAL SCIENCES**

END OF MAJOR

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

Special Advising Note:

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

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

Special Advising Note for future applicants:*

Beginning fall 2020, the major mathematics will become selective and will require preparatory coursework for admission. Any required courses that are

offered at your current campus will need to be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses will not be offered at your college, you must complete them after enrolling at UC Davis.

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

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

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

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

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

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

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

Recommended Language Preparation Note:

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

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

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

MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22B	Differntl Equations	(3)	MATH 222	Differential Equations	(3)
MATH 22AL	Lin Alg Comp Lab	(1)	NO COURSE	ARTICULATED: College has not	

|submitted course(s)for articulation

or equivalent basic knowledge of MATLAB.

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students can learn it on their own, enroll in Engineering 6, Mechanical Engineering 5 or in the one unit course Mathematics 22AL (may be taken concurrently).

BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra	(3)		MATH 220	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)			COMS 120	Introductory	(3)
	Formerly ENG CS 10				Programming Logic	
	OR			OR		
ENGIN 6	Engr Prob Solving	(4)		NO COMPARABLE COURSE		

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

PLAN 1: GENERAL MATHEMATICS

d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	& Physics for Scientists (4) and Engineers 1
				PHYS 240	& Physics for Scientists (4) & Engineers 2
				PHYS 241	Physics for Scientists (4) & Engineers 3

PLAN 2: MATHEMATICS FOR SECONDARY TEACHING

PHYSICS 7A	General Physics	(4)		PHYS 120	& General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
	OR			OR		
d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	& Physics for Scientists (4) and Engineers 1	
				PHYS 240	& Physics for Scientists (4) & Engineers 2	
				PHYS 241	Physics for Scientists (4) & Engineers 3	
	OR			OR		
STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					
	OR			OR		
STATIST 32	Gateway to Data Science	(4)		NO COMPARABLE COURSE		

END OF MAJOR

d) This articulation is "series for series" only.

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

Special Advising Note:

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

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

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

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

Special Advising Note:

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

General Education (GE) Note:

For information concerning satisfaction of UC Davis GE requirements, please go

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

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

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

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

END OF MAJOR

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

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

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

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

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

 MEDV-ST 20A Medieval Culture (5) | NO COMPARABLE COURSE
 MEDV-ST 20B Medieval Culture (5) | NO COMPARABLE COURSE

THREE COURSES FROM THE FOLLOWING:

ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 106	Art History: Renaissance to Contemporary Art	(3)
ARTHI 1C	Baroque to Modern Art	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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	
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 213	Survey of British Literature 1	(3)
GERMAN 48	Myth & Saga	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
HISTORY 4A	Western Civ	(4)	NO COMPARABLE COURSE		
HISTORY 4B	Western Civ	(4)	NO COMPARABLE COURSE		
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)	PHIL 120	Introduction to Philosophy 1	(3)
PHILOS 22	Phil Classics: Modern	(4)	NO COMPARABLE COURSE		

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

END OF MAJOR

k) Students who complete PHIL 120 at Napa Valley College will receive credit at UC Davis for either PHILOS 1 or 21, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 21.

====Microbiology A.B.====

Special Advising Note:

The following majors in the College of the Biological Sciences--biochemistry and molecular biology; biological sciences; cell biology; evolution, ecology, and

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

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

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

See the B.S. degree in this major for additional course articulation information.

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Botany	(5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241	Organic Chemistry 2	(4)
				<u>OR</u>		
				CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)
<hr/>						
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)

CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

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

END OF MAJOR

====Microbiology B.S.====

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
<hr/>						
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240	<u>&</u> Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
PHYSICS 7A	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120	<u>&</u> General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

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

MIC BIO 91	Intro Research	(1)	NO COURSE ARTICULATED		
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RECOMMENDED:

MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
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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 COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE

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

ARABIC 1	Elementary Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 2	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 3	Elem Arabic	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 21	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 22	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
ARABIC 23	Intermed Arabic	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR			OR
HEBREW 1	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 2	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 3	Elem Hebrew	(5)	NO COMPARABLE COURSE
HEBREW 21	Intermed Modern Hebrew I	(4)	NO 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 COURSE ARTICULATED: College has not submitted course(s) for articulation
COMPLIT 53B	Lit of South Asia	(4)	NO COMPARABLE COURSE
COMPLIT 53C	Lit of the Islamic World	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 21	The Bible	(4)	NO COMPARABLE COURSE
REL STD 23	Intro Judaism	(4)	NO COMPARABLE COURSE
REL STD 60	Introduction to Islam	(4)	NO COMPARABLE COURSE
REL STD 65C	The Qur'an and Its Interpretation	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 68	Hinduism	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

END OF MAJOR

====Music A.B.====

Special Advising Note:

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

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

Diagnostic Examination Note:

Students completing the program of courses below achieve a fundamental grounding in music theory, music history, and performance. Upon admission to UC Davis, students will demonstrate required proficiency through a diagnostic exam as part of their initial academic planning and advisement. Students will be scheduled for specific courses appropriate to their proficiency level.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit

<http://tag.ucdavis.edu> for details regarding UC Davis TAG.

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

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

College Foreign Language Requirement Note:

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

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

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

MUSIC 2A	Keyboard Competence	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 2B	Keyboard Competence	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 2C	Keyboard Competence	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

MUSIC 6A	Elementary Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 6B	Elementary Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 6C	Elementary Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

MUSIC 7A	Intermediate Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 7B	Intermediate Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MUSIC 7C	Intermediate Theory	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

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

THROUGH EXAMINATION

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

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

MUSIC 24A	Intro Music History	(3)	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
<hr/>			
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)	ANTH 121 Introduction to Cultural Anthropology (3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE
ANTHRO 24	Ancient Crops and People	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
A A STD 1	Hist Exp Asian Am	(4)	NO COMPARABLE COURSE
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)	HUMA 113 Introduction to Mexican-American and Chicano Studies (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)	BIOL 112 Introduction to Ecology (3)
ENV S&P 10 not open for credit to students who have completed ENV S&P 1			
HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7C	Latin America 1900-Present	(4)	HIST 140 Modern Latin America (3)
HISTORY 17A	U.S. History	(4)	HIST 120 United States History (3)
LINGUIS 1	Intro Linguistics	(4)	NO COMPARABLE COURSE

END OF MAJOR

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

IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

The Natural Sciences major is discontinued for new applicants effective the

2018-19 application cycle.

END OF MAJOR

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

Special Advising Note:

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

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

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)
			<u>OR</u>		
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
			<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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](http://ucdavis.edu/transfer). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment.

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
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CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
<hr/>						
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				OR		
CHEM 8B	Organic Chem-Brief	(4)		CHEM 241	Organic Chemistry 2	(4)
				OR		
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				OR		
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 241	Organic Chemistry 2	(4)
				OR		
CHEM 128A	Organic Chemistry	(3)		CHEM 240	Organic Chemistry 1	(4)

CHEM 128B	Organic Chemistry	(3)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)

NUTR 10	Discoveries and Concepts	(3)	BIOL 103	Nutrition Today	(3)

PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral Sciences	(3)
			OR		
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		

The remaining preparatory subject matter is based on which major option you choose:

NUTRITIONAL BIOLOGY OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
			OR		
PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
			OR		
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
			OR		
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)

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

NUTRITION IN PUBLIC HEALTH OPTION:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
			OR		
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
			OR		
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)

ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)

PSYCH 1	General Psychology	(4)	PSYC 120	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
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Cultural Diversity and Community Change Area:

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

Natural and Applied Sciences Area:

CM&RGDE 20	Food Systems	(4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 15	Intro to Bioethics	(4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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	
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1	
			PHYS 240 &	Physics for Scientists (4) & Engineers 2	

d) PHYSICS 9B	Classical Physics	(5)	PHYS 241	Physics for Scientists (4) & Engineers 3
			PHYS 140	& Physics for Scientists (4) and Engineers 1
			PHYS 240	& Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140	& Physics for Scientists (4) and Engineers 1
			PHYS 240	& Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
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MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus (5)
			OR	
			MATH 120	Calculus I (5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II (5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE	
	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 120	Calculus I (5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II (5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus (5)
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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology (4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240	& General Zoology (5)
			BIOL 241	General Botany (5)
	OR		OR	
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240	& General Zoology (5)
			BIOL 241	General Botany (5)
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STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics (4)
	Same as: STATIST 13Y			
	OR		OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE	
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CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1 (4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240	& Organic Chemistry 1 (4)
			CHEM 241	Organic Chemistry 2 (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2 (4)
	OR		OR	
CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1 (4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240	& Organic Chemistry 1 (4)
			CHEM 241	Organic Chemistry 2 (4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241	Organic Chemistry 2 (4)
CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1 (4)
CHEM 129B	Organic Chem Lab	(2)	CHEM 240	& Organic Chemistry 1 (4)
			CHEM 241	Organic Chemistry 2 (4)
CHEM 129C	Organic Chem Lab	(2)	CHEM 241	Organic Chemistry 2 (4)

END OF MAJOR

d) This articulation is "series for series" only.

====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)|NO COMPARABLE COURSE

AND ONE COURSE FROM ANY THREE OF THE FOLLOWING AREAS

a. GENERAL PHILOSOPHY

k) PHILOS 1 Intro to Philos (4)|PHIL 120 Introduction to (3)

				Philosophy 1	
		<u>OR</u>			
		PHIL 121		Introduction to Philosophy 2	(3)

b. ANCIENT PHILOSOPHY

PHILOS 21	Phil Classics: Ancient	(4)	PHIL 120	Introduction to Philosophy 1	(3)
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c. EARLY MODERN PHILOSOPHY

PHILOS 22	Phil Classics: Modern	(4)	NO COMPARABLE COURSE		
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d. PHILOSOPHY OF MIND

PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
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e. ETHICS:

j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125	Introduction to Ethics	(3)
			<u>OR</u>		
			PHIL 126	Contemporary American Ethics	(3)
	<u>OR</u>			<u>OR</u>	
PHILOS 15	Intro to Bioethics	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
PHILOS 24	Intro to Ethics	(4)	PHIL 125	Introduction to Ethics	(3)
			<u>OR</u>		
			PHIL 128	Social and Political Philosophy	(3)

f. PHILOSOPHY OF SCIENCE

PHILOS 30	Intro Philos of Sci	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
PHILOS 31	Scientific Reason	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
PHILOS 32	Scientific Change	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	
	<u>OR</u>			<u>OR</u>	
PHILOS 38	Intro Philos of Biol	(4)	NO COURSE	ARTICULATED: College has not submitted course(s) for articulation	

g. PHILOSOPHY OF LANGUAGE

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

ONE COURSE FROM THE FOLLOWING:

j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125	Introduction to Ethics	(3)
			<u>OR</u>		
			PHIL 126	Contemporary American Ethics	(3)

PHILOS 15	Intro to Bioethics	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 16	Phil Foundations of Amer Democ	(4)		NO COURSE ARTICULATED: College has not submitted course(s)for articulation

ALL OF THE FOLLOWING COURSES:

PHILOS 5	Critical Reasoning	(4)		PHIL 131 Introduction to Logic (3) and Critical Thinking
PHILOS 12	Intro to Symbol Logic	(4)		NO COMPARABLE COURSE
PHILOS 24	Intro to Ethics	(4)		PHIL 125 Introduction to Ethics (3)
				<u>OR</u>
				PHIL 128 Social and Political (3) Philosophy

PRE-MED EMPHASIS:

ONE COURSE FROM THE FOLLOWING:

PHILOS 24	Intro to Ethics	(4)		PHIL 125 Introduction to Ethics (3)
				<u>OR</u>
				PHIL 128 Social and Political (3) Philosophy
PHILOS 30	Intro Philos of Sci	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 31	Scientific Reason	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 32	Scientific Change	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ALL OF THE FOLLOWING COURSES:

PHILOS 12	Intro to Symbol Logic	(4)		NO COMPARABLE COURSE
PHILOS 15	Intro to Bioethics	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 38	Intro Philos of Biol	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation

END OF MAJOR

- k) Students who complete PHIL 120 at Napa Valley College will receive credit at UC Davis for either PHILOS 1 or 21, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 21.
- j) Students who complete PHIL 125 at Napa Valley College will receive credit at UC Davis for either PHILOS 14 or 24, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 24.

====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.

d) PHYSICS 9A	Classical Physics	(5)		PHYS 140	&	Physics for Scientists (4)
						and Engineers 1
				PHYS 240	&	Physics for Scientists (4)

Special Advising Note for future applicants:*

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

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

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

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

*Information for future applicants is subject to change

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4) & Engineers 2
			PHYS 241	Physics for Scientists (4) & Engineers 3
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists (4) and Engineers 1
			PHYS 240 &	Physics for Scientists (4)

reduces time to degree.

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

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

Chemistry 2A/B/C

Biological Sciences 2A/B/C

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

Organic Chemistry series cited on ASSIST for your major*

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

Education(GE) Note:

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

College Foreign Language Requirement Note:

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			<u>OR</u>		
			CHEM 241	Organic Chemistry 2	(4)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				

RECOMMENDED COURSES:

CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)
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END OF MAJOR**====Plant Biology B.S.====****Special Advising Note:**

The following majors in the College of the Biological Sciences--biochemistry and

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

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

REQUIREMENTS FOR ADMISSION:
(for 2019-20)

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

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

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

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

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

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

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			<u>OR</u>		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 & CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
			<u>OR</u>		
	<u>OR</u>		CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	<u>OR</u>		<u>OR</u>		
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)

PHYSICS 7A	General Physics	(4)		PHYS 120 &	General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)		PHYS 120 &	General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)		PHYS 120 &	General Physics 1	(4)
				PHYS 121	General Physics 2	(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 221	Multivariable Calculus	(5)

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.

English Composition Requirement for the Bachelor's Degree:

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

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

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

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

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

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)		BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
PL SCI 2	Bot Physio Cul Plt	(4)		NO COMPARABLE COURSE		
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)

	OR			OR	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 &	Organic Chemistry 1	(4)
			CHEM 241	Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	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		

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

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

ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE		
	OR			OR	
PL SCI 49	Org Crop Prod Prac	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

COURSES FOR THE CROP PRODUCTION OPTION:					
ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics	(3)
	OR			OR	
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

====Political Science - Public Service A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

POL SCI 1	Amer Natl Govt	(4)		POLI 120	Introduction to the	(3)
					Principles of American	
					Government	

THREE COURSES FROM THE FOLLOWING:

f) POL SCI 2	Intro Comp Politics	(4)		POLI 125	Introduction to Modern	(3)
					Political Ideology	
				OR		
POL SCI 3	Internatl Relations	(4)		POLI 135	Comparative Government	(3)
				POLI 140	International	(3)
					Relations	
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)		POLI 125	Introduction to Modern	(3)
					Political Ideology	
POL SCI 5	Probs/Am Pol Sys	(4)		POLI 121	Introduction to the	(3)
					Principles of American	
					Government II	
POL SCI 7	Law & Politics	(4)		NO COMPARABLE COURSE		

POL SCI 51	Scientific Study of Politics	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
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ONE COURSE FROM THE FOLLOWING:

POL SCI 12Y	Data Visualization	(4)		NO COURSE ARTICULATED: College has not submitted course(s)for articulation		
	Same as: COMUNCN 12Y, PSYCH 12Y					
	SOCIOL 12Y					
STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					

f) Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both

====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)		POLI 120	Introduction to the	(3)
					Principles of American	
					Government	
f) POL SCI 2	Intro Comp Politics	(4)		POLI 125	Introduction to Modern	(3)

Political Ideology

OR

POL SCI 3	Internatl Relations	(4)	POLI 135	Comparative Government (3)
			POLI 140	International Relations (3)
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125	Introduction to Modern Political Ideology (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)	POLI 120	Introduction to the Principles of American Government (3)
f) POL SCI 2	Intro Comp Politics	(4)	POLI 125	Introduction to Modern Political Ideology (3)

OR

POL SCI 3	Internatl Relations	(4)	POLI 135	Comparative Government (3)
			POLI 140	International Relations (3)
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125	Introduction to Modern Political Ideology (3)
POL SCI 5	Probs/Am Pol Sys	(4)	POLI 121	Introduction to the Principles of American Government II (3)

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

OR

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics (4)
	Same as: STATIST 13Y			

OR

OR

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

f) Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both

====Psychology A.B.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

This major is selective and requires preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by

the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

Psychology 1;

Statistics 13;

One of these two options:

Biological Sciences 2A,

or

*Biological Sciences 10 and one course from:

Anthropology 1 or

Molecular and Cellular Biology 10 or

Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major, without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

*Students planning for a B.S. degree in psychology with biological emphasis are encouraged to complete Biological Sciences 2A rather than Biological Sciences 10. Also, although only one biological sciences course is required for admission, students interested in pursuing a B.S. degree with biological emphasis are encouraged to complete the recommended courses shown on ASSIST.

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

College Foreign Language Requirement Note:

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

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

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

PSYCH 1	General Psychology	(4)		PSYC 120	General Psychology	(3)
PSYCH 41	Research Methods	(4)		PSYC 220	Research Methods in Psychology	(3)
				OR		
				SOCI 220	Research Methods in the Behavioral Sciences	(3)

STATIST 13	Elementary Statistics	(4)		MATH 232	Statistics	(4)
	Same as: STATIST 13Y					

BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120	General Biology	(4)

OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)		BIOL 110	Survey of Biology	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)		ANTH 120	Biological Anthropology	(3)
				OR		
MOL&CB 10	Intro Human Heredity	(4)		NO COMPARABLE COURSE		
				OR		
NE PH B 10	Elem Human Physio	(3)		BIOL 219	Human Physiology	(5)

END OF MAJOR

====Psychology B.S. (Biological)====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2019-20)

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

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

Psychology 1;

Statistics 13;

One of these two options:

Biological Sciences 2A,

or

*Biological Sciences 10 and one course from:

Anthropology 1 or

Molecular and Cellular Biology 10 or

Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major, without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

*Students planning for a B.S. degree in psychology with biological emphasis are encouraged to complete Biological Sciences 2A rather than Biological Sciences 10. Also, although only one biological sciences course is required for admission, students interested in pursuing a B.S. degree with biological emphasis are encouraged to complete the recommended courses shown on ASSIST.

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral Sciences	(3)
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				
MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 110	Descriptive 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 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

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

physics.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 OR CHEM 111	Organic Chemistry 2 Introduction to Organic and Biological Chemistry	(4) (4)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)
CHEM 128A	Organic Chemistry	(3)	CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 & CHEM 241	Organic Chemistry 1 Organic Chemistry 2	(4) (4)

END OF MAJOR

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

Special Advising Note:

REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 2.90 for the course group. It is recommended that candidates have a cumulative GPA of at least 2.90 for courses in the group below that have been completed by the time of application and maintain the GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

Psychology 1;

Statistics 13;

One of these two options:

Biological Sciences 2A

or

Biological Sciences 10 and one course from:
Anthropology 1 or
Molecular and Cellular Biology 10 or
Neurobiology, Physiology and Behavior 10

Applicants to psychology apply to the major without reference to A.B. or B.S. degrees or emphases, which are chosen after enrollment at UC Davis. Transfer students are advised that although requirements for admission (listed above) in the psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with available biological and quantitative emphases.

Although not required for admission selection to the psychology major, it is highly recommended that students planning for a B.S. degree in psychology complete courses comparable to the UC Davis chemistry courses that apply to the student's degree and emphasis before enrolling at UC Davis.

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

PSYCH 1	General Psychology	(4)	PSYC 120	General Psychology	(3)
PSYCH 41	Research Methods	(4)	PSYC 220	Research Methods in Psychology	(3)
			OR		
			SOCI 220	Research Methods in the Behavioral	(3)

Sciences

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
Same as: STATIST 13Y					
MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
Formerly ENG CS 30					
OR					
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory Programming Logic	(3)
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)	NO COMPARABLE COURSE		
OR			OR		
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
OR			OR		
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PHYSICS 10	Topics, Nonscientists	(4)	PHYS 110	Descriptive Physics	(3)
OR			OR		
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
OR			OR		
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)
PHYSICS 7B	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(4)

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

BIOLSCI 2A	Intro Biology: Life on Earth	(5)	BIOL 120	General Biology	(4)
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OR A COMBINATION OF

BIOLSCI 10	Everyday Biology	(4)	BIOL 110	Survey of Biology	(4)
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AND ONE COURSE FROM

ANTHRO 1	Human Evol Biol	(4)	ANTH 120	Biological Anthropology	(3)
OR			OR		
MOL&CB 10	Intro Human Heredity	(4)	NO COMPARABLE COURSE		
OR			OR		

====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)	PHIL 137	Comparative Religions	(3)
REL STD 1A	Pilgrimage	(4)	NO COMPARABLE COURSE		
REL STD 1B	Death and Afterlife	(4)	NO COMPARABLE COURSE		
REL STD 1C	Sacrifice	(4)	NO COMPARABLE COURSE		
REL STD 1D	Conversion	(4)	NO COURSE ARTICULATED:	College has not	
				submitted course(s) for articulation	
REL STD 1E	Fundamentalism	(4)	NO COURSE ARTICULATED:	College has not	

REL STD 1F	Religion Today	(4)	submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
REL STD 1G	Myth Ritual Symbol	(4)	NO COMPARABLE COURSE
REL STD 1H	Sex, Marriage, Divorce	(4)	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 COURSE ARTICULATED: College has not submitted course(s) for articulation
RUSSIAN 2	Elementary Russian	(5)	NO COMPARABLE COURSE
RUSSIAN 3	Elementary Russian	(5)	NO COMPARABLE COURSE
RUSSIAN 4	Intermed Russian	(4)	NO COMPARABLE COURSE
RUSSIAN 5	Intermed Russian	(4)	NO COMPARABLE COURSE
RUSSIAN 6	Intermed Russian	(4)	NO COMPARABLE COURSE

END OF MAJOR

====Science & Technology Studies A.B.====

Special Advising Note:

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

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

Transfer Admission Guarantee (TAG) Note:

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SCI&TEC 1	Intro Sci & Tech Std	(4)	NO COMPARABLE COURSE
SCI&TEC 20	Sci & Tec Std Methods	(4)	NO COMPARABLE COURSE

8 QUARTER UNITS FROM THE FOLLOWING:

AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
AMR STD 1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
AMR STD 5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HUMAN 3	Medicine & Humanities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 30	Intro Philos of Sci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 31	Scientific Reason	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PHILOS 32	Scientific Change	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
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

4 quarter units of lower-division science courses from the Approved Science Electives list. To see the list, click on <http://sts.ucdavis.edu/undergraduate/sts-major-requirements>

END OF MAJOR

====Sociology A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for AP and IB are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)		SOCI 120	Introduction to	(3)
					Sociology	

SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
	AND		AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE

ONE COURSE FROM THE FOLLOWING:

SOCIOL 2	Self and Society	(4)	SOCI 123 Social Psychology (3)
			Same as: PSYC 123
SOCIOL 3	Social Problems	(4)	SOCI 122 Introduction to Social (3)
			Problems
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COMPARABLE COURSE
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE
SOCIOL 30A	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
SOCIOL 30B	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation

ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121 Introduction to (3)
			Cultural Anthropology
	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)	NO COMPARABLE COURSE
HISTORY 4C	Western Civ	(4)	NO COMPARABLE COURSE
HISTORY 6	Intro to Middle East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
HISTORY 7C	Latin America 1900-Present	(4)	HIST 140 Modern Latin America (3)
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE
HISTORY 9A	East Asian Civ	(4)	NO COMPARABLE COURSE
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE
b) HISTORY 10C	World History III	(4)	HIST 123 World Civilization 2 (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 120 United States History (3)
			1
HISTORY 17B	U.S. History	(4)	HIST 121 United States History (3)
			2

ONE COURSE FROM THE FOLLOWING:

PHILOS 5	Critical Reasoning	(4)	PHIL 131 Introduction to Logic (3)
			and Critical Thinking
j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125 Introduction to Ethics (3)
			OR
			PHIL 126 Contemporary American (3)
			Ethics
PHILOS 24	Intro to Ethics	(4)	PHIL 125 Introduction to Ethics (3)
			OR
			PHIL 128 Social and Political (3)
			Philosophy

SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE	
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE	
	AND			AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology (3)
	OR			OR
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE	
b) HISTORY 10C	World History III	(4)	HIST 123	World Civilization 2 (3)
	OR			OR
f) POL SCI 2	Intro Comp Politics	(4)	POLI 125	Introduction to Modern Political Ideology (3)
			OR	
			POLI 135	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

- b) Students who take HIST 123 at Napa Valley College will receive credit at UC Davis for HISTORY 10B or HISTORY 10C, not both.
- f) Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both

====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](http://tag.ucdavis.edu). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See

additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)
	OR			OR	
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COMPARABLE COURSE		
	OR			OR	
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND			AND	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)	NO COMPARABLE COURSE		
POL SCI 1	Amer Natl Govt	(4)	POLI 120	Introduction to the Principles of American Government	(3)
POL SCI 3	Internatl Relations	(4)	POLI 140	International Relations	(3)
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125	Introduction to Modern Political Ideology	(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)	NO COMPARABLE COURSE		
HISTORY 4C	Western Civ	(4)	NO COMPARABLE COURSE		
HISTORY 6	Intro to Middle East	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 7A	Latin America to 1700	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
HISTORY 7B	Latin America 1700-1900	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

HISTORY 7C	Latin America 1900-Present	(4)	HIST 140	Modern Latin America	(3)
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE		
HISTORY 9A	East Asian Civ	(4)	NO COMPARABLE COURSE		
HISTORY 9B	East Asian Civ	(4)	NO COMPARABLE COURSE		
b) HISTORY 10C	World History III	(4)	HIST 123	World Civilization 2	(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 120	United States History	(3)
				1	
HISTORY 17B	U.S. History	(4)	HIST 121	United States History	(3)
				2	

PHILOS 5	Critical Reasoning	(4)	PHIL 131	Introduction to Logic and Critical Thinking	(3)
	OR			OR	
j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125	Introduction to Ethics	(3)
			OR		
			PHIL 126	Contemporary American Ethics	(3)
	OR			OR	
PHILOS 24	Intro to Ethics	(4)	PHIL 125	Introduction to Ethics	(3)
			OR		
			PHIL 128	Social and Political Philosophy	(3)

END OF MAJOR

- f) Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both
- b) Students who take HIST 123 at Napa Valley College will receive credit at UC Davis for HISTORY 10B or HISTORY 10C, not both.
- j) Students who complete PHIL 125 at Napa Valley College will receive credit at UC Davis for either PHILOS 14 or 24, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 24.

====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](http://ucdavis.edu/transfer-admission). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE.

IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#). Quick reference charts for AP and IB are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
SOCIOL 2	Self and Society	(4)	SOCI 123	Social Psychology	(3)
	OR			OR	
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE		
	AND		AND		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE		
PSYCH 1	General Psychology	(4)	PSYC 120	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 COMPARABLE COURSE		
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPARABLE COURSE		
CHICANO 10	Intro to Chic Std	(4)	HUMA 113	Introduction to Mexican-American and Chicano Studies	(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 COURSE ARTICULATED: College has not submitted course(s) for articulation		
SOCIOL 30B	Multicultural Societies	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

END OF MAJOR

====Sociology-Organizational Studies A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for AP and IB are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
	AND			AND	
SOCIOL 2	Self and Society	(4)	SOCI 123	Social Psychology	(3)
				Same as: PSYC 123	
SOCIOL 4	Immigrtn & Opprtnty	(4)	NO COMPARABLE COURSE		
	OR		OR		
SOCIOL 5	Global Soc Change	(4)	NO COMPARABLE COURSE		
	OR		OR		
SOCIOL 11	Sociology of Labor and Employment	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE	
	AND			AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	

ECON 1A	Princ of Microecon	(4)	ECON 101	Principles of Microeconomics (3)
	AND			AND
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics (3)

END OF MAJOR

====Spanish A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

SPANISH 1	Elementary Spanish	(5)	SPAN 120	Elementary Spanish I	(5)
SPANISH 2	Elementary Spanish	(5)	SPAN 120 &	Elementary Spanish I	(5)
			SPAN 121	Elementary Spanish II	(5)
SPANISH 3	Elementary Spanish	(5)	SPAN 121	Elementary Spanish II	(5)
SPANISH 21	Intm Spanish	(5)	SPAN 240	Intermediate Spanish I	(5)
SPANISH 22	Intm Spanish	(5)	SPAN 241	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)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
SPANISH 31	Int Span Nat Spk I	(5)	SPAN 280	Spanish for Heritage Speakers I	(5)
SPANISH 32	Int Span Nat Spk II	(5)	SPAN 280 &	Spanish for Heritage Speakers I	(5)
			SPAN 281	Spanish for Heritage Speakers II	(5)
SPANISH 33	Int Span Nat Spk III	(5)	SPAN 281	Spanish for Heritage Speakers II	(5)
			OR		
			SPAN 282	Introduction to Hispanic Literature	(3)

It is recommended that transfer students who have successfully completed a two-year sequence at the junior college level comparable to UC Davis Spanish 1 through 22 continue their study at UC Davis by taking Spanish 23. When available at the community college students are encouraged to complete courses comparable to Spanish 23 and 24. Students should consult a Spanish Department advisor at UC Davis upon enrollment.

LINGUIS 1 Intro Linguistics (4) | NO COMPARABLE COURSE

END OF MAJOR

====Statistics A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

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Transfer Admission Guarantee (TAG) Note:

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Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
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MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
<hr/>					
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory Programming Logic	(3)
	Formerly ENG CS 10			OR	
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30			OR	
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

STATIST 32 Gateway to Data Science (4) | NO COMPARABLE COURSE

END OF MAJOR

====Statistics B.S. (Applied Statistics Option)====

Special Advising Note:

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Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG 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 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE		
	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 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)

NOTE: THE MATH 21A,B,C SERIES IS RECOMMENDED IF AVAILABLE

MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
ENG CS 32A	Intro to Programming(4)		COMS 120	Introductory	(3)

Formerly ENG CS 10			Programming Logic
	OR		OR
ENG CS 36A Programming	(4)	COMS 215	Programming Concepts (3)
Formerly ENG CS 30			and Methodology I
	OR		OR
ENG CS 36B Object-Oriented Program	(4)	COMS 216	Programming Concepts (3)
Formerly ENG CS 40			and Methodology II

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 232 Statistics (4)
Same as: STATIST 13Y		
STATIST 32 Gateway to Data Science	(4)	NO COMPARABLE COURSE

PLUS TWO INTRODUCTORY COURSES SERVING AS THE PREREQUISITE TO UPPER DIVISION COURSES IN A CHOSEN DISCIPLINE TO WHICH STATISTICS IS APPLIED.

END OF MAJOR

====Statistics B.S. (Computational Statistics Option)====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

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Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

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MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)

ENG CS 36C	Data Structures	(4)	NO COMPARABLE COURSE		
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 232	Statistics	(4)
Same as: STATIST 13Y					
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====Statistics B.S. (General Statistics Option)====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts

partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
<hr/>					
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
	OR			OR	
MATH 67	Modern Linear Algebra	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
MATH 25	Advanced Calculus	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
<hr/>					
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory Programming Logic	(3)
	Formerly ENG CS 10			OR	
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30			OR	
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				

Please note that the community college's computer science courses may not be identical to UC Davis courses. Community college students, upon transfer to UC Davis, may need to make up any topic or language deficiencies.

AND ONE COURSE FROM

STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				
STATIST 12	Discrete Probabil	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

====Statistics B.S. (Statistical Data Science Track)====

Special Advising Note:

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Transfer students must also meet UC transfer admission requirements. For details

see the UC Davis [transfer admission website](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

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MATH 21A	Calculus	(4)	MATH 120	Calculus I	(5)
MATH 21B	Calculus	(4)	MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)	MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)	MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)	MATH 220	Linear Algebra	(3)
ENG CS 32A	Intro to Programming	(4)	COMS 120	Introductory Programming Logic	(3)
	Formerly ENG CS 10				
	OR			OR	
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30				
	OR			OR	
ENG CS 36B	Object-Oriented Program	(4)	COMS 216	Programming Concepts and Methodology II	(3)
	Formerly ENG CS 40				
STATIST 12	Discrete Probabil	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics	(4)
	Same as: STATIST 13Y				
	OR			OR	
STATIST 32	Gateway to Data Science	(4)	NO COMPARABLE COURSE		

END OF MAJOR

====Sustainable Agriculture and Food Systems B.S.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses

as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

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CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the

same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

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COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
PL SCI 15	Intro Sustainable Agriculture	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
CM&RGDE 20	Food Systems	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
PL PATH 40	Edible Mushroom Cult	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
PL SCI 49	Org Crop Prod Prac	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

Select one of the following courses:

AN SCI 41L	Domest An Prod Lab	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49A	Animal Prac/Aquaculture	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49B	Animal Prac/Beef	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49C	Animal Prac/Dairy	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49D	Animal Prac/Goats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49E	Animal Prac/Horses	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49F	Animal Prac/Lab Animals	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49G	Animal Prac/Meats	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49H	Animal Prac/Poultry	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49I	Animal Prac/Sheep	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
AN SCI 49J	Animal Prac/Swine	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
ABIOSYT 49	Fld Equip Oper	(2)	NO COMPARABLE COURSE		
	OR			OR	
ABIOSYT 52	Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

PLUS CHOOSE ONE OF THE FOLLOWING THREE TRACKS:

TRACK I: AGRICULTURE AND ECOLOGY

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		

MATH 16B	Short Calculus	(3)	MATH 120 MATH 121	Calculus I Calculus II	(5) (5)
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1 General Chemistry 2	(5) (5)
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology General Botany	(5) (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 101	Principles of Microeconomics	(3)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE		
j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125 OR PHIL 126	Introduction to Ethics Contemporary American Ethics	(3) (3)
	OR		OR		
PHILOS 15	Intro to Bioethics	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR		OR		
PHILOS 24	Intro to Ethics	(4)	PHIL 125 OR PHIL 128	Introduction to Ethics Social and Political Philosophy	(3) (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
	OR		OR		
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125	Introduction to Modern Political Ideology	(3)
	OR		OR		
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology	(3)
	OR		OR		
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems	(3)
TRACK II: FOOD AND SOCIETY					
PHILOS 5	Critical Reasoning	(4)	PHIL 131	Introduction to Logic and Critical Thinking	(3)
	OR		OR		
PHILOS 31	Scientific Reason	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125 OR PHIL 126	Introduction to Ethics Contemporary American Ethics	(3) (3)
	OR		OR		

PHILOS 15	Intro to Bioethics	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR		OR	
PHILOS 24	Intro to Ethics	(4)	PHIL 125 Introduction to Ethics (3)	
			OR	
			PHIL 128 Social and Political Philosophy (3)	

SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
	OR		OR	
STATIST 13	Elementary Statistics	(4)	MATH 232 Statistics (4)	
	Same as: STATIST 13Y			

CHEM 2A	Genl Chemistry	(5)	CHEM 120 General Chemistry 1 (5)	

BIOLSCI 10	Everyday Biology	(4)	BIOL 110 Survey of Biology (4)	

PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	

BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & General Zoology (5)	
	OR		OR	
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR		OR	
ENV S&P 30	Global Ecosystem	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	Same as: ENV SC&M 30			
	OR		OR	
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR		OR	
W&F BIO 51	Intro to Conservation Biology	(3)	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)	NO COMPARABLE COURSE	

ECON 1A	Princ of Microecon	(4)	ECON 101 Principles of Microeconomics (3)	

f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125 Introduction to Modern Political Ideology (3)	

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121 Introduction to Cultural Anthropology (3)	
	OR		OR	
SOCIOL 1	Intro Sociology	(5)	SOCI 120 Introduction to Sociology (3)	
	OR		OR	
SOCIOL 3	Social Problems	(4)	SOCI 122 Introduction to Social Problems (3)	

CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE	
CM&RGDE 2	Ethnicity Amer Comm	(4)	NO COMPARABLE COURSE	

TRACK III: ECONOMICS AND POLICY

MATH 16A	Short Calculus	(3)	MATH 115 Applied Calculus (5)	
			OR	
			MATH 120 Calculus I (5)	
MATH 16B	Short Calculus	(3)	MATH 121 Calculus II (5)	

SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE	
	OR			OR
STATIST 13	Elementary Statistics	(4)	MATH 232	Statistics (4)
	Same as: STATIST 13Y			
CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1 (5)
BIOLSCI 10	Everyday Biology	(4)	BIOL 110	Survey of Biology (4)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE	
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology (5) General Botany (5)
	OR			OR
ENV S&P 1	Env Analysis	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
	OR			OR
ENV S&P 30	Global Ecosystem	(3)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
	Same as: ENV SC&M 30			
	OR			OR
W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
	OR			OR
W&F BIO 51	Intro to Conservation Biology	(3)	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)	NO COMPARABLE COURSE	
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ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics (3)
f) POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLI 125	Introduction to Modern Political Ideology (3)
ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology (3)
	OR			OR
SOCIOL 1	Intro Sociology	(5)	SOCI 120	Introduction to Sociology (3)
	OR			OR
SOCIOL 3	Social Problems	(4)	SOCI 122	Introduction to Social Problems (3)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE	
j) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 125	Introduction to Ethics (3)
			OR	
			PHIL 126	Contemporary American Ethics (3)
	OR			OR
PHILOS 15	Intro to Bioethics	(4)	NO COURSE ARTICULATED:	College has not submitted course(s) for articulation
	OR			OR
PHILOS 24	Intro to Ethics	(4)	PHIL 125	Introduction to Ethics (3)
			OR	
			PHIL 128	Social and Political Philosophy (3)

END OF MAJOR

- j) Students who complete PHIL 125 at Napa Valley College will receive credit at UC Davis for either PHILOS 14 or 24, not both, through academic year 2016-17. As of fall 2017, students will receive credit for PHILOS 24.
- f) **Students who complete POLI 125 at Napa Valley College will receive credit at UC Davis for POLSCI 2 or POLSCI 4, not both**

====Sustainable Environmental Design B.S.====

Special Advising Note:

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ENGLISH 3	Intro to Lit	(4)	ENGL 121	Reading and Composition 2	(3)
	OR			OR	
UWRITING 1	Expository Writing	(4)	ENGL 120	Reading and Composition 1	(4)
	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				
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology & General Botany	(5)

ALL OF THE FOLLOWING COURSES:

LND ARC 1	Intro Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 2	Place, Culture, Community	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 3	Sustainable Development	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 21	Landscape Rep I	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	Formerly Design Visualization				
LND ARC 30	History Environ Design	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 50	Site Ecology	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
LND ARC 70	Intro to Spacemaking	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		

AND ONE COURSE IN A PHYSICAL SCIENCE

END OF MAJOR

====Textiles and Clothing B.S. (Marketing/Economics)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

Special Advising Note:

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*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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PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	
ENG CS 36A	Programming	(4)	COMS 215	Programming Concepts	(3)
Formerly ENG CS 30				and Methodology I	

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 101	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 100	Principles of Macroeconomics	(3)

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)	ANTH 121	Introduction to Cultural Anthropology	(3)
	OR			OR	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO COMPARABLE COURSE		
	OR			OR	
ARTHI 1A	Ancient Mediterranean Art	(4)	ARTH 105	History of Western Art: Prehistoric to Medieval	(3)
	OR			OR	
ARTHI 1B	Mediev&Renaiss Art	(4)	ARTH 106	Art History: Renaissance to Contemporary Art	(3)
	OR			OR	
ARTHI 1C	Baroque to Modern Art	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
	OR			OR	

ARTHI 1D Arts of Asia (4) | ARTH 130 History of Asian Art (3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A Principles Physics (3) | NO COMPARABLE COURSE
OR

PHYSICS 10 Topics, Nonscientists (4) | PHYS 110 Descriptive Physics (3)

PSYCH 1 General Psychology (4) | PSYC 120 General Psychology (3)

SOCIOL 2 Self and Society (4) | SOCI 123 Social Psychology (3)
Same as: PSYC 123

STATIST 13 Elementary Statistics (4) | MATH 232 Statistics (4)
Same as: STATIST 13Y

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 125 Financial Accounting (5)

MGMT 11B Elem Accounting (4) | ACCT 126 Managerial Accounting (5)

CHEM 10 Concept of Chem (4) | NO COMPARABLE COURSE
OR

CHEM 2A Genl Chemistry (5) | CHEM 120 General Chemistry 1 (5)

MATH 16A Short Calculus (3) | MATH 115 Applied Calculus (5)

OR
MATH 16B Short Calculus (3) | MATH 120 Calculus I (5)

MATH 16B Short Calculus (3) | MATH 121 Calculus II (5)

RESTRICTED ELECTIVES (12 QUARTER UNITS):

AGRESEC 18 Business Law (4) | NO COURSE ARTICULATED: College has not
submitted course(s) for articulation

DESIGN 77 Intro to Fashion Design (4) | NO COMPARABLE COURSE

MATH 16C Short Calculus (3) | NO COMPARABLE COURSE

Foreign language units may be used to satisfy any or all of the required 12 units.

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

====Textiles and Clothing B.S. (Textile Science)====

IMPORTANT ADVISORY FOR FALL 2019 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2019-20, and fall 2019 TAGs will not be available.

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer students must also meet UC transfer admission requirements. See the

[UC Transfer Admission website](#) for details. UC Davis requires that students complete the minimum transfer admission requirement by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1

as part of their English Composition requirement.

Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

PL SCI 21	Computers in Technology	(3)		NO COMPARABLE COURSE	
	OR			OR	
B) ENG CS 15	Intro to Computers	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
ENG CS 36A	Programming	(4)		COMS 215 Programming Concepts and Methodology I	(3)
	Formerly ENG CS 30				

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 101 Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)		ECON 100 Principles of Macroeconomics	(3)

4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(5)		ANTH 121 Introduction to Cultural Anthropology	(3)
	OR			OR	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)		NO COMPARABLE COURSE	
	OR			OR	
ARTHI 1A	Ancient Mediterranean Art	(4)		ARTH 105 History of Western Art: Prehistoric to Medieval	(3)
	OR			OR	
ARTHI 1B	Mediev&Renaiss Art	(4)		ARTH 106 Art History: Renaissance to Contemporary Art	(3)
	OR			OR	
ARTHI 1C	Baroque to Modern Art	(4)		NO COURSE ARTICULATED: College has not submitted course(s) for articulation	
	OR			OR	
ARTHI 1D	Arts of Asia	(4)		ARTH 130 History of Asian Art	(3)

ALL OF THE FOLLOWING COURSES:

PHYSICS 1A	Principles Physics	(3)		NO COMPARABLE COURSE	
	OR			OR	
PHYSICS 10	Topics, Nonscientists	(4)		PHYS 110 Descriptive Physics	(3)
PSYCH 1	General Psychology	(4)		PSYC 120 General Psychology	(3)
SOCIOL 2	Self and Society	(4)		SOCI 123 Social Psychology	(3)
				Same as: PSYC 123	
STATIST 13	Elementary Statistics	(4)		MATH 232 Statistics	(4)
	Same as: STATIST 13Y				
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 120 General Chemistry 1 (5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & General Chemistry 1 (5)
			CHEM 121 General Chemistry 2 (5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111 Introduction to Organic and Biological Chemistry (4)
			<u>OR</u>
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 Organic Chemistry 2 (4)
			CHEM 111 Introduction to Organic and Biological Chemistry (4)
			<u>OR</u>
			CHEM 241 Organic Chemistry 2 (4)

MATH 16A	Short Calculus	(3)	MATH 115 Applied Calculus (5)
			<u>OR</u>
			MATH 120 Calculus I (5)

RESTRICTED ELECTIVES (16 QUARTER UNITS):

AGRESEC 18	Business Law	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHEM 2C	Genl Chemistry	(5)	CHEM 121 General Chemistry 2 (5)
CHEM 128A	Organic Chemistry	(3)	CHEM 240 Organic Chemistry 1 (4)
CHEM 128B	Organic Chemistry	(3)	CHEM 240 & Organic Chemistry 1 (4)
			CHEM 241 Organic Chemistry 2 (4)
CHEM 128C	Organic Chemistry	(3)	CHEM 241 Organic Chemistry 2 (4)
DESIGN 77	Intro to Fashion Design	(4)	NO COMPARABLE COURSE
MGMT 11A	Elem Accounting	(4)	ACCT 125 Financial Accounting (5)
MGMT 11B	Elem Accounting	(4)	ACCT 126 Managerial Accounting (5)
MATH 16B	Short Calculus	(3)	MATH 121 Calculus II (5)
MATH 16C	Short Calculus	(3)	NO COMPARABLE COURSE
SOCIOL 25	Popular Culture	(4)	NO COMPARABLE COURSE

Foreign language units may be used to satisfy any or all of the required 16 units.

END OF MAJOR

B) UCD ENG CS 15 not intended for Computer Science or Computer Science Engineering majors. Only two units of credit allowed to students who have completed PLT SCI 21.

====Theatre and Dance A.B.====

Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation.

Transfer students must also meet UC transfer admission requirements. For details, see the UC Davis [transfer admission webpage](#). UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration, it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

All students completing a major in theatre and dance must participate in dramatic productions, including work in at least two of the following three

areas: acting/dance; design (scenic, costume, lighting, painting, props, sound); directing/playwriting/stage management and crew assignments. Transfer students should see the major advisor at UC Davis for an evaluation of their previous experience.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <http://llc.ucdavis.edu/foreign-language-placement-exams> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

NOTE: Lower-division preparation for the Honors A.B. major in Theatre and Dance is the same as that below.

ONE COURSE FROM THE FOLLOWING:

DRAMART 21A	Fundamentals of Act	(4)	THEA 110	Technique of Acting	(3)
DRAMART 40A	Beg Modern Dance	(2)	DANS 138	Modern Dance Level (1-1.5)	
				I	
h) DRAMART 40B	Int Modern Dance	(2)	DANS 138	Modern Dance Level (1-1.5)	
				I	
DRAMART 42A	Beg Ballet	(2)	DANS 134	Ballet Level I	(1-1.5)
g) DRAMART 42B	Inter Ballet	(2)	DANS 134	Ballet Level I	(1-1.5)

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

- h) **DANS 138 at Napa Valley College is a repeatable course that must be taken twice to receive credit for UC Davis's DRAMART 40B**
- g) **DANS 134 at Napa Valley College is a repeatable course that must be taken twice to receive credit for UC Davis's DRAMART 42B.**

====Viticulture and Enology B.S.====

Special Advising Note:

REQUIREMENTS FOR ADMISSION:
(for 2019-20)

This major is selective and requires preparatory coursework for admission. Any required courses that are offered at your current campus must be completed by the close of spring term prior to fall enrollment at UC Davis. If required courses are not offered at your college, you must complete them after enrolling at UC Davis.

Transfer students must earn an overall transfer GPA of 2.80 or higher to be competitive candidates for admission to this major. Candidates must complete courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the group. It is required that candidates have a cumulative GPA of at least 3.00 for courses in the group below that have been completed by the time of application and maintain the GPA through the transfer academic update filing period. Courses must be taken for a letter grade, with no grade less than C. Advanced Placement (AP) or International Baccalaureate (IB) Higher Level examinations may satisfy UC Davis course equivalents:

- General Chemistry 2A/B/C
- Organic Chemistry 8A
- Mathematics 16A
- Physics 1A/B or 7A
- Biological Sciences 2A

It is strongly recommended that students complete courses comparable to the following UC Davis courses; if taken, the student must have a GPA of at least 3.00 for the entire group of courses listed above and below. Courses must be taken for a letter grade, with no grade less than C:

- Organic Chemistry 8B
- Mathematics 16B
- Plant Sciences 2

Transfer students must also meet UC transfer admission requirements. UC Davis requires that students complete the minimum transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <http://tag.ucdavis.edu> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides whether you have satisfied the GE requirement. See a UC Davis academic advisor to understand how to complete all of the GE components.

College of Agricultural and Environmental Sciences (A&ES) General Education (GE) English Composition Requirement for the Bachelor's Degree:

The College of A&ES English Composition requirement for the Bachelor's degree is an element of the UC Davis General Education (GE) pattern. This GE requirement may be satisfied by completing either two courses emphasizing written expression OR one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis lower-division courses are among those that have been approved to satisfy this requirement: English 3, University Writing Program 1, 18, 19 (emphasis in writing skills); Communication 1*, Comparative Literature 1, 2, 3, 4, or Native American Studies 5 (emphasis in either writing or speaking skills). The English Composition requirement may also be met by achieving a score of 4 or 5 on the Advanced Placement (AP) English examination PLUS completing any previously listed course, EXCEPT English 3 or University Writing Program 1. See the current articulation for appropriate courses available at your California Community College (CCC).

CCC transfer students who have successfully completed the IGETC lower-division coursework are exempt from all GE requirements that may be met with lower-division courses. Go to the For General Education/Breadth section of ASSIST for more information about UC Davis GE.

You should also be aware, however, that the University requires two courses in English composition to be completed with C grades or higher for transfer admission. See the [UC Transfer Admission website](#). The courses used for the A&ES English Composition Requirement and those chosen for admission may be the same if chosen carefully. Some majors may also require additional English courses beyond the GE/College English composition requirement. Please contact your CCC counselor or the UC Davis College of A&ES if you have any questions.

*Students majoring in Sustainable Agriculture and Food Systems who plan to fulfill the UC Davis pattern of General Education must complete Communication 1 as part of their English Composition requirement.

Advanced Placement (AP)and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2018-19 [General Catalog](#) . Quick reference charts for [AP](#) and [IB](#) are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
	OR			OR	
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE		

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 &	General Chemistry 1	(5)
			CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 121	General Chemistry 2	(5)

CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			OR		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241	Organic Chemistry 2	(4)
			CHEM 111	Introduction to Organic and Biological Chemistry	(4)
			OR		
			CHEM 241	Organic Chemistry 2	(4)

PL SCI 21	Computers in Technology	(3)	NO COMPARABLE COURSE		

OR EQUIVALENT AND advisor APPROVAL

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
			MATH 120	Calculus I	(5)
MATH 16B	Short Calculus	(3)	MATH 121	Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
	AND			AND	
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		
	OR			OR	
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)
			PHYS 121	General Physics 2	(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)	VWT 130	Genl Viticulture	(3)
VIT-ENO 3	Intro Winemaking	(3)	VWT 136	Wines of the World	(3)

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.

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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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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 120	Reading and Composition 1	(4)
	AND			AND	
COMUNCN 1	Intro Public Spkg	(4)	SPCOM 122	Public Speaking	(3)
	OR			OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	SPCOM 120	Interpersonal Communication	(3)
	OR			OR	
DRAMART 10	Intro To Acting	(4)	THEA 110	Technique of Acting	(3)

Note: Completing UWP 1 and Communication 1 will simultaneously satisfy the College requirements.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIOL 120	General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIOL 240 & BIOL 241	General Zoology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIOL 240 & BIOL 241	General Botany	(5)

CHEM 2A	Genl Chemistry	(5)	CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 120 & CHEM 121	General Chemistry 1	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 111	General Chemistry 2	(5)
				Introduction to Organic and Biological Chemistry	(4)
			OR		
CHEM 8B	Organic Chem-Brief	(4)	CHEM 241 & CHEM 111	Organic Chemistry 2	(4)
				Introduction to Organic and Biological Chemistry	(4)
			OR		
			CHEM 241	Organic Chemistry 2	(4)

MATH 16A	Short Calculus	(3)	MATH 115	Applied Calculus	(5)
			OR		
MATH 16B	Short Calculus	(3)	MATH 120 & MATH 121	Calculus I	(5)
				Calculus II	(5)

PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE		
PHYSICS 1B	Principles Physics	(3)	NO COMPARABLE COURSE		

ONE COURSE FROM THE FOLLOWING (3-4 QUARTER UNITS):

W&F BIO 10	Wildl Ecol Conserve	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 50	Calif Wild Vertebrates	(3)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation		
W&F BIO 51	Intro to Conservation Biology	(3)	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 121	General Chemistry 2	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 240 & CHEM 241	Organic Chemistry 1	(4)
				Organic Chemistry 2	(4)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 241	Organic Chemistry 2	(4)
PHYSICS 7A	General Physics	(4)	PHYS 120 &	General Physics 1	(4)

PHYSICS 7B	General Physics	(4)		PHYS 121	General Physics 2	(4)
				PHYS 120 &	General Physics 1	(4)
				PHYS 121	General Physics 2	(4)
PHYSICS 7C	General Physics	(4)		PHYS 120 &	General Physics 1	(4)
				PHYS 121	General Physics 2	(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 120	Calculus I	(5)
MATH 21B	Calculus	(4)		MATH 121	Calculus II	(5)
MATH 21C	Calculus	(4)		MATH 221	Multivariable Calculus	(5)
MATH 21D	Vector Analysis	(4)		MATH 221	Multivariable Calculus	(5)
MATH 22A	Linear Algebra	(3)		MATH 220	Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)		MATH 222	Differential Equations	(3)
CHEM 2A	Genl Chemistry	(5)		CHEM 120	General Chemistry 1	(5)
CHEM 2B	Genl Chemistry	(5)		CHEM 120 &	General Chemistry 1	(5)
				CHEM 121	General Chemistry 2	(5)
CHEM 2C	Genl Chemistry	(5)		CHEM 121	General Chemistry 2	(5)
CHEM 8A	Organic Chem-Brief	(2)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)
CHEM 8B	Organic Chem-Brief	(4)		CHEM 111	Introduction to Organic and Biological Chemistry	(4)
				<u>OR</u>		
				CHEM 241	Organic Chemistry 2	(4)
CHEM 118A	Org Chem, Hlth & Sci	(4)		CHEM 240	Organic Chemistry 1	(4)
CHEM 118B	Org Chem, Hlth & Sci	(4)		CHEM 240 &	Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)
CHEM 128A	Organic Chemistry	(3)		CHEM 240	Organic Chemistry 1	(4)
CHEM 128B	Organic Chemistry	(3)		CHEM 240 &	Organic Chemistry 1	(4)
				CHEM 241	Organic Chemistry 2	(4)

CHEM 129A	Organic Chem Lab	(2)	CHEM 240	Organic Chemistry 1	(4)
d) PHYSICS 9A	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9B	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9C	Classical Physics	(5)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
d) PHYSICS 9D	Modern Physics	(4)	PHYS 140 &	Physics for Scientists and Engineers 1	(4)
			PHYS 240 &	Physics for Scientists & Engineers 2	(4)
			PHYS 241	Physics for Scientists & Engineers 3	(4)
BIMEDEN 20	Fundamentals of Bioengineering	(4)	NO COMPARABLE COURSE		
ENGIN 4	Graphics in Design	(3)	ENGI 122	Engineering Graphics and Design	(4)
ENGIN 6	Engr Prob Solving	(4)	NO COMPARABLE COURSE		
ENGIN 17	Circuits I	(4)	ENGI 242	Circuits I	(4)
ENGIN 35	Statics	(4)	ENGI 241	Engineering Mechanics: Statics	(3)
ENGIN 45	Prop of Mats	(4)	ENGI 240	Properties of Materials	(4)
ENG CS 20	C Sci/Discrete Math	(4)	NO COMPARABLE COURSE		
ENG CS 36A	Programming Formerly ENG CS 30	(4)	COMS 215	Programming Concepts and Methodology I	(3)
ENG CS 36B	Object-Oriented Program Formerly ENG CS 40	(4)	COMS 216	Programming Concepts and Methodology II	(3)
ENG CS 50	Machine Dependent Prog	(4)	NO COMPARABLE COURSE		
ENG CS 36C	Data Structures Formerly ENG CS 60	(4)	NO COMPARABLE COURSE		
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 120 Reading and Composition 1	(4)
ENGLISH 3	Intro to Lit	(4)		ENGL 121 Reading and Composition 2	(3)
COMUNCN 1	Intro Public Spkg	(4)		SPCOM 122 Public Speaking	(3)
COMUNCN 3	Intprsnl Com Cmpetnce	(4)		SPCOM 120 Interpersonal Communication	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)		BIOL 120 General Biology	(4)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)		BIOL 240 & BIOL 241 General Zoology General Botany	(5) (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)		BIOL 240 & BIOL 241 General Zoology General Botany	(5) (5)
c) GEOLOGY 50 e)	Physical Geology	(3)		GEOL 110 Physical Geology	(3)
ATM SCI 60	Intro to Atmospheric Science	(4)		NO COMPARABLE COURSE	

END OF MAJOR

- d) This articulation is "series for series" only.
- c) This course is not strictly comparable with UC Davis courses but will fulfill the introductory physical geology requirement for the geology major at UC Davis.
- e) If a student takes GEOL 110 at Napa Valley College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.