16-18 General Catalog Quarter 17-18 General Catalog Semester

Articulation Guide by Major Effective during the 17-18 Academic Year

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

#### 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.

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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 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 2016-18 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 2016-2018 <u>General Catalog</u>. Quick reference charts for  $\underline{AP}$  and  $\underline{IB}$  are also available from our TAG website.

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#### REQUIRED FOR ADMISSION:

a) MATH 21A	Calculus	(4)	MATH	1A	Calculus, First Course	(5)
a) MATH 21B	Calculus	(4)	HTAM	1B	Calculus, Second Course	(5)
a) MATH 21C	Calculus	(4)	MATH	1C	Calculus, Third Course	(4)
a) MATH 21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
a) MATH 22A	Linear Algebra	(3)	MATH 	5	Introduction to Linear Algebra	(3)
a) MATH 22B	Differntl Equations	(3)	MATH   	2	Calculus, Fourth Course - Differential Equations	(3)
a) PHYSICS 9A	Classical Physics	(5)	PHYS   	40	Classical Mechanics for Scientists and Engineers	(5)
a) PHYSICS 9B	Classical Physics	(5)	PHYS   	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a) PHYSICS 9C	Classical Physics	(5)	PHYS   	42	Electricity and Magnetism for Scientists and Engineers	(4)
a) CHEM 2A	Genl Chemistry	(5)	CHEM OF		General Chemistry	(5)
			<u>  <u>01</u>   CHEM  </u>	-	General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM CHEM OF	1B		(5) (5)
			CHEM	_	General Chemistry with Quantitative Analysis	(5)
			CHEM	4B		(5)
a) ENGIN 4	Graphics in Design	(3)	ENGR	25	Engineering Graphics and Design	(3)
a) ENGIN 17	Circuits I	(4)	   ENGR 	16		(4)
a) ENGIN 35	Statics	(4)	   ENGR 	34		(3)
	Prop of Mats				Properties of Materials	(4)
	Engr Prob Solving OR					(3)
a) ENG CS 30		(4)	CS 10	)	Introduction to Computer Programming	(4)
	~~1,1113		OI	<u> </u>	compacer rrogramming	

Required for admission. Students must complete <u>one</u> programming course in a higher level language intended for students majoring in engineering, physical sciences, or mathematics.

a)	UWRITING 1	Expository Writing	(4) ENGL 1A	College Composition	(4)
		OR		OR	
a)	ENGLISH 3	Intro to Lit	(4) ENGL 1B	Literature and	(3)
				Composition	

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English <u>composition</u> for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) COMUNCN 1	Intro Public Spkg	(4)	   SPCH 	1A	Introduction to Public Speaking	(3)
	OR		ĺ		OR	
a) COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMM 	6	Interpersonal Communication	(3)

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.

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#### END OF MAJOR

a) This articulation is approved for engineering majors.

# ====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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

#### Education(GE) Note:

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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#### ONE COURSE FROM THE FOLLOWING:

AF-AMST 10	Af-Am Culture & Soc	(4) HIST 30 African-American	(3)
		History	
AF-AMST 12	Intro Afro Studies	(4) NO COMPARABLE COURSE	

#### ONE COURSE FROM THE FOLLOWING:

AF-AMST 1	5 Int	ro Afro Amer	Hum	(4)	ENG	GL 31	Africa and Li		rican Ar ure	ts (3)
AF-AMST 1		nen in Africa					ABLE COU			
AF-AMST 1	8 Int	ro Caribbean	Studies	(4)						
					suk	omitted	course(	s)for	articul	ation
AF-AMST 5	0 Bl	Images Pop	Cult	(4)	NO	COMPARA	ABLE COU	RSE		
AF-AMST 5	1 His	story Af-Amr	Dance	(4)	NO	COMPARA	ABLE COU	RSE		
AF-AMST 5	2 Afi	Tradit Reli	g	(4)	NO	COMPARA	ABLE COU	RSE		
AF-AMST 8	0 Bla	ck Politics		(4)	NO	COMPARA	ABLE COU	RSE		

#### ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(4)	ANTHRO 2	Cultural Anthropology	(3)
As of W17,	units=5				
ECON 1A	Princ of Microecon	(4)	ECON 2	Principles of	(3)
				Microeconomics	
ECON 1B	Princ of Macroecon	(4)	ECON 1	Principles of	(3)
				Macroeconomics	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology	(3)
POL SCI 1	Amer Natl Govt	(4)	POLS 1	Introduction to United	(3)
				States Government	
POL SCI 2	Intro Comp Politics	(4)	POLS 2	Introduction to	(3)
				Comparative Government	
PSYCH 1	General Psychology	(4)	PSYCH 1A	General Psychology	(3)

ONE COURSE FROM THE FOLLOWING:

CHICANO 10	Intro to Chic Std	(4)   HIST 26 History of Chicanos and (3)
		Latinos from 1848 to
		Present
N A STD 1	Intro NA Studies	(4) ANTHRO 32 Native Cultures of (3)
		North America
N A STD 10	NA Experience	(4) NO COMPARABLE COURSE
		s (4) NO COMPARABLE COURSE
A A STD 1	Hist Exp Asian Am	(4) NO COMPARABLE COURSE
A A STD 2	Contemp Issues of Asian	n (4) NO COMPARABLE COURSE
	Americans	
WOM STD 50	Intro Gender Studies	(4) NO COURSE ARTICULATED: College has not
		submitted course(s) for articulation
	TWO COURSES	FROM THE FOLLOWING:
		(4) NO COMPARABLE COURSE
	ontinued as of S18	
i) HISTORY I	17A U.S. History	(4) HIST 17.1 History of the United (3)
		States to 1877
1) HISTORY I	17B U.S. History	States to 1877 (4) HIST 17.2 U.S. History from (3)
		1877
	A OHAPTED HATT	TS PROM THE POLICHING.
	4 QUARTER UNIT	IS FROM THE FOLLOWING:
AF-AMST 16		
	African Verbal Arts	(4) NO COMPARABLE COURSE
AF-AMST 51	African Verbal Arts History Af-Amr Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE
AF-AMST 51 DRAMART 41A	African Verbal Arts History Af-Amr Dance Beg Jazz Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE (2) DANCE 13.1 Jazz Dance I (1.5)
AF-AMST 51 DRAMART 41A	African Verbal Arts History Af-Amr Dance Beg Jazz Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE
AF-AMST 51 DRAMART 41A	African Verbal Arts History Af-Amr Dance Beg Jazz Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE (2) DANCE 13.1 Jazz Dance I (1.5) (2) DANCE 13.2 Jazz Dance II (1.5) OR
AF-AMST 51 DRAMART 41A DRAMART 41B	African Verbal Arts History Af-Amr Dance Beg Jazz Dance Inter Jazz Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE (2) DANCE 13.1 Jazz Dance I (1.5) (2) DANCE 13.2 Jazz Dance II (1.5)  OR DANCE 13.3 Jazz Dance III (1.5)
AF-AMST 51 DRAMART 41A DRAMART 41B  DRAMART 44A	African Verbal Arts History Af-Amr Dance Beg Jazz Dance Inter Jazz Dance	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE (2) DANCE 13.1 Jazz Dance I (1.5) (2) DANCE 13.2 Jazz Dance II (1.5)  OR DANCE 13.3 Jazz Dance III (1.5) (2-4) DANCE 21.1 Hip Hop/Funk I (1.5)

#### END OF MAJOR

i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

# ====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 <a href="https://doi.org/10.1001/journal-no.1001

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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#### Transfer Admission Guarantee (TAG) Note:

American Music

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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### 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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

i) HISTORY 17A U.S. History (4) HIST 17.1 History of the United (3) States to 1877

POL SCI 1	OR Amer Natl Govt	(4)	!	OR Introduction to United (3) States Government
	MINIMUM OF 8 QUARTER UNITS			
	Domest Ani & People Intro Animal Sci			ABLE COURSE Introduction to Farm (3) Animal Health
			OR ANSCI 27 OR	Beef Cattle Science (3)
			ANSCI 28	Sheep Science (3)
			<u>OR</u>  ANSCI 29 	Dairy Cattle (3) Industry/Dairy Cattle Science
AN SCI 21	Livestock&Dairy Jdg		submitted	ARTICULATED: College has not course(s) for articulation
AN SCI 41	Domestic Ani Prod		•	Basic Animal Science (3)
		(2)	NO COURSE  submitted	ARTICULATED: College has not course(s) for articulation
	Fld Equip Oper Field Equip Welding		NO COURSE	ABLE COURSE  ARTICULATED: College has not course(s)for articulation
AGRESEC 15	Pop,Envr,World Agri AND	(4)	NO COMPARA	ABLE COURSE AND
ECON 1A	Princ of Microecon	(4)	ECON 2	Principles of (3) Microeconomics
ECON 1D	<b>OR</b> Princ of Macroecon	(1)	ECON 1	OR Principles of (3)
ECON 1B	Princ or Macroecon	(4)	ECON I	Principles of (3) Macroeconomics
	Intro Envhort/Urb For Intro Environ Plants		submitted HORT 8	ARTICULATED: College has not course(s) for articulation Plant Materials: (3)
			<u>OR</u>	Summer/Fall  Plant Materials: (3)
PL SCI 5 FORMERLY PL	Plants Gard, Orch & Land ANT BIO 1	(2)	  NO COMPARA	Winter/Spring ABLE COURSE
ENV S&P 10	Current Issues in Environment	(3)	İ	Basic Concepts of (3) Ecology
			<u>OR</u>  SOCS 12 	Environmental Policies (3) and Politics
ENV S&P ENV TOX 10	10 not open for credit to Intro Environ Toxicology			ave completed ENV S&P 1 ABLE COURSE
Same as:	Water, Power, Society SCI&SOC 10	(3)		ARTICULATED: College has not course(s) for articulation
PL SCI 1		(3)	NO COMPARA	ABLE COURSE
	Bot Physio Cul Plt	(4)	NO COMPARA	ABLE COURSE
PL SCI 15		(4)		ARTICULATED: College has not
PL SCI 49	Agriculture Org Crop Prod Prac	(3)	NO COURSE	course(s) for articulation ARTICULATED: College has not course(s) for articulation
VIT-ENO 2	Intro to Viticult	(2)	:	Introduction to (3) Viticulture, Winemaking,

				am 🛆		Wines of the World : VIT 1
VIT-ENO 3	Intro Winemaking	(3)	1			Introduction to Enology (4)
	ALL OF THE FO	-			SES	3 <b>:</b>
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2	2.1		Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI 2B		(5)	  BIO 2 	2.2	<u>&amp;</u>	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
			  BIO 2 	2.3		Fundamentals of Biology (5) (Botany and Ecology)
CHEM 2A	Genl Chemistry	(5)	CHEM OI			General Chemistry (5)
			CHEM	4A		General Chemistry with (5) Quantitative Analysis
CHEM 2B	Genl Chemistry	(5)	CHEM		<u>&amp;</u>	General Chemistry (5)
			CHEM OI			General Chemistry (5)
			CHEM	_	<u>&amp;</u>	
			  CHEM	ΛD		Quantitative Analysis General Chemistry with (5)
				40		Quantitative Analysis
q) GEOLOGY	1 The Earth	(4)	GEOL	1		The Earth (3)
GEOLOGY 20		(2)	GEOL	11		Geology of California (3)
SOILSCI 10	Soils in Our Environment	(3)	NO CC	ЭМРА	RAI	BLE COURSE
MATH 16A	Short Calculus	(3)	  MATH	1A		Calculus, First Course (5)
MATH 16B	Short Calculus OR					Calculus, Second Course (5) OR
MATH 17A	Calculus for BioSci	(4)				ARTICULATED: College has not
MATH 17B	Calculus for Biosci	(4)	1			course(s) for articulation ARTICULATED: College has not
		, ,				course(s) for articulation
MATH 21A	<b>OR</b> Calculus	(4)	  math	1 A		OR Calculus, First Course (5)
MATH 21B	Calculus		MATH			
PHYSICS 7A	General Physics	(4)	   PHYS 	20	<u>&amp;</u>	General Physics (3) Lecture Part I
			  PHYS 	20L	<u>&amp;</u>	General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u>	General Physics (3) Lecture Part II
			PHYS	21L		General Physics Lab (1) Part II
PHYSICS 7B	General Physics	(4)	PHYS	20	<u>&amp;</u>	General Physics (3)
			  PHYS	20L	<u>&amp;</u>	<del>-</del>
			  PHYS	21	<u>&amp;</u>	Part I General Physics (3)
			  PHYS	21L		Lecture Part II General Physics Lab (1)
T+ ia hi~h	ly recommended that students		İ			Part II

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

i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

- p) Students must take any three of ANSCI 2, ANSCI 27, ANSCI 28, ANSCI 29, to be comparable to UC Davis's AN SCI 2.
- q) If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

#### Special Advising Note:

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

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

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

### ONE COURSE FROM THE FOLLOWING:

AMR STD 1A	Science and American Culture	(4)	NO COMPARABLE COURSE
AMR STD 1B	Relig in Am Lives	(4)	
AMR STD 1C	American Lives		NO COMPARABLE COURSE
AMR STD 1E	Nat&Cult Amr		NO COMPARABLE COURSE
AMR STD 5			NO COMPARABLE COURSE
AMR STD 21			NO COURSE ARTICULATED: College has not
11111 010 21	objects a liveryday life	( - )	submitted course(s) for articulation
AMR STD 25	U.S. as Business	(4)	NO COURSE ARTICULATED: College has not
1111 515 25	Culture	( - )	submitted course(s) for articulation
AMR STD 30	Amr Images Pop Cult	(4)	NO COMPARABLE COURSE
	Food in Amer Culture		NO COURSE ARTICULATED: College has not
	FD S&T 55	( - /	submitted course(s) for articulation
AMR STD 59	Music and American	(4)	NO COURSE ARTICULATED: College has not
	Culture	, ,	submitted courses for articulation
	ONE COURSE FRO	OM T	HE FOLLOWING:
AF-AMST 10	Af-Am Culture & Soc	(4)	HIST 30 African-American (3)
		` ,	History
A A STD 1	Hist Exp Asian Am	(4)	NO COMPARABLE COURSE
	Intro to Chic Std		HIST 26 History of Chicanos and (3)
			Latinos from 1848 to
			Present
N A STD 1	Intro NA Studies	(4)	ANTHRO 32 Native Cultures of (3)
			North America
			·
	ONE COIDER ED	<b>√</b> Μ π	UE EOITOWING.

#### ONE COURSE FROM THE FOLLOWING:

ANTHRO 2	Cultural Anthropology	(4)   ANTHRO 2	Cultural Anthropology	(3)
As of W17,	units=5			
SOCIOL 2	Self and Society		Self and Society	
WOM STD 50	Intro Gender Studies	(4) NO COURSE	ARTICULATED: College has	not
		submitted	course(s) for articulati	on

#### ONE COURSE FROM THE FOLLOWING:

i) HISTORY 17A	U.S. History	(4) HIST 17.1	History of the United (3) States to 1877
i) HISTORY 17B	U.S. History	(4) HIST 17.2	U.S. History from (3) 1877
i) HISTORY 72A	Am Women & Gender	(4) HIST 18.1 	History of Women in (3) the United States to 1877
i) HISTORY 72B	Am Women & Gender	(4) HIST 18.2	History of Women in (3) the United States Since 1877

#### ONE COURSE FROM THE FOLLOWING:

FILM ST 1 Intro to Film Studies (4)  $\mid$  MEDIA 10 Film Appreciation (4) Formerly Humanities 10

END OF MAJOR

i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

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

#### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is  $\frac{\text{highly recommended}}{\text{Preparing well for}}$  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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#### Transfer Admission Guarantee (TAG) Note:

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

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# College 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.

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

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BIOLS	SCI 27	7	Int: Ear		ology:	Life on	(5)	  BIO 	2.1			als of Biology Molecular)	(5)
BIOLS	SCI 2E	3	Int			Ecology	(5)	BIO	2.2	<u>&amp;</u>	Fundamenta	als of Biology n, Genetics,	(5)
								BIO	2.3		Fundamenta	als of Biology nd Ecology)	(5)
BIOLS	SCI 20		Bio		ology: sity &	the Tree		BIO	2.2	<u>&amp;</u>	Fundamenta	als of Biology n, Genetics,	(5)
			OI .	птте				  BIO 	2.3		Fundament	als of Biology nd Ecology)	(5)
CHEM	2A	Ger	nl C	hemis	try		(5)	CHEM	1A <b>R</b>		General Cl	hemistry	(5)
								CHEM	4A			hemistry with ive Analysis	(5)
CHEM	2B	Ger	nl C	hemis	try		(5)	CHEM	1A	. &	General Cl	hemistry	(5)
								CHEM		_	General Cl	hemistry	(5)
								CHEM	4A	<u>&amp;</u>		hemistry with ive Analysis	(5)
								CHEM	4B		General Cl	hemistry with ive Analysis	(5)
CHEM	2C	Ger	nl C	hemis	try		(5)	CHEM	1B <b>R</b>	1	General Cl		(5)
								CHEM	   4B			hemistry with ive Analysis	(5)
CHEM	8A	Org	gani	c Che	m-Brie	f	(2)	   СНЕМ 	8		Introducto: Chemistry	ry Organic	(5)
CHEM	8B	Org	gani		m-Brie	f	(4)	CHEM	8		Introducto: Chemistry		(5)
				OR							OR		
CHEM					Hlth			CHEM				Chemistry	(5)
CHEM	118B	(	Org	$\mathtt{Chem}$ ,	Hlth	& Sci	(4)	CHEM	12	A 8	🛕 Organic (	Chemistry	(5)
								CHEM	12	В 	Organic (	Chemistry	(5)
MATH	16A	Sł	hort	Calc	ulus		(3)	MATH	1A		Calculus,	First Course	(5)
MATH	16B	Sł	hort	Calc	ulus			МАТН				Second Course	(5)
MATH	16C	Sł	hort	Calc OR	ulus			  MATH 				Second Course	
MATH	17A	Ca	alcu	lus f	or Bio	Sci	(4)					D: College has for articulatio	

MATH 17B	Calculus for Biosci	(4)			ARTICULATED: College has not course(s) for articulation
MATH 17C	Calculus for BioSci OR	(4)	NO CO	OURSE	ARTICULATED: College has not course(s) for articulation  OR
MATH 21A MATH 21B MATH 21C	Calculus Calculus	(4)	MATH	1B	Calculus, First Course (5) Calculus, Second Course (5) Calculus, Third Course (4)
PHYSICS 7A	General Physics	(4)	   PHYS 	20	& General Physics (3) Lecture Part I
			PHYS	20L	<u>&amp;</u> General Physics Lab (1) Part I
			PHYS	21	<pre>General Physics (3) Lecture Part II</pre>
			PHYS	21L	General Physics Lab (1) Part II
PHYSICS 7B	General Physics	(4)	PHYS	20	<pre>General Physics (3) Lecture Part I</pre>
			PHYS	20L	General Physics Lab (1) Part I
			PHYS	21	<pre>General Physics (3) Lecture Part II</pre>
			PHYS	21L	General Physics Lab (1) Part II
PHYSICS 7C	General Physics	(4)	PHYS	20	<pre>General Physics (3) Lecture Part I</pre>
			PHYS	20L	<u>&amp;</u> General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			PHYS	21L	General Physics Lab (1) Part II
			' _		

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 Same as: STATIST 13Y	(4)   MATH 15 Elementary Statistics (4)
AN BIOL 50A Animal Biol Lab AN BIOL 50B Animal Biology AN BIOL 50C Animal Biology	(2) NO COMPARABLE COURSE (3) NO COMPARABLE COURSE (3) NO COMPARABLE COURSE

#### 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 <a href="https://doi.org/10.1001/journal-no.1001

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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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.

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avarrance	TIOM OUT THE WEDDICE.					
AN SCI 1 p) AN SCI	Domest Ani & People 2 Intro Animal Sci		NO COM		BLE COURSE Introduction to Farm	(3)
			   <u>OR</u>  ANSCI	27	Animal Health  Beef Cattle Science	(3)
			OR ANSCI OR	28	Sheep Science	(3)
			ANSCI	29	Dairy Cattle Industry/Dairy Cattle Science	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.	1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B		(5)	BIO 2.	2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.	3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 2.	2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
	02 222		BIO 2.	3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	   CHEM 1.   <b>OR</b>	A	General Chemistry	(5)
			CHEM 4.	A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1.	<b>3</b> A	General Chemistry	(5)
	Geni Gremiber	(3)	CHEM 1:	_	General Chemistry	(5)
			CHEM 4.	A <u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
			CHEM 4	В	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	   CHEM 8 		Introductory Organic Chemistry	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8	-	Introductory Organic Chemistry	(5)
PL SCI 21	Computers in Technology	(3)	  AGBUS 	2	Agricultural Computer Applications	
B) ENG CS	OR 15 Intro to Computers	(4)	CS 5	Cor	<b>OR</b> mputer Literacy	(3)
ECON 1A		(4)	  ECON 2 		Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1	I	Principles of Macroeconomics	(3)

MGMT 11A MGMT 11B	Elem Accounting Elem Accounting	(4)	BAD 1 BAD 2	Financial Accounting (4) Managerial Accounting (4)						
MATH 16A	Short Calculus			Calculus, First Course (5)						
MATH 16B				Calculus, Second Course (5)						
MATH 16C		(3)	MATH 1B	Calculus, Second Course (5)						
MATH 17A	OR Calculus for BioSci	(1)	  MO COUDER	OR ARTICULATED: College has not						
MAIN I/A	Calculus for Bloser	(4)		course(s) for articulation						
MATH 17B	Calculus for Biosci	(4)		ARTICULATED: College has not						
				course(s) for articulation						
MATH 17C	Calculus for BioSci	(4)	Į.	ARTICULATED: College has not						
	-		submitted	course(s) for articulation						
	OR	(4)		OR						
MATH 21A				Calculus, First Course (5)						
MATH 21B		( <del>4</del> )	MAIH IB	Calculus, Second Course (5)						
MATH 21C		( <del>4</del> )	MAIH IC 	Calculus, Third Course (4)						
AREAS OF SPECIALIZATION:										
	AQUATIC AI	NIMAL	S SPECIALIZ	ZATION						
AN SCI 18	Intro Aquaculture	(4)	NO COMPARA	ABLE COURSE						
	COMPANION ANIMALS SPECIALIZATION									
AN SCI 42	Intro Comp Ani Bio	(4)	NO COMPARA	ABLE COURSE						
	DAIRY SPI	ECIAL	IZATION							
AN SCI 41	Domestic Ani Prod	(2)	ANSCI 20	Basic Animal Science (3)						
				ARTICULATED: College has not						
				course(s)for articulation						
	EQUINE SI	PECIA	LIZATION							
AN SCI 15	Intro Horse Husb	(3)	EQSCI 25	Equine Science (3)						
		aped:	 IALIZATION							
	LIVESTOCK	SPEC.	IALIZATION							
AN SCI 41	Domestic Ani Prod	(2)	ANSCI 20	Basic Animal Science (3)						
				ARTICULATED: College has not						
			submitted	course(s)for articulation						
			 ALIZATION							
	POULIRI	SPECIA	ALIZATION							
AV SCI 11	Intro Poultry Sci	(3)	NO COMPARA	ABLE COURSE						
	RESTRICTED ELEC	CTIVE	S (12 QUAR	rer units):						
AGRESEC 18	Business Law	(4)	BAD 18	The Legal Environment of (3) Business						
			•							

# p) Students must take any three of ANSCI 2, ANSCI 27, ANSCI 28, ANSCI 29, to be comparable to UC Davis's AN SCI 2.

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.====

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AN SCI 1	Domest Ani & People	(4)	NO COMPAI	 RABLE COURSE	
p) AN SCI 2	2 Intro Animal Sci		ANSCI 2	Introduction to Farm Animal Health	(3)
			<u>OR</u>		
			ANSCI 27	Beef Cattle Science	(3)
			ANSCI 28	Sheep Science	(3)
			ANSCI 29	Dairy Cattle Industry/Dairy Cattle Science	(3)
AN SCI 41			ANSCI 20		(3)
AN SCI 41L	Domest An Prod Lab	(2)		<pre>E ARTICULATED: College has d course(s)for articulation</pre>	
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>8</u> 		(5)
			BIO 2.3	31 /	(5)
BIOLSCI 2C	Biodiversity & the Tree		BIO 2.2 <u>8</u>	Fundamentals of Biology (Evolution, Genetics,	(5)
	of Life		  BIO 2.3 	and Zoology) Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A	& General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
			CHEM 4B	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	  CHEM 8 	Introductory Organic Chemistry	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8	Introductory Organic	(5)

					Chemistry					
		OR					0	R		
CHEM 1	118A	Org Chem,	Hlth & Sci	(4)	CHEM	12A	Organic	Chemistry	(5)	
CHEM 1	118B	Org Chem,	Hlth & Sci	(4)				Chemistry		
					CHEM	12B	Organic	Chemistry	(5)	
	16A			(3)	MATH	1A	Calculus	, First Course	(5)	
MATH 1	16B	Short Calcu	ılus	(3)	MATH	1B	Calculus	, Second Course	(5)	
		OR			ĺ		0	= =		
MATH 1	17A	Calculus fo	or BioSci	(4)				ED: College has		
							,	for articulati	-	
MATH 1	17B	Calculus fo	or Biosci	(4)	•			ED: College has		
		25			submi	Ltted		for articulati	on	
N/2 (7)	212	OR Calculus		(4)		1 7	0		<i>(</i> <b>-</b> <i>)</i>	
		Calculus						, First Course , Second Course		
MAID 2	 	carcurus					Calculus	, secona course	(5)	
			AREAS OF	SPECI	ALIZAI	: NOI				
			AQUA.	ric an	IMALS					
AN SCI	I 18	Intro Aqua	culture	(4)	NO CO	MPARA	ABLE COURS	E		
			7177 7 N	SCIEN	arc.					
			AVIAN	BCIEN	CES					
AV SCI	I 13	Birds,Huma	ns & Env	(3)	NO CC	OMPARA	ABLE COURS	E		
COMPANION AND CAPTIVE ANIMALS										
AN SCI	I 42	Intro Comp	Ani Bio	(4)	NO CC	MPARA	ABLE COURS	E		
			EQUIN	E SCIE	NCE					

AN SCI 15 Intro Horse Husb (3) EQSCI 25 Equine Science (3)

### 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

p) Students must take any three of ANSCI 2, ANSCI 27, ANSCI 28, ANSCI 29, to be comparable to UC Davis's AN SCI 2.

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

### Special Advising Note:

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#### College Foreign Language Requirement Note:

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

Advanged Discount (AD) and International Degalerments (ID) Evenination Note:

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	EVOLUTI	ONARY	<b>EMPHASI</b>	<u>:</u>		
ANTHRO 1	Human Evol Biol	(4)	ANTHRO	1	Biological Anthropology	(3)
ANTHRO 2	Cultural Anthropology	(4)	  ANTHRO	2	1 31	(3)
As of W17,	1 31	( 1 )	MITIMO	2	cartarar Antinioporogy	(3)
b) ANTHRO 3		(4)	ANTHRO	3	Introduction to	(3)
			j		Archaeology	

#### ONE COURSE FROM THE FOLLOWING:

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

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#### ONE COURSE FROM THE FOLLOWING:

	Sci Method in Physical Anthropology	(4)	!	ARTICULATED: College has course(s) for articulation						
STATIST 13 Same as: STATIST 13	<del>-</del>	(4)	MATH 15 	Elementary Statistics	(4)					
STATIST 32	Stat Anlys Thru Comp	(4)	NO COMPAR	ABLE COURSE						
As of F18, tit	As of F18, title = Gateway to Data Science									
SOCIOL 46B Intro Social Rsch (5) NO COMPARABLE COURSE										
	SOCIOCULTURAL EMPHASIS:									
ANTHRO 2 Cu	ultural Anthropology	(4)	ANTHRO 2	Cultural Anthropology	(3)					
As of W17, un:	its=5									
	TWO COURSES I	FROM :	THE FOLLOW	ING:						
ANTHRO 1 Hu	uman Evol Biol	(4)	ANTHRO 1	Biological Anthropology	(3)					
b) ANTHRO 3	Intr to Archaeology	(4)	ANTHRO 3	Introduction to Archaeology	(3)					
ANTHRO 4 An	nthro Linguistics	(4)	NO COMPAR	ABLE COURSE						

### SELECT ONE OF THE FOLLOWING TWO OPTIONS:

- 1) Two additional quarters of the foreign language used to meet the L & S language requirement.
- 2) Two courses from the following list:

ANTHRO 20	Comparative Cultures	(4)	ANTHRO 30	Anthropology of (3)
				Globalization
ANTHRO 30	Sexualities	(4)		ARTICULATED: College has not
			submitted	course(s)for articulation
ANTHRO 32	Drugs, Science and	(4)		ARTICULATED: College has not
	Culture		submitted	course(s) for articulation
Same as:	SCI&TEC 32			
ANTHRO 34	Cultures of Consumerism	(4)		ARTICULATED: College has not
			submitted	course(s) for articulation
THE OF MA TO				

END OF MAJOR

b) Students who take ANTHRO 3 at Santa Rosa Junior College will receive credit at UC Davis for ANTHRO 3 OR 23, NOT BOTH.

#### ====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 <a href="https://doi.org/10.10/10.2016/journal.org/10.2016/journal.o

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.

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#### Transfer Admission Guarantee (TAG) Note:

available from our TAG website.

CHEM 8A Organic Chem-Brief

GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> 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 2016-18 General Catalog . Quick reference charts for AP and IB are also

\_\_\_\_\_\_ (4) ANTHRO 1 Biological Anthropology ANTHRO 1 Human Evol Biol ANTHRO 2 Cultural Anthropology (4) ANTHRO 2 Cultural Anthropology (3) As of W17, units=5 b) ANTHRO 3 Intr to Archaeology (4) ANTHRO 3 Introduction to (3) Archaeology \_\_\_\_\_\_ BIOLSCI 2A Intro Biology:Life on (5) | BIO 2.1 Fundamentals of Biology (5) Earth (Cell and Molecular) BIOLSCI 2B Intro Biology: Ecology (5) | BIO 2.2 & Fundamentals of Biology (5) & Evolution (Evolution, Genetics, and Zoology) |BIO 2.3 Fundamentals of Biology (5) | (Botany and Ecology) Intro Biology: (5) BIO 2.2 & Fundamentals of Biology (5) BIOLSCI 2C Biodiversity & the Tree (Evolution, Genetics, of Life and Zoology) of Life and Zoology) |BIO 2.3 Fundamentals of Biology (5) (Botany and Ecology) -----CHEM 2A Genl Chemistry (5) CHEM 1A General Chemistry (5) OR CHEM 4A General Chemistry with (5) Quantitative Analysis (5) CHEM 1A & General Chemistry CHEM 2B Genl Chemistry (5) CHEM 1B General Chemistry (5) OR CHEM 4A & General Chemistry with (5) Quantitative Analysis |CHEM 4B General Chemistry with (5) Quantitative Analysis \_\_\_\_\_

CHEM 8B Organic Chem-Brief (4) CHEM 8 Introductory Organic (5)

(2) CHEM 8 Introductory Organic (5) Chemistry

CHEM CHEM	118A 118B	_	Hlth & Sci Hlth & Sci			12A	<u>&amp;</u>	Organic Chemistry (5	)
	16A 16B 16C	Short Calc Short Calc Short Calc	ulus	(3)	MATH	1B		Calculus, First Course (5 Calculus, Second Course (5 Calculus, Second Course (5	)
MATH MATH		Calculus f	or BioSci or Biosci	, ,	submi	Ltted	d	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not	
MATH	17C	Calculus f	or BioSci	(4)	NO CO	URSE	E P	course(s) for articulation ARTICULATED: College has not course(s) for articulation	t
	017	OR		(4)		1 -		OR C. J. J. T. J. G. (5	,
		Calculus Calculus			!			Calculus, First Course (5 Calculus, Second Course (5	•
		Calculus			1			Calculus, Third Course (4	-
			ONE COURSE F	ROM T	HE FOI	TLOMI	ENG		-
ANTHE	RO 13	Sci Metho Anthropol		(4)	•			ARTICULATED: College has not course(s) for articulation	t
	)L 46B		cial Rsch		!				
		Elementa: STATIST 13	_	(4)	MATH	15		Elementary Statistics (4	)
STATI	ST 32	Stat Anl	ys Thru Comp eway to Data S		•	MPAF	RAE	BLE COURSE	_

#### RECOMMENDED COURSES FOR THIS MAJOR:

ANTHRO 15	Human Life Cycle	(5)		ARTICULATED: College has	
			submitted	course(s) for articulation	on
ANTHRO 50	Evolution and Human	(4)		ARTICULATED: College has	
	Nature		submitted	course(s) for articulation	n
q) GEOLOGY	1 The Earth	(4)	GEOL 1	The Earth	(3)
PSYCH 1	General Psychology	(4)	PSYCH 1A	General Psychology	(3)

#### END OF MAJOR

- b) Students who take ANTHRO 3 at Santa Rosa Junior College will receive credit at UC Davis for ANTHRO 3 OR 23, NOT BOTH.
- ${
  m q})$  If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

#### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is  $\underline{\text{highly recommended}}$  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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH	21A	Calculus	(4)   MA	ATH	1A	Calculus,	First Course	(5)
MATH	21B	Calculus	(4) MA	ATH	1B	Calculus,	Second Course	(5)
MATH	21C	Calculus	(4) MA	ATH	1C	Calculus,	Third Course	(4)
			Or high school	equi	.valent	:		

MATH 21D Vector Analysis (4) | MATH 1C Calculus, Third Course (4) MATH 22B Differntl Equations (3) | MATH 2 Calculus, Fourth Course (3) | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differential Equations | Differen

|submitted course(s) for articulation

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

# or equivalent basic knowledge of MATLAB. BOTH OF THE FOLLOWING COURSES:

MATH 22A Linear Algebra (3) MATH 5 Introduction to Linear (3) Algebra

AND AND

MATH 108 Intro Abstract Math (4) This course must be taken at UC Davis

# OR SELECT THE FOLLOWING COURSE:

MATH 67 Modern Linear Algebra (4) NO COMPARABLE COURSE

NOTE: Basic knowledge of MATLAB is required for both MATH 67 and 22A. Students

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 ur	nit course Mathematics 23	2AL (may	be tak	ken concurrently).	
ENG CS 30	Programming&Prob Solving	g (4) CS	10	Introduction to Computer Programming	(4)
As of F18	, Course Number = ENG CS		<u>OR</u> 17.11	Java Programming	(3)
ENG CS 40	Sftwr/Obj-Orien:C++	(4)   CS	11	Data Structures and Algorithms	(4)
As of F18	, Course Number = ENG CS	36B			

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: Fundamentals of Biology (5) BIOLSCI 2A Intro Biology:Life on (5) BIO 2.1 Earth (Cell and Molecular) BIOLSCI 2B Intro Biology: Ecology (5) BIO 2.2 & Fundamentals of Biology (5) & Evolution (Evolution, Genetics, and Zoology) BIO 2.3 Fundamentals of Biology (5) (Botany and Ecology) OR OR (5) CHEM 1A General Chemistry CHEM 2A Genl Chemistry (5) OR CHEM 4A General Chemistry with (5) Ouantitative Analysis CHEM 2B Genl Chemistry (5) CHEM 1A & General Chemistry (5) CHEM 1B General Chemistry (5) CHEM 4A & General Chemistry with (5) Quantitative Analysis CHEM 4B General Chemistry with (5) Quantitative Analysis OR OR ECON 1A Princ of Microecon (4) ECON 2 Principles of (3) Microeconomics ECON 1B Princ of Macroecon (4) ECON 1 Principles of (3) Macroeconomics OR OR PHYSICS 9A Classical Physics (5) PHYS 40 Classical Mechanics for (5) Scientists and Engineers PHYSICS 9B Classical Physics (5) PHYS 41 Waves, Optics and (4)Thermodynamics for Scientists & Engineers OR STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE As of F18, title = Gateway to Data Science STATIST 100 Applied Stats for Bio (4) This course must be taken at UC Davis Sci

#### END OF MAJOR

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

# Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is highly recommended that students complete a calculus-based physics series, a

calculus series through linear algebra and differential equations, and a formal course in C programming before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree. As a result, students who expect to graduate in two years will need the recommended courses upon entry.

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

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#### 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

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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  $\frac{\text{http://tag.ucdavis.edu}}{\text{http://tag.ucdavis.edu}} \text{ for details regarding UC Davis TAG.}$ 

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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.

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AP and IB examination credit policies are detailed in the UC Davis 2016-18

 $\underline{\text{General Catalog}}$  . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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PHYSICS 9A	Classical Physics	(5)	  РНҮЅ 40 	Classical Mechanics for (5) Scientists and Engineers
PHYSICS 9B	Classical Physics	(5)	  PHYS 41 	Waves, Optics and (4) Thermodynamics for Scientists & Engineers
PHYSICS 9C	Classical Physics	(5)	  PHYS 42   	Electricity and (4) Magnetism for Scientists and Engineers
PHYSICS 9D	Modern Physics	(4)	PHYS 43	Modern Physics for (3) Scientists and Engineers
	OR			OR
PHYSICS 9HA	Honors Physics	(5)		ARTICULATED: College has not
				course(s) for articulation
PHYSICS 9HB	Honors Physics	(5)		ARTICULATED: College has not
				course(s) for articulation
PHYSICS 9HC	Honors Physics	(5)		ARTICULATED: College has not
			1	course(s) for articulation
	DEPENDING ON AREA OF			
PHYSICS 9HD	Honors Physics	(5)		ARTICULATED: College has not
				course(s) for articulation
PHYSICS 9HE	Honors Physics	(5)		ARTICULATED: College has not
			submitted	course(s) for articulation
MATH 21A		(4)	  MATH 1A	Calculus, First Course (5)
MATH 21B	Calculus		MATH 1B	
MATH 21C	Calculus			Calculus, Third Course (4)
MATH 21D	Vector Analysis			Calculus, Third Course (4)
MATH 22A	Linear Algebra	(3)	MATH 5	Introduction to Linear (3)
			j	Algebra
MATH 22B	Differntl Equations	(3)	MATH 2	Calculus, Fourth Course (3)
				- Differential Equations
PHYSICS 80	Experimental Techniques	(4)		
	Programming&Prob Solving	(4)	  CS 10 	Introduction to (4) Computer Programming
			OR	
	0		$  \text{CS } \overline{17.11}  $	Java Programming (3)

As of F18, Course Number = ENG CS 36A

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

OR

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

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

CHEM 1B General Chemistry (5)

| OR | CHEM 4A & General Chemistry with (5)

CHEM 2C	Genl Chemistry	(5)	CHEM 4B  CHEM 1B  OR  CHEM 4B	2	(5) (5)
	COMPUTATIO	NAL PHYS	SICS CONCE	NTRATION	
ENG CS 40	Sftwr/Obj-Orien:C++	(4)		Data Structures and Algorithms	(4)
As of F	18, Course Number = ENG	CS 36B	•		
	PHYSICAL 1	ELECTRON	NICS CONCE	NTRATION	
ENGIN 17	Circuits I	(4)	ENGR 16	Electric Circuits & Devices	(4)
	PHYSICAL OC	EANOGRAI	HY CONCEN	 TRATTON	
CHEM 2A	Genl Chemistry			General Chemistry	(5)
			OR CHEM 4A	General Chemistry with Quantitative Analysis	(5)
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)		ARTICULATED: College has course(s) for articulati	

END OF MAJOR

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

#### Special Advising Note:

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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	FOUR COURSES FI	ROM '	THE FOLLOWING:	
ARTHI 1A	Ancient Mediterranean Art	(4)	) ART 2.1 History & Aesthetic (3)   Appreciation of   Prehistoric - Gothic   Art	)
ARTHI 1B	Mediev&Renaiss Art	(4)	Appreciation of Late Gothic to Impressionist Art	)
ARTHI 1C	Baroque to Modern Art	(4)	) ART 2.3 History and (3) Appreciation of Modern Art	)
ARTHI 1D	Arts of Asia	(4)	) NO COMPARABLE COURSE	
ARTHI 1E	Islamic Art & Architecture	(4)	) NO COURSE ARTICULATED: College has not submitted course(s) for articulation	t
ARTHI 5	Visual Culture	(4)	) NO COMPARABLE COURSE	
ARTHI 25	Understanding Architecture	(4)	ARCH 2.2 <u>&amp;</u> History of World (3) Architecture: Renaissance to 20th Century	)
			ARCH 2.3 History of World (3 Architecture: 20th Century and Contemporary	)

## ONE ART STUDIO COURSE FROM:

f) A	ART 2	Beginning Drawing	(4)	ART OF		Drawing & Composition 1	(3)
				<u>51</u>   ART 	_	Drawing and Composition 2	(3)
ART	5	Beginning Sculpture	(4)	ART	33A <b>OR</b>	Beginning Sculpture	(3)
				! -	33B	Intermediate Sculpture	(3)
ART	7	Beginning Painting	(4)	ART	14A	Beginning Painting	(3)
ART	8	Beginning Ceramic Sculpture	(4)	NO C	COMPARA	ABLE COURSE	
ART	9	Beginning Photography	(4)	NO C	COMPARA	ABLE COURSE	
ART	11	Beginning Printmaking	(4)	ART	24	Introduction to the Art of Printmaking	(3)
ART	12	Beginning Video	(4)	MEDI 	IA 20	Introduction to Digital Filmmaking	(4)
ART	24	Intro Experimental Video and Film	(4)			ARTICULATED: College has course(s) for articulation	

END OF MAJOR

College's ART 7A and 7B in lieu of DESIGN 14. The Art Department at UC Davis will accept Santa Rosa Junior College's ART 7A in lieu of ART 2 or ART 7B in lieu of Art 2.

#### ====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 <a href="transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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### College Foreign Language Requirement Note:

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

Advanced Plannack (AP) and Tatamarkianal Panalaumarka (TP) Tanalaukian Nata

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

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FOUR COURGES ERON MUE FOLLOWING.

	FOUR COURSES	FROM '	THE FOLLOW	ING:	
f) ART 2	Beginning Drawing	(4)	ART 7A	Drawing & Composition 1	(3)
			OR		
			ART 7B	Drawing and Composition	(3)
				2	
ART 5	Beginning Sculpture	(4)	ART 33A	Beginning Sculpture	(3)
			OR		
			ART 33B	Intermediate Sculpture	(3)

ART 7 ART 8 ART 9	Beginning Painting Beginning Ceramic Sculpture Beginning Photography	(4)			(3)
ART 11	Beginning Printmaking	. ,	ART 24 Int	troduction to the Art Printmaking	(3)
ART 12	Beginning Video	(4)	MEDIA 20 I	Introduction to Digital Filmmaking	(4)
	TWO LECTURE COURSES CHO		-		
ART 24	Intro Experimental Video and Film	(4)	•	<pre>FICULATED: College has urse(s) for articulation</pre>	
ART 30	Contemp Vis Culture	(4)	NO COMPARABLE	E COURSE	
ARTHI 1A	<del>-</del>	(4)	Ar Pr	istory & Aesthetic opreciation of rehistoric - Gothic rt	(3)
ARTHI 1B	Mediev&Renaiss Art	(4)	Ap	istory and opreciation of Late othic to Impressionist	(3)
ARTHI 1C	Baroque to Modern Art	(4)	l .	istory and opreciation of Modern rt	(3)
ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE	E COURSE	
ARTHI 1E	Islamic Art &	(4)	NO COURSE ART	TICULATED: College has	not
	Architecture		!	urse(s) for articulatio	
ARTHI 5	Visual Culture	(4)	NO COMPARABLE	E COURSE	
ARTHI 25	Understanding Architecture	(4)		History of World Architecture: Renaissance to 20th Century	(3)
END OF MA	A TOP		I C	History of World Architecture: 20th Century and Contemporary	(3)

END OF MAJOR

f) The Department of Design at UC Davis will accept Santa Rosa Junior College's ART 7A and 7B in lieu of DESIGN 14. The Art Department at UC Davis will accept Santa Rosa Junior College's ART 7A in lieu of ART 2 or ART 7B in lieu of Art 2.

#### ====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 <a href="transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

# Transfer Admission Guarantee (TAG) Note:

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

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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.

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

A A STD 1 A A STD 2	Hist Exp Asian Am Contemp Issues of Asian		NO COMPARABLE COURSE  NO COMPARABLE COURSE
	Americans		
A A STD 3	Social & Psychological	(4)	NO COURSE ARTICULATED: College has not
	Perspectives of Asian		submitted course(s) for articulation
	Americans		
A A STD 4	Asian Amer Cultural	(4)	NO COURSE ARTICULATED: College has not
	Studies		submitted course(s) for articulation

#### AT LEAST TWO COURSES FROM THE FOLLOWING:

AF-AMST	10	Af-Am Culture & Soc	(4)	HIST 30 African-American (3)
AF-AMST	12	Intro Afro Studies	(4)	History  NO COMPARABLE COURSE
AF-AMST	15	Intro Afro Amer Hum	(4)	ENGL 31 African-American Arts (3)   and Literature
AF-AMST	16	African Verbal Arts	(4)	
AF-AMST				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	(4)	NO COMPARABLE COURSE
		Culture		
AMR STD	1B	Relig in Am Lives	(4)	RELS 32 Religion in America (3)
AMR STD	1C	American Lives	(4)	NO COMPARABLE COURSE
AMR STD	1E	Nat&Cult Amr	(4)	NO COMPARABLE COURSE
AMR STD	5	Tech in Amr Lives	(4)	NO COMPARABLE COURSE
AMR STD	10	Intro American Studies	(4)	NO COMPARABLE COURSE
AMR STD	21	Objects & Everyday Life	(4)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation

AMR STD	25 U.S. as Business	(4)	NO COURSE ARTICULATED: College has not
	Culture		submitted course(s) for articulation
AMR STD	30 Amr Images Pop Cult	(4)	NO COMPARABLE COURSE
AMR STD	55 Food in Amer Culture	(4)	NO COURSE ARTICULATED: College has not
Same	as: FD S&T 55		submitted course(s) for articulation
AMR STD	Music and American	(4)	NO COURSE ARTICULATED: College has not
	Culture		submitted courses for articulation
CHICANO	lO Intro to Chic Std	(4)	HIST 26 History of Chicanos and (3)
			Latinos from 1848 to
			Present
CHICANO			NO COMPARABLE COURSE
CHICANO		. ,	NO COMPARABLE COURSE
CHICANO	10 Comparative Health	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
CHICANO	50 Chicano Culture	(4)	ENGL 33 ChicanoChicana Arts & (3)
a a	50 61 1 61 1	( 4 )	Literature
CHICANO		(4)	NO COMPARABLE COURSE
a a	Representn in Cinema	( 4 )	
CHICANO		(4)	NO COURSE ARTICULATED: College has not
CILT CANO	Cinema	/ 4 \	submitted course(s) for articulation
CHICANO CHICANO	<del>-</del>		NO COMPARABLE COURSE
	<u> </u>		NO COMPARABLE COURSE
N A STD	I Intro NA Studies	(4)	ANTHRO 32 Native Cultures of (3) North America
N A STD	5 Intro NA Literature	(1)	NOICH AMELICA NO COMPARABLE COURSE
N A STD		` '	NO COURSE ARTICULATED: College has not
N A SID	Indig & Minority Langs	(+)	submitted course(s)for articulation
N A STD	10 NA Experience	(1)	NO COMPARABLE COURSE
N A STD			NO COURSE ARTICULATED: College has not
N A SID	Film	( 1 )	submitted course(s)for articulation
N A STD		(4)	NO COMPARABLE COURSE
N A STD		, ,	ANTHRO 43 Native American Art (3)
1 11 515		( - /	and Culture
			and careare
N A STD	34 NA Art Workshop	(4)	NO COMPARABLE COURSE
N A STD WOM STD			NO COMPARABLE COURSE  COUN 20
WOM STD	20 Cult Repr of Gndr	(4)	COUN 20 Sex and Gender (3)
	20 Cult Repr of Gndr	(4)	COUN 20 Sex and Gender (3)   NO COURSE ARTICULATED: College has not
WOM STD	20 Cult Repr of Gndr 25 Gender & Global Cinema	(4)	COUN 20 Sex and Gender (3) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD WOM STD	20 Cult Repr of Gndr 25 Gender & Global Cinema	(4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not
WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies	(4) (4) (4)	COUN 20 Sex and Gender (3) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies	(4) (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques	(4) (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not
WOM STD WOM STD WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques	<ul><li>(4)</li><li>(4)</li><li>(4)</li><li>(4)</li><li>(4)</li></ul>	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation submitted course(s) for articulation PSYCH 3 Human Sexuality (3)
WOM STD WOM STD WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE	(4) (4) (4) (4) (4) <b>FOLI</b>	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation submitted course(s) for articulation PSYCH 3 Human Sexuality (3)
WOM STD WOM STD WOM STD WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE	(4) (4) (4) (4) (4) <b>FOLI</b>	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation submitted course(s) for articulation PSYCH 3 Human Sexuality (3) LOWING METHODS COURSES:
WOM STD WOM STD WOM STD WOM STD WOM STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical	(4) (4) (4) (4) <b>FOLI</b> (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES:  NO COURSE ARTICULATED: College has not
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture	(4) (4) (4) (4) <b>FOLI</b> (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES:  NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation	(4) (4) (4) (4) <b>FOLI</b> (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES:  NO COURSE ARTICULATED: College has not submitted course(s) for articulation    NO COMPARABLE COURSE
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Anthropology Visual Culture Fine Art Appreciation W17, units = 4	(4) (4) (4) (4) <b>FOLI</b> (4) (4) (3)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES:  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COMPARABLE COURSE  ART 3 Introduction to Art & (3)  Design
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture	(4) (4) (4) (4) <b>FOLI</b> (4) (3)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES:  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COURSE ARTICULATED: College has not submitted course(s) for articulation  NO COMPARABLE COURSE  ART 3 Introduction to Art & (3)  Design
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WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading	(4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES: NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COMPARABLE COURSE ART 3 Introduction to Art & (3) Design  NO COMPARABLE COURSE NO COURSE ARTICULATED: College has not submitted course(s) for articulation for compartable course (s) NO COMPARABLE COURSE NO COURSE ARTICULATED: College has not submitted course(s) for articulation for compartable course(s) for articulation for compartable course(s) for articulation for compartable course (s)
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research	(4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20 Sex and Gender (3)  NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COURSE ARTICULATED: College has not submitted course(s) for articulation PSYCH 3 Human Sexuality (3)  LOWING METHODS COURSES: NO COURSE ARTICULATED: College has not submitted course(s) for articulation NO COMPARABLE COURSE ART 3 Introduction to Art & (3) Design  NO COMPARABLE COURSE NO COURSE ARTICULATED: College has not submitted course(s) for articulation for compartable course (s) NO COMPARABLE COURSE NO COURSE ARTICULATED: College has not submitted course(s) for articulation for compartable course(s) for articulation for compartable course(s) for articulation for compartable course (s)
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WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Soi Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD PHILOS 5	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS Critical Reasoning	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20   Sex and Gender   (3)   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   PSYCH 3   Human Sexuality   (3)   LOWING METHODS COURSES:   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COMPARABLE COURSE   ART 3   Introduction to Art & (3)   Design   NO COMPARABLE COURSE   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COMPARABLE COURSE   PHIL 3   Critical Thinking   (3)   OR   PHIL 5   Critical   (3)   Thinking/Writing
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS Critical Reasoning	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD PHILOS 5	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS Critical Reasoning	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD PHILOS 5	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS Critical Reasoning	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20
WOM STD WOM STD WOM STD WOM STD WOM STD ANTHRO 1 ARTHI 5 g) ART 1 As of ART 30 CHICANO ENGLISH N A STD PHILOS 5	Cult Repr of Gndr Gender & Global Cinema Intro Gender Studies Feminist Critiques Sexual:Thry&Hist AT LEAST TWO COURSES FROM THE Sci Method in Physical Anthropology Visual Culture Fine Art Appreciation W17, units = 4 Contemp Vis Culture Qualitative Research Methods Approaches to Reading Orientation to Research in NAS Critical Reasoning	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	COUN 20

			Methods
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
STATIST 13	Elementary Statistics	(4)	)   MATH 15 Elementary Statistics (4)
Same as:	STATIST 13Y		

END OF MAJOR

g) The Department of Design at UC Davis will accept Santa Rosa Junior College's ART 3 in lieu of DESIGN 15. The Art Department at UC Davis will accept Santa Rosa Junior College's ART 3 in lieu of ART 10.

#### ====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  $\frac{\text{highly recommended}}{\text{preparing well for the major helps}}$  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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#### Transfer Admission Guarantee (TAG) Note:

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

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

\_\_\_\_\_\_

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis decides 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARA	BLE COURSE	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A   OR	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
			OR		
			CHEM 4A &	General Chemistry with	(5)
			<u> </u>	Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	
ENG CS 30	Programming&Prob Solving	(4)	CS 10	Introduction to	(4)
			İ	Computer Programming	
			OR		
			$ CS $ $\overline{17.11}$	Java Programming	(3)

As of F18, Course Number = ENG CS 36A

#### or a course selected with advisor's approval

MATH	21A	Calculus	(4)	MATH	1A	Calculus, First Course	(5)
MATH	21B	Calculus	(4)	MATH	1B	Calculus, Second Course	(5)
MATH	21C	Calculus	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	22A	Linear Algebra	(3)	MATH	5	Introduction to Linear	(3)
						Algebra	
MATH	22B	Differntl Equations	(3)	MATH	2	Calculus, Fourth Course	(3)
				ĺ		- Differential Equations	

ATM SCI	60	Intro to Atmospheric Science	(4)	NO C	OMPARAI	BLE COURSE	
PHYSICS	9A	Classical Physics	(5)	PHYS   	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS	9B	Classical Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS	9C	Classical Physics	(5)	PHYS     	42	Electricity and Magnetism for Scientists and Engineers	(4)
STATIST Same		Elementary Statistics TATIST 13Y	(4)	   MATH 	15	Elementary Statistics	(4)

# PREPARATION FOR GRADUATION:

ENGIN 6 Engr Prob Solving (4) ENGR 6 Programming in MATLAB (3) for Engineers

END OF MAJOR

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

#### 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.

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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 our website for details regarding UC Davis TAG.

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#### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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## REQUIRED FOR ADMISSION:

a) MATH 21A	Calculus	(4)	MATH	1A	Calculus, First Course	(5)
a) MATH 21B	Calculus	(4)	HTAM	1B	Calculus, Second Course	(5)
a) MATH 21C	Calculus	(4)	MATH	1C	Calculus, Third Course	(4)
a) MATH 21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
a) MATH 22A	Linear Algebra	(3)	MATH 	5	Introduction to Linear Algebra	(3)
a) MATH 22B	Differntl Equations	(3)	j		Calculus, Fourth Course - Differential Equations	
a) PHYSICS 9A	Classical Physics	(5)				
a) PHYSICS 9B	Classical Physics	(5)	PHYS   	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
	Classical Physics	(5)	   		Electricity and Magnetism for Scientists and Engineers	(4)
	Genl Chemistry	(5)		1A		(5)
			<u>01</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)		1A <u>&amp;</u> 1B	General Chemistry General Chemistry	(5) (5)

		(5)
	Quantitative Analysis  CHEM 4B General Chemistry with (   Quantitative Analysis	(5)
a) CHEM 2C Genl Chemistry	(5) CHEM 1B General Chemistry (	(5)
	<u>OR</u>  CHEM 4B General Chemistry with (   Quantitative Analysis	(5)
a) CHEM 128A Organic Chemistry	(3) CHEM 12A Organic Chemistry (	(5)
a) CHEM 128B Organic Chemistry	(3) CHEM 12A & Organic Chemistry (	(5)
	CHEM 12B Organic Chemistry (	(5)
a) CHEM 129A Organic Chem Lab	(2) CHEM 12A Organic Chemistry (	(5)
a) BIOLSCI 2A Intro Biology:Life on Earth	(5) BIO 2.1 Fundamentals of Biology (Cell and Molecular)	(5)
ENG CHM 60 Engineering Problem Solv	(4)	
a) ENG CS 30 Programming&Prob	:	(4)
Solving	Computer Programming OR	
OR	· · · · · · · · · · · · · · · · · · ·	(3)
a) ENGIN 6 Engr Prob Solving	(4) ENGR 6 Programming in MATLAB (for Engineers	(3)
Required for admission. Students m	nust complete one programming	

Required for admission. Students must complete <u>one</u> programming course in a higher level language intended for students majoring in engineering, physical sciences, or mathematics.

a) UWRITING 1 Expository Writing (4) ENGL 1A College Composition (4)

OR | OR

a) ENGLISH 3 Intro to Lit (4) ENGL 1B Literature and (3)

Composition

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

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#### REQUIRED FOR GRADUATION:

a) ENG CHM 51 Material Balances (4) NO COMPARABLE COURSE
a) ENG CHM 80 Chem Engr Profession (1) NO COMPARABLE COURSE

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.

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a) This articulation is approved for engineering majors.

## ====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 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	  BIO 2. 	. 1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecolog & Evolution	y (5)	BIO 2.   	.2 <u>&amp;</u>		(5)
				BIO 2.	. 3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	Intro Biology: Biodiversity & the Tre		BIO 2. 	. 2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics,	(5)
		of Life		  BIO 2. 	. 3	and Zoology) Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	(	Genl Chemistry	(5)	   CHEM 1   <b>OR</b>	LA	General Chemistry	(5)
				CHEM 4	4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B		Genl Chemistry	(5)	CHEM 1	LA &	General Chemistry	(5)
				CHEM 1	lB _	General Chemistry	(5)
				OR			
				CHEM 4	4A <u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
				CHEM 4	4B	General Chemistry with	(5)
						Quantitative Analysis	
CHEM 2C	(	Genl Chemistry	(5)	CHEM 1	lB	General Chemistry	(5)
				CHEM 4	4B	General Chemistry with	(5)
						Quantitative Analysis	
		OR				OR	
CHEM 2A	H	Honors Genl Chemistry	(5)			ARTICULATED: College has	
_						course(s) for articulation	
CHEM 2B	H	Honors Genl Chemistry	(5)			ARTICULATED: College has	
CITEM OC		Harris Caral Chamista	( - )			course(s) for articulation	
CHEM 2C	H	Honors Genl Chemistry	(5)			ARTICULATED: College has course(s) for articulation	
 мати 17	Δ	Calculus for BioSci	(4)		TRCF	ARTICULATED: College has	no+
PICALLI I /	4.1	Carcarab for Diober	( 1			course(s) for articulation	
				1			- · <del>-</del>

MATH 17B	Calculus for Biosci	(4)			ARTICULATED: College has not course(s) for articulation
MATH 17C	Calculus for BioSci OR	(4)	NO CO	OURSE	ARTICULATED: College has not course(s) for articulation  OR
MATH 21A	*=-	(1)	l Imaturu	1 n	Calculus, First Course (5)
MATH 21B					Calculus, Second Course (5)
PHYSICS 7A	General Physics	(4)	PHYS	20	<u>&amp;</u> General Physics (3) Lecture Part I
			  PHYS	20L	& General Physics Lab (1) Part I
			PHYS	21	& General Physics (3) Lecture Part II
			  PHYS	21L	General Physics Lab (1) Part II
PHYSICS 7B	General Physics	(4)	  PHYS	20	& General Physics (3) Lecture Part I
			  PHYS	20L	& General Physics Lab (1) Part I
			  PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			  PHYS 	21L	General Physics Lab (1) Part II
PHYSICS 7C	General Physics	(4)	PHYS	20	<u>&amp;</u> General Physics (3) Lecture Part I
			PHYS	20L	& General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			PHYS	21L	General Physics Lab (1) Part II

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

	OR				OR	
PHYSICS 9A	Classical Physics	(5)	PHYS	40	Classical Mechanics for ( Scientists and	5)
					Engineers	
PHYSICS 9B	Classical Physics	(5)	PHYS	41	Waves, Optics and (	4)
					Thermodynamics for	
					Scientists & Engineers	
PHYSICS 9C	Classical Physics	(5)	PHYS	42	Electricity and (	4)
					Magnetism for	
					Scientists and	
					Engineers	
CHEM 118A	Org Chem, Hlth & Sci	(4)	   CHEM	 12∆	Organic Chemistry (	5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	!		<del>-</del>	5)
CILLII IIOD	org chem, men a ber	( 1 )	CHEM		_	5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	! -		<del>-</del>	5)
CIIIII IIOC	OR	( 1 )		120	OR OR	5,
CHEM 128A	Organic Chemistry	(3)	CHEM	12A	Organic Chemistry (	5)
CHEM 128B	Organic Chemistry	, ,	CHEM		· ·	5)
	- J	( - )	CHEM			5)
CHEM 128C	Organic Chemistry	(3)	!			5)
CHEM 129A	Organic Chem Lab	(2)	CHEM	12A	_	5)
CHEM 129B	Organic Chem Lab	(2)	CHEM	12A	<del>-</del>	5)
	_		CHEM			5)

(4) MATH 1C Calculus, Third Course (4)

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#### END OF MAJOR

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

### Special Advising Note:

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

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

## REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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 <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it 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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#### 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.

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#### Transfer Admission Guarantee (TAG) Note:

Education(GE) Note:

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

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

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

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

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

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

BIOLSCI	2A	Intro Biology:Life or Earth	n (5)	BIO	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecolog & Evolution	gy (5)	BIO   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tr of Life</pre>		BIO   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO   	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Gei	nl Chemistry	(5)	CHEM	1A <b>R</b>	General Chemistry	(5)
				CHEM	4A	General Chemistry with	(5)

CHEM 2B	Genl Chemistry	(5)	  CHEM  CHEM   OI	1B	<u>&amp;</u> (	General C	ive Analy Chemistry Chemistry	sis	(5) (5)
			<u>OI</u>   CHEM 	_	_		Chemistry Live Analy		(5)
			CHEM	4B	(	General C	Chemistry Live Analy	with	(5)
CHEM 8A	Organic Chem-Brief	(2)	   CHEM 	8		ntroducto hemistry	ory Organi	С	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM	8	I	ntroducto hemistry	ory Organi	С	(5)
GIIDM 1107	OR	(1)	CITEM	107		OR			<b>/ F</b> \
CHEM 118A CHEM 118B	Org Chem, Hlth & Sci Org Chem, Hlth & Sci		CHEM				Chemistry Chemistry		(5)
CHEM 110B	org chem, Arch & Scr	(+)	CHEM				Chemistry		(5)
CHEM 118C	Org Chem, Hlth & Sci	(1)	CHEM				Chemistry		(5) (5)
CHEM IIOC	org chem, Hich & Sci	( <del>4</del> )		120		organic	CHEMISCLY		(5)
MATH 17A	Calculus for BioSci	(4)					D: Colleg for artic		
MATH 17B	Calculus for Biosci	(4)					D: Colleg		
			•				for artic		
	OR		ĺ			OR	Ł		
MATH 21A	Calculus						First Co		
MATH 21B	Calculus	(4)	MATH	1B	(	Calculus,	Second C	ourse	(5)
PHYSICS 1A PHYSICS 1B	Principles Physics		:			LE COURSE LE COURSE	1		
DINIGEGG FA	OR	(4)		0.0	_	OR			(2)
PHYSICS 7A	General Physics	(4)	PHYS	20	<u>&amp;</u>	General			(3)
			  PHYS	20L	<u>&amp;</u>	Lecture General Part I	Physics L	ab	(1)
			PHYS	21	<u>&amp;</u>	General Lecture			(3)
			PHYS	21L		General	Physics L	ab	(1)
			İ			Part II	-		
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General	Physics		(3)
			ĺ			Lecture	Part I		
			PHYS	20L	<u>&amp;</u>		Physics L	ab	(1)
						Part I			
			PHYS	21	<u>&amp;</u>	General	Physics		(3)
						Lecture			
			PHYS	21L			Physics L	ab	(1)
						Part II			
PHYSICS 7C	General Physics	(4)	PHYS	20	<u>&amp;</u>	General			(3)
			   Diii:	20-	_	Lecture		- h	/1 \
			PHYS	ZUL	ðc.		Physics L	ab	(1)
				21		Part I General	Dhrai aa		(2)
			PHYS	$\Delta \perp$	œ		_		(3)
			  PHYS	21т		Lecture	Physics L	ah	(1)
			1 - 1112	~ 111		Part II	тиуатса п	ab	( 1 )
Tt ia biab	l.,		 						

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.

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CHEM 2C	Genl Chemistry	(5)	CHEM 1B <b>OR</b>	General Chemistry	(5)
			CHEM 4B	General Chemistry with Quantitative Analysis	(5)
MATH 17C	Calculus for BioSci	(4)		ARTICULATED: College has course(s) for articulation	
	OR			OR	
MATH 21C	Calculus	(4)	MATH 1C	Calculus, Third Course	(4)

END OF MAJOR

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

#### Special Advising Note:

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

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

### REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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 <u>strongly recommended</u> 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 <u>UC Transfer</u>

<u>Admission webpage</u>. In order to receive priority consideration it 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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## Transfer Admission Guarantee (TAG) Note:

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

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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.

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

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	  BIO 2   	2.2 <u>&amp;</u>		(5)
				  ВІО 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>	(5)	BIO 2   	2.2 <u>&amp;</u>		(5)
		OI HITE		  BIO 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Ge	nl Chemistry	(5)	   CHEM   <b>OF</b>		General Chemistry	(5)
				CHEM 	_	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Ge	nl Chemistry	(5)	CHEM	1A &	General Chemistry	(5)
				CHEM OF		General Chemistry	(5)
				CHEM 	_	General Chemistry with Quantitative Analysis	(5)
				CHEM	4B	General Chemistry with Quantitative Analysis	(5)
CHEM 2C	Ge	nl Chemistry	(5)	CHEM OF		General Chemistry	(5)
				<u>OI</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	 Or	ganic Chem-Brief	(2)	   CHEM	8	Introductory Organic	(5)

СНЕМ 8	8B	Organic Che	em-Brief	(4)	  CHEM 	8	Ir	nemistry ntroducto nemistry OF		nic	(5)
CHEM 1	118A	~	, Hlth & Sci	(4)	CHEM	12A		Organic	· <del>-</del>	ry	(5)
CHEM 1	118B		, Hlth & Sci					Organic Organic			(5)
					CHEM	12B		Organic			(5)
CHEM 1	118C 	Org Chem	, Hlth & Sci	(4)	CHEM	12B 		Organic	Chemist:	ry 	(5)
MATH 1	17A	Calculus	for BioSci	(4)	1			RTICULATE ourse(s)		_	
MATH 1	17в	Calculus	for Biosci	(4)	NO CO	OURSE	AF	RTICULATE ourse(s)	ED: Colle	ege has	not
MATH 1	17C	Calculus :	for BioSci	(4)				RTICULATE			
					submi	itted	. c	ourse(s)		iculatio	on
		OR			ļ			OF	· <del>-</del> ·		
		Calculus		(4)	MATH	1A		Calculus, Calculus,	, First (	Course	(5)
MA'I'H 2	 71R	Calculus		(4)	MA'I'H 			Calculus, 			(5)
PHYSIC	CS 7A	General	Physics	(4)	PHYS	20		General	Physics		(3)
					ļ			Lecture			
					PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	&	General	Physics		(3)
					İ		_	Lecture			` '
					PHYS	21L		General			(1)
								Part II			
PHYSIC	CS 7B	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General			(3)
						201		Lecture		T - 1-	(1)
					PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	&	General	Physics		(3)
					İ		_	Lecture			, ,
					PHYS	21L		General	Physics	Lab	(1)
					İ			Part II			
PHYSIC	CS 7C	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General	Physics		(3)
								Lecture			
					PHYS	20L	<u>&amp;</u>	General	Physics	Lab	(1)
					DITTC	0.1	_	Part I	Db		(2)
					PHYS	<b>Z</b>	<u>∝</u>	General	_		(3)
					  PHYS	21т		Lecture General			(1)
					   FUIS			Part II	FILYSICS	пαυ	( 1 )
	1. 1. 1. 7				١ , .			rait ii			

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 1C Calculus, Third Course (4)

END OF MAJOR

## ====Biological Systems Engineering B.S.====

# 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.

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# 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 2016-18 UC Davis General Catalog online.

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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 2016-2018 General Catalog. Quick reference charts for AP and IB are also available from our TAG website.

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### REQUIRED FOR ADMISSION:

a)	MATH 21A	Calculus	(4)   MATH 1A	Calculus,	First Course	(5)
a)	MATH 21B	Calculus	(4) MATH 1B	Calculus,	Second Course	(5)
a)	MATH 21C	Calculus	(4)   MATH 1C	Calculus,	Third Course	(4)

a) MATH 21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
a) MATH 22A	Linear Algebra	(3)	MATH 	5	Introduction to Linear Algebra	(3)
a) MATH 22B	Differntl Equations	(3)	MATH   	2	Calculus, Fourth Course - Differential Equations	(3)
a) PHYSICS 9A	Classical Physics	(5)	PHYS   	40	Classical Mechanics for Scientists and Engineers	(5)
a) PHYSICS 9B	Classical Physics	(5)	PHYS   	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a) PHYSICS 9C	Classical Physics	(5)	PHYS     	42	Electricity and Magnetism for Scientists and Engineers	(4)
a) BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO :	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
a) CHEM 2A	Genl Chemistry	(5)	CHEM		General Chemistry	(5)
			CHEM	_	General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM   CHEM	1B	General Chemistry General Chemistry	(5) (5)
			CHEM	_		(5)
			  CHEM 	4B	Quantitative Analysis General Chemistry with Quantitative Analysis	(5)
a) ENGIN 6	Engr Prob Solving	(4)	   ENGR 	6	Programming in MATLAB for Engineers	(3)
a) ENGIN 17	Circuits I	(4)	  ENGR 	16	Electric Circuits & Devices	(4)
a) ENGIN 35	Statics	(4)	   ENGR 	34	Engineering Mechanics: Statics	(3)
a) UWRITING 1	Expository Writing	(4)	ENGL	1A	College Composition	(4)

Only courses comparable to UWP 1 can be used to satisfy the lower-division composition requirement for Biological Systems Engineering students. One of the two courses taken to satisfy University of California admission requirements must be comparable to UWP 1.

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

#### REQUIRED FOR GRADUATION:

a)	CHEM 8A	Organic Chem-Brief OR	(2)	CHEM   	8	Introductory Organic Chemistry OR	(5)
a)	CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 	12A	Organic Chemistry AND	(5)
a)	CHEM 8B	Organic Chem-Brief OR	(4)	CHEM   	8	Introductory Organic Chemistry OR	(5)
a)	CHEM 118B	Org Chem, Hlth & Sci	(4)	•		© Organic Chemistry Organic Chemistry	
		Biosys Engr Fndts Prop Mat in Bio Sys					
a)	BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	  BIO   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
		AND		BIO	2.3	Fundamentals of Biology (Botany and Ecology)  AND	(5)
a)	BIOLSCI 2C		(5)	BIO	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
		ilee of Hile		BIO	2.3		(5)

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

a) This articulation is approved for engineering majors.

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

# 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.

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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 our website for details regarding UC Davis TAG.

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## 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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## REQUIRED FOR ADMISSION:

a)	MATH	21A	Calculus	(4)   MATH 1	A	Calculus,	First Course	(5)
a)	MATH	21B	Calculus	(4)   MATH 1	В	Calculus,	Second Course	(5)
a)	MATH	21C	Calculus	(4)   MATH 1	-C	Calculus,	Third Course	(4)
a)	MATH	21D	Vector Analysis	(4)   MATH 1	-C	Calculus,	Third Course	(4)
a)	MATH	22A	Linear Algebra	(3)   MATH 5		Introduction	on to Linear	(3)

a)	MATH 22B	Differntl Equations	(3)	MATH       	2	Calculus, Fourth Course - Differential Equations	(3)
a)	PHYSICS 9A	Classical Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
a)	PHYSICS 9B	Classical Physics	(5)	PHYS     	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a)	PHYSICS 9C	Classical Physics	(5)	PHYS       	42	Electricity and Magnetism for Scientists and Engineers	(4)
a)	CHEM 2A	Genl Chemistry	(5)	CHEM		General Chemistry	(5)
a)	CHEM 2B	Genl Chemistry	(5)	CHEM  CHEM  CHEM  CHEM  CHEM  CHEM  OR	4A 1A <u>&amp;</u> 1B	General Chemistry with Quantitative Analysis General Chemistry General Chemistry	(5) (5) (5)
				CHEM	4A <u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
				CHEM	4B	General Chemistry with Quantitative Analysis	(5)
a)	CHEM 2C	Genl Chemistry	(5)	CHEM :		General Chemistry	(5)
				CHEM		General Chemistry with Quantitative Analysis	(5)
	GIITIA OR	o ' d' 5 ' 6		l grant	0		·
a)	CHEM 8A	Organic Chem-Brief	(2)	CHEM	8	Introductory Organic Chemistry	(5)
a)	CHEM 8B	Organic Chem-Brief	(4)	CHEM	8	Introductory Organic Chemistry	(5)
		OR				OR	
a) a)	CHEM 118A CHEM 118B	Org Chem, Hlth & Sci Org Chem, Hlth & Sci	(4)	CHEM    CHEM    CHEM	12A 12A <u>&amp;</u> 12B	Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5)
a)				ENGR	6	Programming in MATLAB	
a)			(4)	ENGR	16	for Engineers Electric Circuits & Devices	(4)
a)	BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2	.1	Fundamentals of Biology (Cell and Molecular)	
a)			(4)	ENGL		College Composition	
a)	ENGLISH 3		(4)	  ENGL   	1в	OR Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering

Undergraduate Office at (530)752-1979 if you have any questions.

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#### REQUIRED FOR GRADUATION:

a)	BIMEDEN	1	Intro Bi	omedical	Engr	(2)	NO	COMPARABLE	COURSE
a)	BIMEDEN	20	Fundame	ntals of		(4)	NO	COMPARABLE	COURSE
			Bioengi	neering					

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.

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END OF MAJOR

a) This articulation is approved for engineering majors.

====Biotechnology 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. 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/BChemistry 2A/B/CBiological 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.

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

# Education(GE) Note:

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

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

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

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

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

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

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

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

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2.1	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI	2В	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u>   	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
				BIO 2.3	Fundamentals of Biology (5) (Botany and Ecology)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>		BIO 2.2 <u>&amp;</u>   	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
				BIO 2.3	Fundamentals of Biology (5) (Botany and Ecology)
BIOTECH	1Y	Introduction to Biotechnology	(4)		ARTICULATED: College has not course(s) for articulation
CHEM 2A	Gei	nl Chemistry	(5)	CHEM 1A	General Chemistry (5)
				CHEM 4A	General Chemistry with (5) Quantitative Analysis
CHEM 2B	Gei	nl Chemistry	(5)	CHEM 1A &	General Chemistry (5)
				CHEM 1B OR	General Chemistry (5)
				CHEM 4A & 	General Chemistry with (5) Quantitative Analysis
				CHEM 4B	General Chemistry with (5) Quantitative Analysis
CHEM 2C	Gei	nl Chemistry	(5)	  CHEM 1B   <b>OR</b>	General Chemistry (5)
				<u>OR</u>  CHEM 4B 	General Chemistry with (5) Quantitative Analysis

CHEM 8A	Organic Chem-Brief	(2)	CHEM 8 Introductory Organic (5)   Chemistry
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8
	OR		OR
CHEM 118A	Org Chem, Hlth & Sci	(1)	CHEM 12A Organic Chemistry (5)
CHEM 118A	Org Chem, Hlth & Sci		•
CHEM 110B	org chem, Hith & Sti	(4)	
GUENA 110G	One of the Hilliam of the	( 1 )	CHEM 12B Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci <b>OR</b>	(4)	CHEM 12B Organic Chemistry (5)   OR
CHEM 128A	Organic Chemistry	(3)	CHEM 12A Organic Chemistry (5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & Organic Chemistry (5)
			CHEM 12B Organic Chemistry (5)
CHEM 128C	Organic Chemistry	(3)	CHEM 12B Organic Chemistry (5)
CHEM 129A	Organic Chem Lab		CHEM 12A Organic Chemistry (5)
CHEM 12JA			CHEM 12A Organic Chemistry (3)
MATH 16A	Short Calculus	(3)	MATH 1A   Calculus, First Course (5)
MATH 16B	Short Calculus		MATH 1B   Calculus, Second Course (5)
MAIN 10D		(3)	
	OR	( 4 )	OR
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not
		( 4 )	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		MATH 1A Calculus, First Course (5)
MATH 21B	Calculus	(4)	MATH 1B   Calculus, Second Course (5)
PHYSICS 7A	General Physics	(4)	PHYS 20 & General Physics (3)
			Lecture Part I
			PHYS 20L & General Physics Lab (1)
			Part I
			PHYS 21 & General Physics (3)
			Lecture Part II
			PHYS 21L General Physics Lab (1)
			Part II
PHYSICS 7B	General Physics	(4)	PHYS 20 & General Physics (3)
		( - /	Lecture Part I
			PHYS 20L & General Physics Lab (1)
			Part I
			PHYS 21 & General Physics (3)
			:
			Lecture Part II
			PHYS 21L General Physics Lab (1)
			Part II
			mplete an entire physics series at
			t to the entire UC Davis Physics 7A/B/C
			transfer without completing an entire
			physics courses upon arrival at UC
Davis, and	will need to meet with a U	C Da	vis advisor before continuing with
physics.			
	COURSEWORK FOR B	IOIN	FORMATICS OPTION:
ENG CS 20	C Sci/Discrete Math	(4)	MATH 4 Discrete Mathematics (4)
ENG CS 30	Programming&Prob Solving		!
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	. ,	Computer Programming
			OR
			CS 17.11 Java Programming (3)
			1

Computer Programming

OR

CS 17.11 Java Programming (3)

As of F18, Course Number = ENG CS 36A

RESTRICTED ELECTIVES FOR BIOINFORMATICS OPTION:

ENG CS 40 Sftwr/Obj-Orien:C++ (4) | CS 11 Data Structures and (4) Algorithms

As of F18, Course Number = ENG CS 36B

ENG CS 50 Machine Dependent Prog (4) | CS 12 Assembly Language (4)

ENG CS 60 Data Structures & Programming

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

As of F18, Course Number = ENG CS 36C

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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 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <a href="UC Transfer">UC Transfer</a>
<a href="Admission webpage">Admission webpage</a>. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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

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

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

BIOLSC	!I 2A		Intro Bio	ology:	Life on	(5)	BIO	2.1		Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSC	!I 2B				Ecology	(5)	  BIO   	2.2	<u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
							BIO	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSC	!I 2C		Intro Bio Biodivers of Life		the Tree	(5)	BIO	2.2	<u>&amp;</u>	-	(5)
							  BIO 	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2	A	Ger	nl Chemis	try		(5)	   CHEM   <b>0</b>			General Chemistry	(5)
							CHEM	_		General Chemistry with Quantitative Analysis	(5)
CHEM 2	В	Ger	nl Chemis	trv		(5)	CHEM	1 A	æ	_	(5)
CIILII Z	_	001	ii ciiciiii			(3)	CHEM		=	General Chemistry	(5)
							<u>0</u>			General Chemistry	(3)
							CHEM	4A	<u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
							CHEM	4B		General Chemistry with	(5)
							İ			Quantitative Analysis	
CHEM 2	C	Ger	nl Chemis	try		(5)	СНЕМ	1в		General Chemistry	(5)
							<u> </u>	R			
							CHEM	4B		General Chemistry with Quantitative Analysis	(5)
			·								
CHEM 8			ganic Che			, ,	CHEM 		(	Introductory Organic Chemistry	(5)
CHEM 8	В	Org	ganic Che	m-Brie	f	(4)	CHEM 	8		Introductory Organic Chemistry	(5)
			OR							OR	
CHEM 1	18A	(	Org Chem,	Hlth 8	& Sci	(4)	CHEM	12A	Ā	Organic Chemistry	(5)

CHEM 118B	Org Chem, Hlth & Sci		CHEM 12A & Organic Chemistry (5)   CHEM 12B Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B Organic Chemistry (5)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
MATH 17C		(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR		OR
MATH 21A		(4)	MATH 1A Calculus, First Course (5)
MATH 21B	Calculus	(4)	MATH 1A Calculus, First Course (5)  MATH 1B Calculus, Second Course (5)
PHYSICS 7A	General Physics	(4)	PHYS 20 & General Physics (3)   Lecture Part I
			PHYS 20L & General Physics Lab (1) Part I
			PHYS 21 & General Physics (3) Lecture Part II
			PHYS 21L General Physics Lab (1) Part II
PHYSICS 7B	General Physics	(4)	PHYS 20 & General Physics (3) Lecture Part I
			PHYS 20L & General Physics Lab (1) Part I
			PHYS 21 & General Physics (3) Lecture Part II
			PHYS 21L General Physics Lab (1) Part II
PHYSICS 7C	General Physics	(4)	PHYS 20 & General Physics (3) Lecture Part I
			PHYS 20L & General Physics Lab (1) Part I
			PHYS 21 & General Physics (3) Lecture Part II
			PHYS 21L General Physics Lab (1) Part II

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.

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#### RECOMMENDED:

MATH 21C Calculus (4) | MATH 1C Calculus, Third Course (4)

END OF MAJOR

#### ====Chemical Engineering B.S.====

## 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 <a href="transfer admission website">transfer admission website</a> 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.

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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 our website for details regarding UC Davis TAG.

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## 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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#### REQUIRED FOR ADMISSION:

a)	MATH	21A	Calculus	(4)   MATH	1A	Calculus,	First Course	(5)
a)	MATH	21B	Calculus	(4)   MATH	1B	Calculus,	Second Course	(5)
a)	MATH	21C	Calculus	(4)   MATH	1C	Calculus,	Third Course	(4)
a)	MATH	21D	Vector Analysis	(4)   MATH	1C	Calculus,	Third Course	(4)
a)	MATH	22A	Linear Algebra	(3)   MATH	5	Introduction	on to Linear	(3)

					Algebra	
a) MATH 22B	Differntl Equations	(3)	MATH   	2	Calculus, Fourth Course - Differential Equations	
a) PHYSICS 9A	Classical Physics	(5)	PHYS 	40	Classical Mechanics for Scientists and Engineers	(5)
a) PHYSICS 9B	Classical Physics	(5)	PHYS 	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a) PHYSICS 9C	Classical Physics	(5)	PHYS   	42	Electricity and Magnetism for Scientists and Engineers	(4)
a) CHEM 2A	Genl Chemistry	(5)	CHEM OF		General Chemistry	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM CHEM	1A <u>&amp;</u>	General Chemistry with Quantitative Analysis General Chemistry	(5)
			CHEM 	2	General Chemistry  General Chemistry with	(5)
			CHEM	_	Quantitative Analysis General Chemistry with	(5)
a) CHEM 2C	Genl Chemistry	(5)	  CHEM	1B	Quantitative Analysis General Chemistry	(5)
			<u>OF</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
a) CHEM 128A	Organic Chemistry	(3)	CHEM	12A	Organic Chemistry	(5)
a) CHEM 128B	Organic Chemistry	(3)	CHEM   CHEM	-		(5) (5)
a) CHEM 129A	Organic Chem Lab	(2)	CHEM		Organic Chemistry	(5)
ENG CHM 60 Er	ngineering Problem Solv OR	(4)			OR	
a) ENG CS 30	Programming&Prob Solving	(4)	CS 10     <b>OF</b>		Introduction to Computer Programming	(4)
	OR		CS 17	_	Java Programming OR	(3)
a) ENGIN 6	Engr Prob Solving	(4)	ENGR	6	Programming in MATLAB for Engineers	(3)
course in a	or admission. Students m a higher level language ring, physical sciences,	inter	nded f	or s	 tudents majoring	
ENGIN 17 Ci	rcuits I	(4)	   ENGR 	16	Electric Circuits & Devices	(4)
ENGIN 35 St	OR Catics	(4)	  ENGR 	34	OR Engineering Mechanics: Statics	(3)
	OR		l		OR	

a) ENGIN 45	Prop of Mats	(4)   ENGR 45	Properties of Material	s (4)
a) UWRITING 1	Expository Writing OR	(4)   ENGL 1A	College Composition OR	(4)
a) ENGLISH 3	Intro to Lit	(4) ENGL 1B	Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) BIOLSCI 2A Intro Biology:Life (5) BIO 2.1 Fundamentals of Biology (5) on Earth (Cell and Molecular)

#### REQUIRED FOR GRADUATION:

a) ENG CHM 51 Material Balances (4) NO COMPARABLE COURSE a) ENG CHM 80 Chem Engr Profession (1) NO COMPARABLE COURSE

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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.

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#### END OF MAJOR

a) This articulation is approved for engineering majors.

## ====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 <a href="https://doi.org/10.1001/journal-normal

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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#### Transfer Admission Guarantee (TAG) Note:

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

#### Education(GE) Note:

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

CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
			OR  CHEM 4A	General Chemistry with	(5)
G 0	a 1 al	( = )		Quantitative Analysis	<i>(</i> <b>-</b> <i>)</i>
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &		(5)
			CHEM 1B   <b>OR</b>	General Chemistry	(5)
			CHEM 4A &	General Chemistry with	(5)
			<u> </u>	Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	( - )
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEN ZC	delli ellemibery	(3)	OR	General Chemistry	(3)
			CHEM 4B	General Chemistry with	(5)
			CUEM 4D		(3)
	OR		 	Quantitative Analysis  OR	
CHEM 2AH	Honors Genl Chemistry	(5)	   NIO COTIDEE	ARTICULATED: College has	not
CHEM ZAH	Honors Genr Chemistry	(3)	!	course(s) for articulation	
CHEM ODII	Harris Garal Charristan	( - )		ARTICULATED: College has	
CHEM 2BH	Honors Genl Chemistry	(5)			
				course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)		ARTICULATED: College has	
			submitted	course(s) for articulation	on
PHISICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for	(5)
PHISICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for Scientists and	(5)
PHISICS 9A	Classical Physics	(5)	PHYS 40   	Scientists and	(5)
			 	Scientists and Engineers	
PHYSICS 9A PHYSICS 9B	Classical Physics Classical Physics		PHYS 40      PHYS 41	Scientists and Engineers Waves, Optics and	(5)
			 	Scientists and Engineers Waves, Optics and Thermodynamics for	
PHYSICS 9B	Classical Physics	(5)	    PHYS 41 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
		(5)	 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and	
PHYSICS 9B	Classical Physics	(5)	    PHYS 41 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for	(4)
PHYSICS 9B	Classical Physics	(5)	    PHYS 41 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and	(4)
PHYSICS 9B	Classical Physics	(5)	  PHYS 41    PHYS 42 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers	(4)
PHYSICS 9B	Classical Physics	(5)	    PHYS 41 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for	(4)
PHYSICS 9B	Classical Physics	(5)	  PHYS 41    PHYS 42 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers	(4)
PHYSICS 9B	Classical Physics	(5)	  PHYS 41    PHYS 42 	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for	(4)
PHYSICS 9B  PHYSICS 9C  PHYSICS 9D	Classical Physics Classical Physics Modern Physics	(5) (5) (4)	  PHYS 41  PHYS 42    PHYS 43	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers	(4)
PHYSICS 9B PHYSICS 9C PHYSICS 9D MATH 21A	Classical Physics  Classical Physics  Modern Physics  Calculus	(5) (5) (4)	PHYS 41	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers Calculus, First Course	(4) (4) (3)
PHYSICS 9B  PHYSICS 9C  PHYSICS 9D  MATH 21A MATH 21B	Classical Physics  Classical Physics  Modern Physics  Calculus Calculus	(5) (5) (4) (4) (4)	PHYS 41	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers Calculus, First Course Calculus, Second Course	(4) (4) (3) (5) (5)
PHYSICS 9B  PHYSICS 9C  PHYSICS 9D  MATH 21A  MATH 21B  MATH 21C	Classical Physics  Classical Physics  Modern Physics  Calculus Calculus Calculus	(5) (5) (4) (4) (4) (4)	PHYS 41	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers  Calculus, First Course Calculus, Third Course	(4) (4) (3) (5) (5) (4)
PHYSICS 9B  PHYSICS 9C  PHYSICS 9D  MATH 21A MATH 21B	Classical Physics  Classical Physics  Modern Physics  Calculus Calculus Calculus Vector Analysis	(5) (5) (4) (4) (4) (4)	PHYS 41	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers  Calculus, First Course Calculus, Third Course Calculus, Third Course	(4) (4) (3) (5) (5)
PHYSICS 9B  PHYSICS 9C  PHYSICS 9D  MATH 21A  MATH 21B  MATH 21C	Classical Physics  Classical Physics  Modern Physics  Calculus Calculus Calculus	(5) (5) (4) (4) (4) (4) (4)	PHYS 41	Scientists and Engineers Waves, Optics and Thermodynamics for Scientists & Engineers Electricity and Magnetism for Scientists and Engineers Modern Physics for Scientists and Engineers  Calculus, First Course Calculus, Third Course	(4) (4) (3) (5) (5) (4)

MATH 22AL	Lin Alg Comp Lab				ARTICULATED: College has not course(s) for articulation
MATH 22B	Differntl Equations	!	MATH		Calculus, Fourth Course (3) - Differential Equations
CHEM 128A CHEM 128B	Organic Chemistry Organic Chemistry	(3)		12A 8	
CHEM 129A	Organic Chem Lab		CHEM CHEM		Organic Chemistry (5) Organic Chemistry (5)

END OF MAJOR

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

#### Special Advising Note:

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

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

#### Transfer Admission Guarantee (TAG) Note:

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

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18 General Catalog . Quick reference charts for AP and IB are also

CHEM 2A	Genl Chemistry	(5)	CHEM			General Chemistry (	(5)
			OR				<i>(</i>
			CHEM	4A			(5)
CHEN OF	G 1 G1 ' '	<b>/ -</b> \		1 7 4		Quantitative Analysis	<i>(</i> <b>-</b> \
CHEM 2B	Genl Chemistry	(5)	CHEM	-	_		(5)
			CHEM	<u> </u>			(5)
			CHEM	4A 8	<u>Se</u> (	General Chemistry with (	(5)
						Quantitative Analysis	
			CHEM	4B			(5)
					(	Quantitative Analysis	
CHEM 2C	Genl Chemistry	(5)	CHEM OR		(	General Chemistry (	(5)
			CHEM	4B	(	General Chemistry with (	(5)
			İ		(	Quantitative Analysis	
	OR		İ			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO CC	URSI	E A	RTICULATED: College has r	not
			submi	tte	d c	ourse(s) for articulation	ı
CHEM 2BH	Honors Genl Chemistry	(5)	NO CC	URSI	E A	RTICULATED: College has r	not
	_					ourse(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)				RTICULATED: College has r	
	-					ourse(s) for articulation	
			' 				
PHYSICS 7A	General Physics	(4)	PHYS	20	&	General Physics (	(3)
			İ			Lecture Part I	
			PHYS	20L	&		(1)
			İ			Part I	
			PHYS	21	&	General Physics (	(3)
			İ			Lecture Part II	
			PHYS	21L		General Physics Lab	(1)
			İ			Part II	
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General Physics (	(3)
			İ			Lecture Part I	
			PHYS	20L	&	General Physics Lab	(1)
			İ			Part I	
			PHYS	21	&	General Physics (	(3)
			į		_	Lecture Part II	-
			PHYS	21L			(1)
						Part II	,
PHYSICS 7C	General Physics	(4)	PHYS	20	&		(3)
·- ·-	4	` '		-	_	Lecture Part I	,
			PHYS	20L	&		(1)
					_	Part I	. – ,
			PHYS	21	&		(3)
					=	Lecture Part II	/
			PHYS	21т.			(1)
						Part II	· - /
THE SEC. 16 Section 1	l		l 			tion of book on the second	

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

		OR					OR	
PHYSICS	9A	Classical	Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS	9B	Classical	Physics	(5)	PHYS   	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS	9C	Classical	Physics	(5)	PHYS	42	Electricity and	(4)

					   		Magnetism for Scientists and Engineers
	165						
MATH		Short Cal			HTAM		Calculus, First Course (5)
MATH		Short Cal			MATH		
MATH	16C	Short Cal		(3)	MATH	1B	
		OI	-		ļ		OR
MATH	17A	Calculus	for BioSci	(4)	NO CO	DURSE	E ARTICULATED: College has not
					submi	itted	d course(s) for articulation
MATH	17B	Calculus	for Biosci	(4)	NO CO	DURSE	E ARTICULATED: College has not
					submi	itted	d course(s) for articulation
MATH	17C	Calculus	for BioSci	(4)	NO CO	OURSE	E ARTICULATED: College has not
					submi	itted	d course(s) for articulation
		OI	ર		İ		OR
MATH	21A	Calculus		(4)	MATH	1A	Calculus, First Course (5)
MATH	21B	Calculus		(4)	MATH	1B	Calculus, Second Course (5)
MATH	21C	Calculus		(4)	MATH	1C	Calculus, Third Course (4)
	1007		Ch am i at	(2)		107	
	128A		Chemistry	٠,	CHEM		· · ·
CHEM	128B	Organic	Chemistry	(3)	CHEM		
					CHEM		
_	128C		Chemistry		CHEM		<del>-</del>
-	129A	_	Chem Lab	. ,	CHEM		1 , ,
CHEM	129B	Organic	Chem Lab	(2)	CHEM		
					CHEM		Organic Chemistry (5)

#### END OF MAJOR

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

#### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal-normal

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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# Transfer Admission Guarantee (TAG) Note:

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

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

avallable i	ITOM OUT TAG WEDSITE.				
CHEM 2A	Genl Chemistry	(5)	  CHEM 1A   <b>OR</b>	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &		(5)
	-	` '	CHEM 1B	General Chemistry	(5)
			OR	deficial elicimistry	( ) /
			· —	Company Chamistan with	<b>/</b> F \
			CHEM 4A &	<del>-</del>	(5)
			ļ	Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
011211 20		(3)	OR		(0)
			CHEM 4B	Company Chamistan with	<b>/</b> F \
			CHEM 4B	_	(5)
			ļ	Quantitative Analysis	
	OR			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has	not
			submitted	course(s) for articulation	on
CHEM 2BH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has	not
		(-,		course(s) for articulation	
CHEM JOH	Honors Genl Chemistry	<b>( E )</b>		ARTICULATED: College has	
CHEM 2CH	Honors Genr Chemistry	(5)			
			submitted	course(s) for articulation	on
	Classical Phasins			Classical Markerian for	
PHISICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for	(5)
			ļ	Scientists and	
				Engineers	
PHYSICS 9B	Classical Physics	(5)	PHYS 41	Waves, Optics and	(4)
			İ	Thermodynamics for	
			İ	Scientists & Engineers	
PHYSICS 9C	Classical Physics	(5)	PHYS 42		(4)
PHIBICS 9C	Classical Physics	(3)	FILLS 42	<del>-</del>	( + )
				Magnetism for	
				Scientists and	
				Engineers	
MATH 21A	Calculus		MATH 1A	Calculus, First Course	(5)
MATH 21B	Calculus	(4)	MATH 1B	Calculus, Second Course	(5)
MATH 21C	Calculus	(4)	MATH 1C	Calculus, Third Course	(4)
MATH 21D	Vector Analysis	(4)	MATH 1C	Calculus, Third Course	(4)
MATH 22A	Linear Algebra		MATH 5	Introduction to Linear	(3)
22	Linear migezia	(3)		Algebra	(3)
MACOTT OOAT	Tin Ala Cama Tab	/1\	  NO GOLLDGE		
MATH 22AL	Lin Alg Comp Lab	( 1 )		ARTICULATED: College has	
			Į.	course(s)for articulation	
MATH 22B	Differntl Equations	(3)	MATH 2	Calculus, Fourth Course	(3)
				- Differential Equations	
CHEM 128A	Organic Chemistry	(3)	CHEM 12A	Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A 8	Organic Chemistry	(5)
	<del>-</del>		CHEM 12B	Organic Chemistry	(5)
CHEM 128C	Organic Chemistry	131	CHEM 12B		(5)
CHEM 129A	Organic Chem Lab		CHEM 12B		(5)
	5		!		
CHEM 129B	Organic Chem Lab	( ∠ )	CHEM 12A &		(5)
			CHEM 12B	Organic Chemistry	(5)

CHEM 129C Organic Chem Lab (2) CHEM 12	2B Organic Chemistry (5)
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#### **RECOMMENDED COURSES:**

PHYSICS 9D Modern Physics (4) PHYS 43 Modern Physics   Scientist   Engineers		(3)
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#### END OF MAJOR

# ====Chemistry B.S. (Applied Chemistry: Environmental Chemistry)==== Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal.com/highly/recommended">highly recommended</a> 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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## Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

CHEM 2A	Genl Chemistry	(5)	CHEM	1A		General Chemistry	(5)
			OF	?			
			CHEM	4A		General Chemistry with	(5)
						Quantitative Analysis	
CHEM 2B	Genl Chemistry	(5)	CHEM	1A	<u>&amp;</u>	General Chemistry	(5)
			CHEM	1B		General Chemistry	(5)
			OF	2			

			CHEM	4A 8		General (			(5)
			   CHEM	4B		Quantitat General (		_	(5)
				12		Quantitat	_		(3)
CHEM 2C	Genl Chemistry	(5)	CHEM	1в		General (			(5)
	<b>1</b>	( - )	OF				<u>-</u>		( - )
			CHEM	4B		General (	Chemistry	with	(5)
			İ			Quantitat	tive Anal	ysis	
	OR					OI	г.		
CHEM 2AH	Honors Genl Chemistry	(5)	NO CO	DURSI	ΞA	RTICULATI	ED: Colle	ge has	not
						ourse(s)			
CHEM 2BH	Honors Genl Chemistry	(5)				RTICULATI			
						ourse(s)			
CHEM 2CH	Honors Genl Chemistry	(5)				RTICULATI			
			submi	itte	d c	ourse(s)	for arti	culatic	n
DUVETCE 7A	General Physics	(1)	   PHYS	20		General	Dhirai aa		(3)
PHISICS /A	General Physics	(+)	l L	20	<u>«</u>	Lecture			(3)
			   puve	201	c.	General		Tah	(1)
			FILLS	2011	<u>«</u>	Part I	PHYSICS	цар	( _ /
			  PHYS	21	£	General	Physics		(3)
				21	<u>~</u>		Part II		(3)
			  PHYS	21T.			Physics	Lab	(1)
						Part II		2012	( - )
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General	Physics		(3)
	-	. ,			_	Lecture			. ,
			PHYS	20L	&	General	Physics	Lab	(1)
					_	Part I			
			PHYS	21	&	General	Physics		(3)
						Lecture	Part II		
			PHYS	21L		General	Physics	Lab	(1)
						Part II			
PHYSICS 7C	General Physics	(4)	PHYS	20	&	General	Physics		(3)
						Lecture			
			PHYS	20L	<u>&amp;</u>		Physics	Lab	(1)
						Part I			
			PHYS	21	&		Physics		(3)
							Part II	_	
			PHYS	21L			Physics	Lab	(1)
						Part II			

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.

physics.				
	OR			OR
PHYSICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for (5) Scientists and Engineers
PHYSICS 9B	Classical Physics	(5)	PHYS 41   	Waves, Optics and (4) Thermodynamics for Scientists & Engineers
PHYSICS 9C	Classical Physics	(5)	PHYS 42     	Electricity and (4) Magnetism for Scientists and Engineers
MATH 16A	Short Calculus	(3)	MATH 1A	Calculus, First Course (5)
MATH 16B	Short Calculus	(3)	MATH 1B	Calculus, Second Course (5)
MATH 16C	Short Calculus	(3)	MATH 1B	Calculus, Second Course (5)
	OR		İ	OR
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not

MATH 17B	Calculus for Biosci Calculus for BioSci OR		NO COURSE submitted NO COURSE	course(s) for articulation ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation OR
MATH 21A MATH 21B MATH 21C	Calculus Calculus	(4)	MATH 1A MATH 1B MATH 1C	Calculus, First Course (5) Calculus, Second Course (5)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (5) (Cell and Molecular)
	Elementary Statistics STATIST 13Y OR	(4)	  MATH 15 	Elementary Statistics (4)
	Stat Anlys Thru Comp title = Gateway to Data Sc			ABLE COURSE
CHEM 118A CHEM 118B CHEM 118C	Org Chem, Hlth & Sci Org Chem, Hlth & Sci Org Chem, Hlth & Sci	(4)	CHEM 12A   CHEM 12A 8   CHEM 12B   CHEM 12B	Organic Chemistry (5)
CHEM 128A CHEM 128B	OR Organic Chemistry Organic Chemistry	/	  CHEM 12A  CHEM 12A <u>&amp;</u>  CHEM 12B	Organic Chemistry (5) Organic Chemistry (5)
CHEM 129A CHEM 129B	Organic Chemistry Organic Chem Lab Organic Chem Lab	(2)	CHEM 12B  CHEM 12A  CHEM 12A <u>8</u>  CHEM 12B	Organic Chemistry (5) Organic Chemistry (5)

#### END OF MAJOR

# ====Chemistry B.S. (Applied Chemistry: Forensic Chemistry)==== Special Advising Note:

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

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

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

Education(GE) Note:

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

CHEM 2A	Genl Chemistry	(5)	   CHEM   <b>OF</b>			General Chem	istry	(5)
			<u>                                   </u>	_		General Chem	iatru wi	th (5)
				TA		Quantitative		
CHEM 2B	Genl Chemistry	(5)	CHEM	17\		General Chem		(5)
CHEM ZB	Geni Chemistry	(3)	CHEM	_				
			OF	<u> </u>		General Chem		(5)
			CHEM	4A 8	_	General Chem		
						Quantitative		
			CHEM	4B		General Chem		
						Quantitative		
CHEM 2C	Genl Chemistry	(5)	CHEM OF		•	General Chem	istry	(5)
			CHEM	4B		General Chem	istry wi	th (5)
			İ			Quantitative	Analysi	.s
	OR		İ			OR	_	
CHEM 2AH	Honors Genl Chemistry	(5)	NO CO	OURSE	2 A	RTICULATED: (	College	has not
	-					ourse(s) for		
CHEM 2BH	Honors Genl Chemistry	(5)	!			RTICULATED: (		
		( - )				ourse(s) for	_	
CHEM 2CH	Honors Genl Chemistry	(5)				RTICULATED: (		
	nonors denr enemisery	(3)				ourse(s) for		
PHYSICS 7A	General Physics	(4)	PHYS	20	æ	General Phys	sics	(3)
11110100 /11	Concrat injures	( - /		20	=	Lecture Par		(3)
			I DHYS	20T.	æ	General Phys		(1)
				201	<u>~</u>	Part I	JICD Lax	( ± )
			PHYS	21	&	General Phys	sics	(3)
			İ		_	Lecture Par		
			PHYS	21L		General Phys	sics Lak	(1)
						Part II		, ,
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General Phys	sics	(3)
			İ			Lecture Par	tΙ	
			PHYS	20L	<u>&amp;</u>	General Phys	sics Lak	(1)
						Part I		
			PHYS	21	&	General Phys	sics	(3)
					_	Lecture Par	t II	
			PHYS	21L		General Phys	sics Lak	(1)
						Part II		
PHYSICS 7C	General Physics	(4)	PHYS	20	&	General Phys		(3)
	-	•	İ			Lecture Par		
			PHYS	20L	&	General Phys		(1)
					_	Part I	2-1-2	, ,
			PHYS	21	&	General Phys	sics	(3)
				-	=	Lecture Par		(-)
			PHYS	21T.		General Phys		(1)
						Part II		( - /
			ı					

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physics.	OR		OR
PHYSICS 9A	_	(5)	PHYS 40 Classical Mechanics for (5)   Scientists and   Engineers
PHYSICS 9B	Classical Physics	(5)	PHYS 41 Waves, Optics and (4)   Thermodynamics for   Scientists & Engineers
PHYSICS 9C	Classical Physics	(5)	PHYS 42 Electricity and (4)   Magnetism for   Scientists and   Engineers
MATH 16A	Short Calculus	(3)	MATH 1A   Calculus, First Course (5)
MATH 16B	Short Calculus		MATH 1B   Calculus, Second Course (5)
MATH 16C	Short Calculus		MATH 1B Calculus, Second Course (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
MARII 170	Galandar fan Diagai	( 1 )	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 1A Calculus, First Course (5)   MATH 1B Calculus, Second Course (5)   MATH 1C Calculus, Third Course (4)
MATH 21B	Calculus	(4)	MATH 1B   Calculus, Second Course (5)
MATH 21C	Calculus	(4)	MATH 1C
BIOLSCI 2A	Intro Biology:Life on	(5)	BIO 2.1 Fundamentals of Biology (5)
	Earth		(Cell and Molecular)
ENV TOX 20	Introduction to	(3)	NO COURSE ARTICULATED: College has not
1111 1021 20	Forensic Science	(3)	submitted course(s) for articulation
STATIST 13	Elementary Statistics	(4)	MATH 15 Elementary Statistics (4)
Same as:	STATIST 13Y		
CTNTTCT 20	OR Stat Anlag Thru Comp	(1)	OR
STATIST 32 Stat Anlys Thru Comp $(4)$ NO COMPARABLE COURSE As of F18, title = Gateway to Data Science			
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A Organic Chemistry (5)
CHEM 118B	Org Chem, Hlth & Sci		CHEM 12A & Organic Chemistry (5)
		, ,	CHEM 12B   Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 12B Organic Chemistry (5)
	OR		OR
CHEM 128A	Organic Chemistry	(3)	CHEM 12A Organic Chemistry (5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A & Organic Chemistry (5)
			CHEM 12B Organic Chemistry (5)
CHEM 128C	Organic Chemistry		CHEM 12B Organic Chemistry (5)
CHEM 129A	Organic Chem Lab		CHEM 12A Organic Chemistry (5)
CHEM 129B	Organic Chem Lab	(2)	CHEM 12A & Organic Chemistry (5)
			CHEM 12B Organic Chemistry (5)

# END OF MAJOR

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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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### College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

CHICANO 10	Intro to Chic Std	(4)	HIST 26 	History of Chicanos and (3) Latinos from 1848 to
CHICANO 50	Chicano Culture	(4)	  ENGL 33 	Present ChicanoChicana Arts & (3) Literature
CHICANO 21	Hlth Care Issues OR	(4)	NO COMPARA	ABLE COURSE OR
CHICANO 40	Comparative Health	(4)		ARTICULATED: College has not course(s) for articulation

### ONE COURSE FROM THE FOLLOWING:

CHICANO 65	New Latin American Cinema	(4) NO COURSE ARTICULATED: College has submitted course(s) for articulation	
CHICANO 70	Survey Chic Art	(4) NO COMPARABLE COURSE	
CHICANO 73	Art Expr Silk Scr	(4) NO COMPARABLE COURSE	
SPANISH 1	Elementary Spanish	(5) SPAN 1 Elementary Spanish -	(4)
		Part 1	
SPANISH 2	Elementary Spanish	(5) SPAN 1 <u>&amp;</u> Elementary Spanish -	(4)
		Part 1	
		SPAN 2 Elementary Spanish -	(4)
		Part 2	
SPANISH 3	Elementary Spanish	(5) SPAN 2 Elementary Spanish -	(4)
		Part 2	
	OR	OR	
SPANISH 28	Inter Conversation	(2) NO COURSE ARTICULATED: College has	not
		submitted course(s)for articulation	ı
SPANISH 31	Int Span Nat Spk I	(5) NO COMPARABLE COURSE	
SPANISH 32	Int Span Nat Spk II	(5) NO COMPARABLE COURSE	
END OF MAJO	R	·	

# ====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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

available f	alog . Quick reference commour TAG website.	rts for <u>AP</u> and <u>IB</u> are also	
		(4) HIST 26 History of Chican Latinos from 1848	os and (3)
	Chicano Culture	(4) ENGL 33 ChicanoChicana Ar Literature	
		(4) NO COMPARABLE COURSE OR	
CHICANO 40	Comparative Health	(4) NO COURSE ARTICULATED: College submitted course(s) for articles	culation
	ONE COURSE	OM THE FOLLOWING:	
CHICANO 60	Chicana and Chicano Representn in Cinema	(4) NO COMPARABLE COURSE	
CHICANO 65	Cinema	(4) NO COURSE ARTICULATED: College submitted course(s) for articles	
CHICANO 70 CHICANO 73	Survey Chic Art Art Expr Silk Scr	(4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE	
		OM THE FOLLOWING:	
CHICANO 23	Qualitative Research Methods	(4)   NO COURSE ARTICULATED: College   submitted course(s) for articular   submitted course(s)   for articular   submitted   s	
PSYCH 41	Research Methods	(4) PSYCH 1B Introduction to Psychological Re Methods	(3)
SOCIOL 46A	Intro Social Rsch	(4) NO COMPARABLE COURSE	
		(5) SPAN 1 Elementary Spanish Part 1	
SPANISH 2	Elementary Spanish	(5) SPAN 1 & Elementary Spanish Part 1	
		SPAN 2 Elementary Spanish   Part 2	- (4)

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

Elementary Spanish - (4)

OR

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

Part 2

(5) NO COMPARABLE COURSE

(5) NO COMPARABLE COURSE

### Special Advising Note:

SPANISH 31 SPANISH 32

END OF MAJOR

SPANISH 3 Elementary Spanish (5) | SPAN 2

Int Span Nat Spk I Int Span Nat Spk II

OR

SPANISH 28 Inter Conversation

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Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to

fall enrollment. In order to receive priority consideration it 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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### 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.

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### College Foreign Language Requirement Note:

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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
x) CHINESE 6 Inter Chinese (5) NO COMPARABLE COURSE
x) CHINESE 1BL Accl Wrth Chinese I (5) NO COMPARABLE COURSE
x) CHINESE 2BL Accl Wrth Chinese (5) NO COMPARABLE COURSE
x) CHINESE 3BL Accl Wrth Chinese (5) NO COMPARABLE COURSE
III
x) CHINESE 3BL Accl Wrth Chinese (5) NO COMPARABLE COURSE
III
OR

x) CHINESE 2 x) CHINESE 3	<del>-</del>		NO COMPARABLE COURSE
	RECOMMENDED CO	URSES	FOR THIS MAJOR:
CHINESE 10	Modern Lit (in Engl) Gt Bks China (Engl)		!
CHINESE 50	Intro to Literature	, ,	NO COMPARABLE COURSE
	JPNESE 50	(2)	
COMPLIT 14	Intro Poetry	(3)	NO COMPARABLE COURSE
JPNESE 10	Masterworks in English	(4)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
LINGUIS 1	Intro Linguistics	(4)	ENGL 25 Introduction to (3)   Language Study

x) CHINESE 1CN Mand/Cant Spkrs I (5) NO COMPARABLE COURSE

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

END OF MAJOR

 ${\bf x})$  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.

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### Transfer Admission Guarantee (TAG) Note:

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

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Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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

### Select two of the following courses:

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

### Select two of the following courses:

FILM ST 1	Intro to Film Studies	(4)	MEDIA 10	Film Appre	ciation		(4)
Forme	cly Humanities 10						
TCULST 1	Intro Technocultural	(4)	NO COURSE	ARTICULATED:	College	has	not
	Studies		submitted	course(s) for	r articu	latio	on
TCULST 5	Media Archaeology	(4)	NO COURSE	ARTICULATED:	College	has	not
			submitted	course(s) for	r articul	latio	on

### END OF MAJOR

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

#### 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.

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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 our website for details regarding  $\underline{\text{UC Davis TAG}}$ .

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### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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### REQUIRED FOR ADMISSION:

a)	MATH	21A	Calculus	(4)   MATH	1A	Calculus, First Course (	(5)
a)	MATH	21B	Calculus	(4)   MATH	1B	Calculus, Second Course (	(5)
a)	MATH	21C	Calculus	(4)   MATH	1C	Calculus, Third Course (	(4)
a)	MATH	21D	Vector Analysis	(4)   MATH	1C	Calculus, Third Course (	(4)
a)	MATH	22A	Linear Algebra	(3)   MATH 	5	Introduction to Linear (Algebra	(3)
a)	MATH	22B	Differntl Equations	(3)   MATH	2	Calculus, Fourth Course ( - Differential Equations	(3)

					Scientists and Engineers	
a) PHYSICS 9B	Classical Physics	(5)	PHYS   	3 41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a) PHYSICS 9C	Classical Physics	(5)	PHYS     	3 42	Electricity and Magnetism for Scientists and Engineers	(4)
a) CHEM 2A	Genl Chemistry	(5)	CHEM	I 1A D <b>R</b>	General Chemistry	(5)
			CHEM		General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM	1 1A <u>&amp;</u>	General Chemistry	(5)
			CHEM	1 1B <b>)R</b>	General Chemistry	(5)
			CHEM	4A <u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
			CHEM	I 4B	General Chemistry with Quantitative Analysis	(5)
a) ENGIN 6	Engr Prob Solving	(4)	   ENGR 	6	Programming in MATLAB for Engineers	(3)
a) EMG GG 30	OR	(1)		0	OR	(1)
a) ENG CS 30	Programming&Prob Solving	( <del>4</del> )	CS 1		Introduction to Computer Programming	(4)
			! ~	<u>R</u> 7.11	Java Programming	(3)
					·	( - /

Required for admission. Students must complete <u>one</u> programming course in a higher level language intended for students majoring in engineering, physical sciences, or mathematics.

a) ENGIN 35	Statics	(4)	ENGR 	34	Engineering Mechanics: Statics	(3)
a) UWRITING 1	Expository Writing OR	(4)	ENGL 	1A	College Composition OR	(4)
a) ENGLISH 3	Intro to Lit	(4)	ENGL	1B	Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) COMUNCN 1	Intro Public Spkg	(4)	   SPCH 	1A	Introduction to Public Speaking	(3)
a) COMUNCN 3	OR Intprsnl Com Cmpetnce	(4)	   COMM 	6	OR Interpersonal Communication	(3)

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

a) This articulation is approved for engineering majors.

====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.

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### Transfer Admission Guarantee (TAG) Note:

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Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General
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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your UC Davis College Dean's Office or the Biology Academic Success Center for more information.

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LATIN 2	Elementary Latin	(5)	NO COURSE ARTICULATED: College has not
LATIN 3	Intermediate Latin	(5)	submitted course(s)for articulation  NO COURSE ARTICULATED: College has not  submitted course(s)for articulation
	OR		OR
Срргк 1	Elem Greek	(5)	NO COMPARABLE COURSE
	Elem Greek		NO COMPARABLE COURSE
	Intermediate Greek		NO COMPARABLE COURSE
	TWO COURSES F	ROM	THE FOLLOWING:
CLASSIC 1	N East/Early Gr	(4)	NO COMPARABLE COURSE
CLASSIC 2	Anc Gr & Near East	(4)	NO COMPARABLE COURSE
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE
	ONE ADDITIONAL CO	URSE	SELECTED FROM:
ΔΡΎΗΤ 1Δ	Ancient Mediterranean Art	(4)	ART 2.1 History & Aesthetic (3)
AKIIII IA	Allerene Mediterianean Art	( 1 )	Appreciation of
			Prehistoric - Gothic
			Art
CLASSIC 1	N East/Early Gr	(4)	
CLASSIC 2	Anc Gr & Near East		
CLASSIC 2	Rome & The Mediter		
CLASSIC 4	Late Antiquity		NO COURSE ARTICULATED: College has not
CHADDIC 4	nace Antiquity	( = )	submitted course(s)for articulation
CLASSIC 10	Gr,Roman,N East Myth	(3)	NO COMPARABLE COURSE
CLASSIC 15	Women & Gender in		NO COMPARABLE COURSE
CHADDIC IJ	Classical Antiquity	( 1 )	COMPARABLE COORSE
CLASSIC 20		(4)	NO COMPARABLE COURSE
CLASSIC 25	<del>-</del>		NO COURSE ARTICULATED: College has not
C1110010 13	Clabbidai imclica	( - /	submitted course(s)for articulation
CLASSIC 30	Word Roots	(3)	NO COURSE ARTICULATED: College has not
C1110010 30	Mora Roots	(3)	submitted course(s)for articulation
CLASSIC 31	Technical Word Roots	(3)	NO COURSE ARTICULATED: College has not
		( - /	submitted course(s)for articulation
CLASSIC 50	Ancient Science	(4)	NO COMPARABLE COURSE
	: SCI&TEC 50	. ,	
COMPLIT 1	Major Books-Ancient	(4)	NO COURSE ARTICULATED: College has not
	World	. ,	submitted course(s) for articulation
PHILOS 21	Phil: Ancient	(4)	PHIL 20 History of Western (3)
			Philosophy: Ancient and
			Medieval
As of F17,	title = Phil Classics: Anc	ient	•
REL STD 21	Hebrew Scriptures		RELS 21 The Hebrew Bible (3)
As of F18,	title = The Bible		•
REL STD 40	New Testament	(4)	RELS 22 Early Christian (3)
			Literature
			· 

## END OF MAJOR

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

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### College Foreign Language Requirement Note:

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  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 COMPARABLE COURSE
GREEK 2	Elem Greek	(5)	NO COMPARABLE COURSE
GREEK 3	Intermediate Greek	(5)	NO COMPARABLE COURSE
CLASSIC 1	N East/Early Gr <b>OR</b>	(4)	NO COMPARABLE COURSE OR
CLASSIC 2	Anc Gr & Near East OR	(4)	NO COMPARABLE COURSE OR
CLASSIC 3	Rome & The Mediter	(4)	NO COMPARABLE COURSE

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  $\frac{\text{highly recommended}}{\text{series}}$  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 <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

avariable	IIOM OUI IAG WEDDICE.				
ENGLISH 3	Intro to Lit	(4)	  ENGL 1B 	Literature and Composition	(3)
UWRITING 1	<b>OR</b> Expository Writing	(4)	  ENGL 1A		(4)
COMUNCN 1	Intro Public Spkg	(4)	SPCH 1A 	Introduction to Public Speaking	(3)
BIOLSCI 2A	Earth		j	(Cell and Molecular)	
			BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	  CHEM 1A   <b>OR</b>	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A    CHEM 1B   OR	General Chemistry General Chemistry	(5) (5)
			<u>OR</u>  CHEM 4A      CHEM 4B	General Chemistry with Quantitative Analysis General Chemistry with	(5) (5)
CHEM 2C	Genl Chemistry	(5)	CHEM 4B   CHEM 1B   OR	Quantitative Analysis General Chemistry	(5)
			CHEM 4B	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 8	Introductory Organic Chemistry	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8 	Introductory Organic Chemistry	(5)
ECON 1A	Princ of Microecon	(4)	ECON 2 	Principles of Microeconomics	(3)
ECON 1B	OR Princ of Macroecon	(4)	  ECON 1 	OR Principles of Macroeconomics	(3)
PSYCH 1	General Psychology	(4)	PSYCH 1A	General Psychology	(3)
SOCIOL 1	Intro Sociology OR	(5)	SOC 1	Introduction to Sociology OR	(3)
SOCIOL 3	Social Problems OR	(4)	SOC 2	•	(3)
ANTHRO 2	Cultural Anthropology	(4)	ANTHRO 2	Cultural Anthropology	(3)

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STATIST 13 Elementary Statistics (4) MATH 15 Elementary Statistics (4) Same as: STATIST 13Y

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### 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

LINGUIS 1 Intro Linguistics (4) ENGL 25 Introduction to (3)

Language Study

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

PHILOS 12	Intro to Symbol Logic	(4)	PHIL 4 	Introduction to Symbolic Logic	(3)
PHILOS 13G	Minds, Brains Comp w/Disc	(4)		ARTICULATED: College has n course(s) for articulation	
	eneral Psychology Research Methods	(4) (4)	PSYCH 1A  PSYCH 1B 	General Psychology Introduction to Psychological Research Methods	(3)
STATIST 13 Same as:	Elementary Statistics STATIST 13Y	(4)	MATH 15 	Elementary Statistics	(4)

END OF MAJOR

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

### Special Advising Note:

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

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

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### Transfer Admission Guarantee (TAG) Note:

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Education(GE) Note:

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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	Emphasis 1:	Coi	nputational	<u>_</u>	
ENG CS 20	C Sci/Discrete Math	(4)	MATH 4	Discrete Mathematics	(4)
ENG CS 30	Programming&Prob Solving	(4)	CS 10	Introduction to	(4)
				Computer Programming	
			i on		

			CS 17.11	Java Programming (3)
As of FI ENG CS 40	<pre>8, Course Number = ENG CS     Sftwr/Obj-Orien:C++</pre>		!	Data Structures and (4) Algorithms
As of F1	8, Course Number = ENG CS	36B	1	AIGOIICIMIS
ENG CS 50	Machine Dependent Prog			Assembly Language (4) Programming
ENG CS 60	Data Structures & Programming	(4)	NO COURSE	ARTICULATED: College has not course(s) for articulation
As of F1	8, Course Number = ENG CS	36C	· 	
LINGUIS 1	Intro Linguistics	(4)	ENGL 25 	Introduction to (3) Language Study
MATH 17A	Calculus for BioSci	(4)		ARTICULATED: College has not course(s) for articulation
MATH 17B	Calculus for Biosci OR	(4)	NO COURSE	ARTICULATED: College has not course(s) for articulation  OR
MATH 21A	Calculus	(4)	ן   אארט אר אר א	Calculus, First Course (5)
MATH 21B	Calculus			Calculus, Second Course (5)
MATH 22A	Linear Algebra	(3)	MATH 5 	Introduction to Linear (3) Algebra
MATH 22AL	Lin Alg Comp Lab	(1)		ARTICULATED: College has not course(s)for articulation
PHILOS 10	Intro Cognitive Science	(4)		ARTICULATED: College has not course(s) for articulation
PHILOS 12	Intro to Symbol Logic	(4)		Introduction to Symbolic (3) Logic
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	!	ARTICULATED:College has not course(s)for articulation
	General Psychology Research Methods		PSYCH 1A  PSYCH 1B 	General Psychology (3) Introduction to (3) Psychological Research Methods
Same as:	Elementary Statistics STATIST 13Y	(4)	MATH 15 	Elementary Statistics (4)
	Emphasi	s 2:	Neuroscie	nce
BIOLSCI 2A				Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI 2B		(5)	BIO 2.2 &	
			BIO 2.3	~ <del>-</del>
BIOLSCI 2C	Biodiversity & the Tree		BIO 2.2 &	Fundamentals of Biology (5) (Evolution, Genetics,
	of Life		  BIO 2.3 	and Zoology) Fundamentals of Biology (5) (Botany and Ecology)
LINGUIS 1	Intro Linguistics	(4)	İ	Introduction to (3) Language Study
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has not course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has not course(s) for articulation

MATH 17C		(4)	NO COURSE ARTICULATED: submitted course(s) for	
MATH 21A MATH 21B MATH 21C	OR Calculus Calculus Calculus	(4)	OR MATH 1A Calculus, Fi MATH 1B Calculus, Se MATH 1C Calculus, Th	econd Course (5)
PHILOS 10	Intro Cognitive Science	(4)	NO COURSE ARTICULATED: submitted course(s)for	
PHILOS 13G	Minds, Brains Comp w/Disc	(4)	NO COURSE ARTICULATED:( submitted course(s)for	College has not
PHYSICS 7A	General Physics	(4)	<del>_</del>	
			Lecture Par PHYS 20L <u>&amp;</u> General Phy Part I	
			PHYS 21 <u>&amp;</u> General Phy Lecture Par	
			PHYS 21L General Phy Part II	
PHYSICS 7B	General Physics	(4)	PHYS 20 & General Phy Lecture Par	
			PHYS 20L & General Phy	
			Part I PHYS 21 <u>&amp;</u> General Phy	
			Lecture Par PHYS 21L General Phy	
PHYSICS 7C	General Physics	(4)	Part II PHYS 20 <u>&amp;</u> General Phy	rsics (3)
			Lecture Par PHYS 20L & General Phy	
			Part I PHYS 21 & General Phy	rsics (3)
			Lecture Par PHYS 21L General Phy	
	OR		Part II OR	,
PHYSICS 9A		(5)		echanics for (5) and
PHYSICS 9B	Classical Physics	(5)	PHYS 41 Waves, Option Thermodynami	cs for
PHYSICS 9C	Classical Physics	(5)	Scientists & Electricity Magnetism for Scientists & Engineers	and (4)
	General Psychology			
PSYCH 41	Research Methods	(4)	Methods	on to (3) cal Research
	Elementary Statistics STATIST 13Y	(4)	MATH 15 Elementary S	Statistics (4)

## END OF MAJOR

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

# Special Advising Note:

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

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

ANTHRO 4	1		Linguisti <b>OR</b>	cs	(4)	NO CO	OMPAR	ABLE COURSE OR		
LINGUIS	1	Intro	Linguisti	.cs	(4)	ENGL	25	Introduction Language Stu		(3)
COMUNCN	1		Public Sp	ykg	(4)	SPCH	1A	Introduction Speaking OR	to Public	(3)
COMUNCN	3		nl Com Cm	petnce	(4)	COMM	6	Interpersonal Communication		(3)
			OR					OR		
COMUNCN Same	_	LINGUIS	English 5 <b>OR</b>	Comm	(4)	!		ARTICULATED: Course(s) for OR	_	
LINGUIS Same		Global COMUNCN	English 5	Comm	(4)	:		ARTICULATED:Course(s)for		

COMUNCN 10Y	Intro to Communication	n $(4)$ NO COU	JRSE ARTICULATED:	College has not
		submit	ted course(s)for	articulation
B) ENG CS 15	Intro to Computers	(4) CS 5	Computer Litera	cy (3)

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

OR PHILOS 12 Intro to Symbol Logic	OR (4)   PHIL 4 Introduction to Symbolic (3) Logic
PSYCH 1 General Psychology	(4)   PSYCH 1A General Psychology (3)
SOCIOL 1 Intro Sociology	(5)   SOC 1 Introduction to Sociology (3)
SOCIOL 46B Intro Social Rsch OR	(5) NO COMPARABLE COURSE   OR
STATIST 13 Elementary Statistics Same as: STATIST 13Y END OF MAJOR	(4) MATH 15 Elementary Statistics (4)

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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

TWO COURSES FROM THE FOLLOWING:

COMUNCN 1	Intro Public Spkg	(4)	SPCH 1A	Introduction to Public	(3)
				Speaking	
COMPLIT 1	Major Books-Ancient	(4)	NO COURSE	ARTICULATED: College has	s not
	World		submitted	course(s) for articulation	on
COMPLIT 2	Major Books-Middle Ages	(4)	NO COURSE	ARTICULATED: College has	s not
	to Enlightenment		submitted	course(s) for articulation	on
COMPLIT 3	Major Books-The Modern	(4)	NO COURSE	ARTICULATED: College has	s not
	Crisis		submitted	course(s) for articulation	on
COMPLIT 4	Maj Books:Cont Wrld	(4)	ENGL 9	Contemporary World	(3)
				Literature	
ENGLISH 3	Intro to Lit	(4)	ENGL 1B	Literature and	(3)
				Composition	
N A STD 5	Intro NA Literature	(4)	NO COMPARA	ABLE COURSE	
UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(4)
UWRITING 18	Style in the Essay	(4)	NO COMPARA	ABLE COURSE	

As of F17, Course Number = UWRITING 4 UWRITING 19 Wrtg Research Papers	(4) ENGL 5 Advanced Composition and (3) Critical Thinking
As of F17, Course Number = UWRITING 4	49 
CM&RGDE 1 The Community CM&RGDE 2 Ethnicity Amer Comm	(4) NO COMPARABLE COURSE (4) HIST 21 Race, Ethnicity and (3) Gender in American Culture
PL SCI 21 Computers in Technology  OR	(3) AGBUS 2 Agricultural Computer (3) Applications OR
B) ENG CS 15 Intro to Computers	(4) CS 5 Computer Literacy (3)

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

ECON 1A	Princ of Microecon	(4)	ECON 2	Principles of Microeconom.		(3)
ECON 1B	OR Princ of Macroecon	(4)	ECON 1	OR Principles of Macroeconom		(3)
ANTHRO 2 As of W17,	Cultural Anthropology units=5 OR	(4)	ANTHRO 2	2 Cultural 2	Anthropology	(3)
SOCIOL 1	Intro Sociology	(5)	SOC 1	~	to Sociology	(3)
	Elementary Statistics : STATIST 13Y	(4)	MATH 15	Elementary	Statistics	(4)
	OR	ĺ		OR		
STATIST 32	Stat Anlys Thru Comp	(4)	NO COMPA	ARABLE COURSE		
	title = Gateway to Data So					
·	OR	1		OR		
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPA	ARABLE COURSE		

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 <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

COMPLIT 1	Major Books-Ancient World	(4)		ARTICULATED: course(s)for	College has not articulation
	OR			OR	
COMPLIT 2	Major Books-Middle Ages to Enlightenment	(4)		ARTICULATED: course(s)for	College has not articulation
COMPLIT 3	Major Books-The Modern Crisis OR	(4)		ARTICULATED: course(s)for OR	College has not articulation
COMPLIT 4	Maj Books:Cont Wrld	(4)	ENGL 9	Contemporary Literature	World (3)

## TWO COURSES FROM THE FOLLOWING:

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

COMPLIT	1	Major Books-Ancient	(4)			College has not
		World		submitted	course(s)for	articulation
COMPLIT	2	Major Books-Middle Ages	(4)	I		College has not
		to Enlightenment		submitted	course(s)for	articulation
COMPLIT	3	Major Books-The Modern	(4)	NO COURSE	ARTICULATED:	College has not
		Crisis		submitted	course(s)for	articulation
COMPLIT	4	Maj Books:Cont Wrld	(4)	ENGL 9	Contemporary	World (3)
					Literature	
COMPLIT	5	Fairy Tales, Fables,	(4)	NO COMPARA	ABLE COURSE	
		Parables				
COMPLIT	6	Myths & Legends	(4)	NO COMPARA	ABLE COURSE	

COMPLIT	7	Lit:Fant,Supernatl	(4)	NO COMPARABLE COURSE
COMPLIT	8	Utopias Transform	(4)	NO COMPARABLE COURSE
COMPLIT	9	Short Story & Novella	(4)	NO COMPARABLE COURSE
COMPLIT	11	Travel and Modern World	(4)	NO COURSE ARTICULATED: College has not
Same	as:	GERMAN 11		submitted course(s) for articulation
COMPLIT	12	Intro Women Writers	(4)	NO COMPARABLE COURSE
COMPLIT	13	Dramatic Lit	(3)	ENGL 11 Introduction to (3)
				Dramatic Literature
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	(4)	NO COURSE ARTICULATED: College has not
		World		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.

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

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END OF MAJOR

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

## 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 <a href="transfer admission website">transfer damission website</a> 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.

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### Transfer Admission Guarantee (TAG) Note:

 ${\tt GPA}$  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.

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#### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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### REQUIRED FOR ADMISSION:

a)	MATH 21A	Calculus	(4)   MATH 1A	Calculus, First Course	(5)
a)	MATH 21B	Calculus	(4) MATH 1B	Calculus, Second Course	(5)
a)	MATH 21C	Calculus	(4)   MATH 1C	Calculus, Third Course	(4)
a)	MATH 21D	Vector Analysis	(4)   MATH 1C	Calculus, Third Course	(4)
a)	MATH 22A	Linear Algebra	(3)   MATH 5	Introduction to Linear Algebra	(3)
a)	MATH 22B	Differntl Equations	(3)   MATH 2	Calculus, Fourth Course - Differential Equations	(3)
a)	PHYSICS 9A	Classical Physics	(5)   PHYS 40	Classical Mechanics for Scientists and Engineers	(5)
a)	PHYSICS 9B	Classical Physics	(5)   PHYS 41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a)	PHYSICS 9C	Classical Physics	(5)   PHYS 42	Electricity and Magnetism for Scientists and Engineers	(4)
a)	PHYSICS 9D	Modern Physics	(4)   PHYS 43	Modern Physics for	(3)

					Scientists and Engineers	
a) CHEM 2	A Genl Chemistry	(5)	CHEM		General Chemistry	(5)
			CHEM	4A	General Chemistry with Quantitative Analysis	(5)
a) ENGIN	17 Circuits I	(4)	ENGR 	16	Electric Circuits & Devices	(4)
a) ENG CS a) ENG CS	20 C Sci/Discrete 30 Programming⪻ Solving	, ,	MATH  CS 1 	)	Discrete Mathematics Introduction to Computer Programming	(4) (4)
a) ENG CS	40 Sftwr/Obj-Orie	n:C++ (4)	CS 1   CS 1		Java Programming Data Structures and Algorithms	(3)
a) ENG CS	60 Data Structure Programming	s & (4)	NO CO	OMPA:	RABLE COURSE	
a) UWRITI	NG 1 Expository Wr OR	iting (4)	ENGL	1A	College Composition OR	(4)
a) ENGLISH	H 3 Intro to Lit	(4)	ENGL	1B	Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) COMUNCN 1	Intro Public Spkg	(4)	   SPCH 	1A	Introduction to Public Speaking	(3)
a) COMUNCN 3	OR Intprsnl Com Cmpetnce	(4)	  COMM 	6	OR Interpersonal Communication	(3)

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.

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END OF MAJOR

### a) This articulation is approved for engineering majors.

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

### 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.

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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 our website for details regarding UC Davis TAG.

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### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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

### REQUIRED FOR ADMISSION:

a) MATH 21A Calculus (4) | MATH 1A Calculus, First Course (5)

a) MATH 21B Calculus (4) | MATH 1B Calculus, Second Course (5)

a)	MATH 21C	Calculus	(4)	MATH 1C	Calculus, Third Course	(4)
a)	MATH 21D	Vector Analysis	(4)	MATH 1C	Calculus, Third Course	(4)
a)	MATH 22A	Linear Algebra	(3)	MATH 5	Introduction to Linear Algebra	(3)
a)	MATH 22B	Differntl Equations	(3)	MATH 2   	Calculus, Fourth Course - Differential Equations	(3)
a)	PHYSICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for Scientists and Engineers	(5)
a)	PHYSICS 9B	Classical Physics	(5)	PHYS 41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a)	PHYSICS 9C	Classical Physics	(5)	PHYS 42	Electricity and Magnetism for Scientists and Engineers	(4)
a)	PHYSICS 9D	Modern Physics	(4)	PHYS 43	Modern Physics for Scientists and Engineers	(3)
a)	CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
				CHEM 4A	General Chemistry with Quantitative Analysis	(5)
a)	ENGIN 17	Circuits I	(4)	ENGR 16	Electric Circuits & Devices	(4)
a)	ENG CS 20	C Sci/Discrete Math	(4)	MATH 4	Discrete Mathematics	(4)
a)	ENG CS 30	Programming&Prob Solving		CS 10	Introduction to Computer Programming	(4)
				OR   CS 17.11	Java Programming	(3)
a)	ENG CS 40	Sftwr/Obj-Orien:C++	(4)	CS 17.11  CS 11	Data Structures and Algorithms	(4)
a)	ENG CS 50	Machine Dependent	(4)	CS 12	Assembly Language Programming	(4)
a)	ENG CS 60	Prog Data Structures & Programming	(4)	NO COMPAI	RABLE COURSE	
a)	UWRITING 1	Expository Writing  OR	(4)	  ENGL 1A 	College Composition OR	(4)
a)	ENGLISH 3	Intro to Lit	(1)	  ENGL 1B	Literature and	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) COMUNCN 1 Intro Public Spkg (4) SPCH 1A Introduction to Public (3)

Only Communication 1 can be used to satisfy the communications requirement for this major. No credit will be allowed for Communication 3.

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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.

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END OF MAJOR

a) This articulation is approved for engineering majors.

====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.

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Beginning fall 2018, all applicants to Computer Science will also be required to complete Engineering Computer Science (ENG CS) 50 and ENG CS 60 as part of the selective course group currently requiring a 3.40 GPA and including ENG CS 20 and 30.

Please visit the <u>Computer Science website</u> for additional tips on preparing for your transfer into this major.

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### 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 <a href="https://doi.org/10.1001/journal.com/highly/recommended">highly recommended</a> 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH 21A MATH 21B	Calculus Calculus		!	H 1A H 1B	Calculus, First Course Calculus, Second Course	(5) (5)
MATH 21C	Calculus	(4)	TAM	н 1C	•	(4)
MATH 22A	Linear Algebra	(3)	MAT	Н 5	Introduction to Linear Algebra	(3)
	OR		İ		OR	
MATH 67	<del></del>	(4)	NO	COMPA	RABLE COURSE	
ENG CS 20	C Sci/Discrete Math	(4)	MAT	н 4	Discrete Mathematics	(4)
ENG CS 30	Programming&Prob Solving	(4)	CS 	10	Introduction to Computer Programming	(4)
				OR		
			CS	<del>17</del> .11	Java Programming	(3)
As of F	18, Course Number = ENG CS 3	36A				
ENG CS 40	Sftwr/Obj-Orien:C++	(4)	CS	11	Data Structures and	(4)
			İ		Algorithms	
As of F	18, Course Number = ENG CS 3	36B				
ENG CS 50	Machine Dependent Prog	(4)	CS 	12	Assembly Language Programming	(4)

As of F18, Course Number = ENG CS 36C

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.

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## ONE OF THE FOLLOWING GROUPS:

## Group One:

CHEM 2A	Genl Chemistry	(5)	CHEM 1A OR	General Chemistry	(5)
			CHEM 4A	General Chemistry with	(5)
				Quantitative Analysis	( - )
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &		(5)
011211 22		(3)	CHEM 1B	General Chemistry	(5)
			OR	General enemiser,	(3)
			CHEM 4A &	General Chemistry with	(5)
				Quantitative Analysis	(3)
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	(3)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
CHEN ZC	delli ellemibery	(3)	OR	deficial elicimistry	(3)
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	(3)
	OR			OR	
		Group T	 ₩O:		
		oroup r			
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
C11211 211	delli ellemiber	(3)	OR	General enemiser,	(3)
			CHEM 4A	General Chemistry with	(5)
				Quantitative Analysis	(3)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &		(5)
CHEM ZD	delii eliemisery	(3)	CHEM 1B	General Chemistry	(5)
			OR	deficial elicimistry	(3)
			CHEM 4A &	General Chemistry with	(5)
			CIIII''	Quantitative Analysis	(3)
			CHEM 4B	General Chemistry with	(5)
			CHEM ID	Quantitative Analysis	(3)
BIOLSCI 2A	Intro Biology:Life or	1 (5)	  BIO 2.1	Fundamentals of Biology	(5)
DIODDCI ZA	Earth	1 (3)		(Cell and Molecular)	( ) )
	OR		I I	OR	
		roup Th	 ree:	OK .	
	G.	.oup III.			
CHEM 2AH	Honors Genl Chemistry	(5)	NO COURSE	ARTICULATED: College has	not
CHEN ZIM	nonorb denr enemibery	(3)		course(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)		ARTICULATED: College has	
CHEN ZEN	nonorb denr enemibery	(3)		course(s) for articulation	
CHEM 2CH	Honors Genl Chemistry	(5)	!	ARTICULATED: College has	
CHEM ZCH	HOHOLD GCHI CHEMIDELY	(3)		course(s) for articulation	
	OR		Submitteed	OR	011
		Group Fo	our:	<u> </u>	
		oroup r	Jul 1		
PHYSICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for	(5)
		(3)		Scientists and	( ) /
			İ	Engineers	
PHYSICS 9B	Classical Physics	(5)	PHYS 41	Waves, Optics and	(4)
1112100 )D		(3)		Thermodynamics for	( - /
				Scientists & Engineers	
			I	SOTOTION & BINGTHOOLD	

PHYSICS	9C Class	sical Physics	(5) PH	ΥS	42	Electrici	ty and		(4)
						Magnetism	for		
						Scientist	s and		
						Engineers			
MATH 21D	Vector	Analysis	(4)   MZ	TH	1C	Calculus,	Third	Course	(4)

END OF MAJOR

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

### Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

DESIGN 31 Photo for Designers (4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

DESIGN 1 Intro to Design (4)|NO COMPARABLE COURSE

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

### ONE COURSE FROM THE FOLLOWING:

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

ART 12 Be	ginning Video	(4)	MEDIA 20 Introduction to (4)   Digital Filmmaking
DESIGN 37	Coding for Designers	(4)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
DESIGN 40A	Energy, Materials, Design	(4)	NO COMPARABLE COURSE
DESIGN 40B	Ideologies of Design	(4)	NO COMPARABLE COURSE
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 <b>OR</b>	(4)	NO COURSE ARTICULATED: College has not  submitted course(s)for articulation   OR
UWRITING 12	Writing/Visual Rhetoric <b>OR</b>	(4)	NO COURSE ARTICULATED: College has not   submitted course(s)for articulation   OR
	Style in the Essay ourse Number = UWRITING 48	, ,	NO COMPARABLE COURSE
	OR		OR
UWRITING 19	Wrtg Research Papers	(4)	ENGL 5 Advanced Composition and (3) Critical Thinking
As of F17, C	ourse Number = UWRITING 49	9	
END OF MAJOR			

- f) The Department of Design at UC Davis will accept Santa Rosa Junior College's ART 7A and 7B in lieu of DESIGN 14. The Art Department at UC Davis will accept Santa Rosa Junior College's ART 7A in lieu of ART 2 or ART 7B in lieu of Art 2.
- g) The Department of Design at UC Davis will accept Santa Rosa Junior College's ART 3 in lieu of DESIGN 15. The Art Department at UC Davis will accept Santa Rosa Junior College's ART 3 in lieu of ART 10.

### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. Preparing well for the major helps students move efficiently toward graduation 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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GPA and other requirements to obtain a UC Davis TAG may differ from those stated here for general transfer admission to the major. Visit http://tag.ucdavis.edu for details regarding UC Davis TAG.

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

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

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See http://llc.ucdavis.edu/foreign-language-placement-exams and check with your 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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

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

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

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## ONE COURSE FROM THE FOLLOWING:

ARTHI 1D	Arts of Asia	(4)	NO COMPARABLE COURSE
CHINESE 7	Chinese Business Culture	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
CHINESE 10	Modern Lit (in Engl)	(4)	NO COMPARABLE COURSE
CHINESE 11	Gt Bks China (Engl)	(4)	NO COMPARABLE COURSE
COMPLIT 53A	Lit of East Asia	(4)	NO COMPARABLE COURSE
JPNESE 10	Masterworks in English	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation

JPNESE 25	Language & Culture (in	(4)	NO COURSE ARTICULATED: College has not
	English)		submitted course(s) for articulation
JPNESE 50	Intro to Literature	(4)	NO COURSE ARTICULATED: College has not
Same as:	CHINESE 50		submitted course(s) for articulation
E ASIAN 88	Korean Society	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
REL STD 75	Introduction to Chinese	(4)	NO COMPARABLE COURSE
	Philosophy		

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

$\mathbf{x}$ ) C	CHINESE 1	Elem Chinese	(5)	NO COMPARABLE COURSE
x) (	CHINESE 2	Elem Chinese	(5)	NO COMPARABLE COURSE
		OR		OR
y) J	JPNESE 1	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation
y) J	JPNESE 2	Elem Japanese	(5)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation

#### END OF MAJOR

- ${\bf x})$  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 <a href="https://highly.recommended">highly recommended</a> 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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### Transfer Admission Guarantee (TAG) Note:

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

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

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

from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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## 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.

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 &   	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
			BIO 2.3	Fundamentals of Biology (5) (Botany and Ecology)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO 2.2 <u>&amp;</u>   	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
			BIO 2.3 	Fundamentals of Biology (5) (Botany and Ecology)
CHEM 2A G	enl Chemistry	(5)	CHEM 1A	General Chemistry (5)

					CHEM	4A			Chemistry		(5)
CHEM 2B		Genl Chemis	ztrv	(5)	CHEM	1 a s			Chemistry	_	(5)
CHEM ZD		OCIII CIICIIII	JCI Y	(3)	CHEM	-			Chemistry		(5)
					OI			ociiciai .		Z	(3)
					CHEM		Se .	General (	Chemistry	y with	(5)
					İ	-			tive Ana		
					CHEM	4B		General (	Chemistry	y with	(5)
					İ			Quantita	tive Ana	lysis	
PHYSICS	 1	Dringin	 les Physics	·				LE COURS	 r		
PHYSICS			les Physics les Physics		!			LE COURS			
THIBICD	TD	OR	ics inysics	(3)	100 00	)!·IL AI	.CAD	O COORD			
PHYSICS	7 A		Physics	(4)	PHYS	2.0	&	_	Physics		(3)
1112132	,	00110101	1117 2202	( - /			=	Lecture			(5)
					PHYS	20L	&		Physics	Lab	(1)
					İ		_	Part I	1		. ,
					PHYS	21	&	General	Physics		(3)
					İ		_	Lecture	Part II		
					PHYS	21L		General	Physics	Lab	(1)
					ĺ			Part II			
PHYSICS	7В	General	Physics	(4)	PHYS	20	&	General	Physics		(3)
								Lecture			
					PHYS	20L	&	General	Physics	Lab	(1)
								Part I			
					PHYS	21	<u>&amp;</u>		Physics		(3)
						01.			Part II	- 1	/1 \
					PHYS	21L			Physics	Lab	(1)
DIIVCTCC	70	Conomol	Dhraiga	(1)		20	_	Part II General	Dhraiga		(3)
PHISICS	/ C	General	PHYSICS	(4)	PHYS	20	<u>&amp;</u>	Lecture			(3)
					  PHYS	2Ωт.	2.		Physics	T.ah	(1)
						2011	<u>a.</u>	Part I	FILYSICS	цар	( 1 )
					PHYS	21	&		Physics		(3)
							=		Part II		, 5 /
					PHYS	21L			Physics	Lab	(1)
					i	_		Part II	2 0.0		. ,
It is highly recommended that students complete an entire physics series at											
											/D / C

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		MATH 1A	Calculus, First Course (5)
MATH 16B	Short Calculus OR	(3)	MATH 1B 	Calculus, Second Course (5) OR
MATH 17A	Calculus for BioSci	(4)	!	ARTICULATED: College has not course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	!	ARTICULATED: College has not course(s) for articulation
	OR			OR
MATH 21A	Calculus	(4)	MATH 1A	Calculus, First Course (5)
MATH 21B	Calculus	(4)	MATH 1B 	Calculus, Second Course (5)
ENV S&P 1	Env Analysis	(4)	ECON 12   	Introduction to (3) Economics and the Environment

## PREPARATION FOR GRADUATION:

## 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.

# Transfer Admission Guarantee (TAG) Note:

GPA and other requirements to obtain a UC Davis TAG 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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# Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

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

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See http://llc.ucdavis.edu/foreign-language-placement-exams and check with your 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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

ECON 1A Princ of Microecon	(4)   ECON 2	Principles of	(3)
ECON 1B Princ of Macroecon	(4)   ECON 1	Microeconomics Principles of Macroeconomics	(3)
STATIST 13 Elementary Statistics	(4) MATH 15	Elementary Statistics	(4)
Same as: STATIST 13Y		OP	

OR OR 

STATIST 32	Stat	Anlys Thru	Comp	(4) NO	COMPARABLE	COURSE	
As of F18,	title =	Gateway to	Data	Science			

MATH 16A	Short Calculus	(3) MATH	1A	Calculus,	First Course	(5)
MATH 16B	Short Calculus	(3)   MATH	1B	Calculus,	Second Course	(5)
	OR			OR		
MATH 21A	OR Calculus	 (4) MATH	1A		First Course	(5)

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

MATH 21C	Calculus	(4)   MATH 1C	Calculus, Third Course	(4)
MATH 22A	Linear Algebra	(3) MATH 5	Introduction to Linear	(3)
			Algebra	

END OF MAJOR

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

#### 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 <a href="transfer admission website">transfer admission website</a> 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

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#### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018 <u>General Catalog</u>. Quick reference charts for  $\underline{AP}$  and  $\underline{IB}$  are also available from our TAG website.

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REQUIRED FOR ADMISS	REQUIRED	FOR	ADMISSION:
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a)	MATH 21A	Calculus	(4)	MATH 1	LA	Calculus,	First Course	(5)
a)	MATH 21B	Calculus	(4)	MATH 1	LB	Calculus,	Second Course	(5)
a)	MATH 21C	Calculus	(4)	MATH 1	LC	Calculus,	Third Course	(4)
a)	MATH 21D	Vector Analysis	(4)	MATH 1	LC	Calculus,	Third Course	(4)
a)	MATH 22A	Linear Algebra	(3)	MATH 5 		Introductio	on to Linear	(3)
a)	MATH 22B	Differntl Equations	(3)	MATH 2   			Fourth Course tial Equations	(3)
a)	PHYSICS 9A	Classical Physics	(5)	PHYS 4   	10	Classical Scientists Engineers	Mechanics for and	(5)
a)	PHYSICS 9B	Classical Physics	(5)	PHYS 4   	11	Waves, Opt Thermodyna Scientists		(4)
a)	PHYSICS 9C	Classical Physics	(5)	PHYS 4     	12	Electricit Magnetism Scientists Engineers	for	(4)
a)	PHYSICS 9D	Modern Physics	(4)	PHYS 4   	13	Modern Phy Scientists Engineers		(3)
a)	CHEM 2A	Genl Chemistry	(5)	CHEM 1	LA	General Ch	nemistry	(5)
				CHEM 4	1A		nemistry with ive Analysis	(5)
a)	ENGIN 17	Circuits I	(4)	ENGR 1 	L6	Electric ( Devices	Circuits &	(4)
a)	ENG CS 30	Programming&Prob Solving	(4)	CS 10     <u>OR</u>		Introduct Computer	tion to Programming	(4)

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#### REQUIRED FOR GRADUATION:

a) ENGIN 6	Engr Prob Solving	(4)   ENGR 6 	Programming in MATLAB for Engineers	(3)
a) UWRITING 1	Expository Writing OR	(4) ENGL 1A 	College Composition OR	(4)
a) ENGLISH 3	Intro to Lit	(4) ENGL 1B	Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a)	COMUNCN 1	Intro Public	Spkg	(4)	SPCH	1A	Introduction to Public Speaking	(3)
					ļ		bpcaring	
		OR					OR	
a)	COMUNCN 3	Intprsnl Com	Cmpetnce	(4)	COMM	6	Interpersonal Communication	(3)

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.

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END OF MAJOR

a) This articulation is approved for engineering majors.

# ====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 <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term prior to enrollment.

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#### College Foreign Language Requirement Note:

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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 2016-18 $\underline{\text{General Catalog}}$ . Quick reference charts for $\underline{\text{AP}}$ and $\underline{\text{IB}}$ are also available from our TAG website.

ENGLISH 3	Intro to Lit	(4)	   ENGL   	1B	Literature and Composition OR	(3)
UWRITING 1	Expository Writing	(4)	ENGL	1A	College Composition	(4)
ENGLISH 10A	Literatures in English I: To 1700	(4)	ENGL 	46.1	Survey of English Literature Part 1	(3)
ENGLISH 10B	Literatures in English II: 1700-1900	(4)	ENGL	30.1	American Literature: Pre-Colonial Period to the Civil War	(3)
				OR		
			ENGL	46.2	Survey of English Literature Part 2	(3)
ENGLISH 10C	Literatures in English III: 1900 to Present	(4)	ENGL   	30.2	American Literature from 1865 to the Present	(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 43	Intro Topics in Drama	(4) NO COMPARABLE COURSE
ENGLISH 44	Intro Topics in Fiction	(4) ENGL 2 Introduction to the (3)
		Novel
ENGLISH 45	Intro Topics in Poetry	(4) ENGL 3 Introduction to Poetry (3)

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.

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

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

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

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

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

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

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

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI 2B		(5)	BIO 2.2 <u>&amp;</u>	
			BIO 2.3	Fundamentals of Biology (5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life		  BIO 2.2 <u>&amp;</u> 	(Botany and Ecology) Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
			BIO 2.3 	Fundamentals of Biology (5) (Botany and Ecology)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A   OR	General Chemistry (5)
			CHEM 4A	General Chemistry with (5) Quantitative Analysis
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry (5)
	-		CHEM 1B	
				General Chemistry with (5)
				Quantitative Analysis
			CHEM 4B	General Chemistry with (5)
				Quantitative Analysis
CHEM 8A	Organic Chem-Brief	(2)	СНЕМ 8	Introductory Organic (5)
			j	Chemistry
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8	Introductory Organic (5)
				Chemistry
MATH 16A	Short Calculus	(3)	  MATH 1A	Calculus, First Course (5)
MATH 16B	Short Calculus			Calculus, Second Course (5)
MATH 16C	Short Calculus	(3)	MATH 1B	Calculus, Second Course (5)
	OR		į	OR
MATH 17A	Calculus for BioSci	(4)		ARTICULATED: College has not
				course(s) for articulation
MATH 17B	Calculus for Biosci	(4)		ARTICULATED: College has not
MARII 170	Calaulua fan Diagai	(1)	1	course(s) for articulation
MATH 17C	Calculus for BioSci	(4)		ARTICULATED: College has not course(s) for articulation
	OR		Submitted	OR
MATH 21A	Calculus	(4)	  MATH 1A	Calculus First Course (5)
MATH 21B	Calculus	(4)	MATH 1B	Calculus, Second Course (5)
MATH 21C	Calculus	(4)	MATH 1C	Calculus, Second Course (5) Calculus, Third Course (4)
	Production 1 and Physics			ADI D. GOIDGE
	Principles Physics Principles Physics			ABLE COURSE ABLE COURSE
	Principles Physics	(3)		
STATIST 13	Elementary Statistics	(4)	MATH 15	Elementary Statistics (4)
	STATIST 13Y	•	İ	- , , ,
	OR			OR

STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE

As of F18, title = Gateway to Data Science

OR OR

PL SCI 21 Computers in Technology (3) AGBUS 2 Agricultural Computer (3)

Applications

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

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### 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 <a href="transfer admission website">transfer admission website</a> 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.

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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 our website for details regarding  $\underline{\text{UC Davis TAG}}$ .

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### 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 2016-18 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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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	REQUIRED 1	FOR	ADMIS	SION	τ:			
MATH 21A MATH 21B MATH 21C MATH 21D MATH 22A	Calculus Calculus Calculus Vector Analysis Linear Algebra	(4) (4) (4)	MATH  MATH  MATH  MATH  MATH	1B 1C 1C	Calculus, First Course Calculus, Second Course Calculus, Third Course Calculus, Third Course Introduction to Linear Algebra	(5) (5) (4) (4) (3)		
MATH 22B	Differntl Equations	(3)	MATH	2	Calculus, Fourth Course - Differential Equations	(3)		
CHEM 2A	Genl Chemistry	(5)	CHEM		General Chemistry	(5)		
CHEM 2B	Genl Chemistry	(5)	CHEM CHEM CHEM	1A 1B	General Chemistry with Quantitative Analysis General Chemistry General Chemistry	<ul><li>(5)</li><li>(5)</li><li>(5)</li></ul>		
CHEM 2C	Genl Chemistry	(5)	CHEM   CHEM   CHEM	4B 1B	General Chemistry with Quantitative Analysis General Chemistry with Quantitative Analysis General Chemistry	<ul><li>(5)</li><li>(5)</li><li>(5)</li></ul>		
			OI  CHEM 	_	General Chemistry with Quantitative Analysis	(5)		
PHYSICS 9F	Classical Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)		
PHYSICS 9E	B Classical Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)		
ENGIN 35	Statics	(4)	ENGR 	34	Engineering Mechanics: Statics	(3)		
ENGIN 6	Engr Prob Solving OR	(4)	ENGR	6	Programming in MATLAB for Engineers OR	(3)		
ENG CS 30	Programming&Prob Solving	(4)			Introduction to Computer Programming	(4)		
As of E								

Required for admission. Students must complete <u>one</u> programming course in a higher level language intended for students majoring in engineering, physical sciences, or mathematics.

ENGLISH 3 Intro to Lit		(4) ENGL 1B	Literature and Composition	(3)
	OR		OR	
UWRITING 1	Expository Writing	(4) ENGL 1A	College Composition	(4)

ATM SCI 60	Intro to Atmospheric Science	(4)	NO CC	MPAR.	ABLE	COURSE		
	OR		 			OR		
c) GEOLOGY 50	<del></del>	(2)	  GEOL	1	Tho	Earth	1.5	3)
,	Physical Geology	(3)	I GEOT	_	me	Earth	( -	) )
d)								

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.
- ${\bf q})$  If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

# ====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 <a href="https://doi.org/10.1001/journal-no.1001

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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# Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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

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

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

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

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

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

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

ENVHORT 1	Intro Envhort/Urb For	(3)	!	ARTICULATED: College has course(s) for articulation	
ENVHORT 6	Intro Environ Plants	(4)	HORT 8	Plant Materials: Summer/Fall	(3)
			<u>OR</u>		
			HORT 12		(3)
				Winter/Spring	
LND ARC 3	0 History Environ Design	(4)	NO COMPARA	ABLE COURSE	
BIOLSCI 2	A Intro Biology:Life on	(5)	BIO 2.1	Fundamentals of Biology	(5)
	Earth			(Cell and Molecular)	
BIOLSCI 2		(5)	BIO 2.2 &	Fundamentals of Biology	(5)
	& Evolution			(Evolution, Genetics,	
				and Zoology)	
			BIO 2.3	Fundamentals of Biology	(5)
DI GGI O	Dat Dhamis Cal Dit	( 1 )	  NO COMPAD:	(Botany and Ecology)	
PL SCI 2	Bot Physio Cul Plt	(4) 	NO COMPARA	ABLE COURSE	
CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
			OR		
			CHEM 4A	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2B	Genl Chemistry	(5)	: —	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
			OR .		
			CHEM 4A &	<del>-</del>	(5)
				Quantitative Analysis	

		CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
ENV S&P 1 Env Analysis  OR	(4)	ECON 12   	Introduction to Economics and the Environment OR	(3)
ENV S&P 10 Current Issues in Environment	(3)	  BIO 12     <b>OR</b>	Basic Concepts of Ecology	(3)
		SOCS 12	and Politics	(3)
ENV S&P 10 not open for credit t OR	to stude	ents who h '	ave completed ENV S&P 1 OR	
ENV S&P 30 Global Ecosystem Same as: ENV SC&M 30	(3)	  NO COMPAR 	ABLE COURSE	
PHYSICS 1A Principles Physics PHYSICS 1B Principles Physics		!		
PL SCI 21 Computers in Technolog	gy (3)	AGBUS 2 	Agricultural Computer Applications	(3)
MATH 16A Short Calculus OR	(3)	  MATH 1A 	Calculus, First Course OR	(5)
STATIST 13 Elementary Statistics Same as: STATIST 13Y	s (4)	  MATH 15   	Elementary Statistics	(4)

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

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# URBAN LANDSCAPE MANAGEMENT OPTION

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

# END OF MAJOR

# ====Environmental Policy Analysis & Planning B.S.==== Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal-no.1001

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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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

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

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

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

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

COMUNCN 1	Intro Public Spkg	(4)   SPCH 1A	Introduction to Public Speaking	(3)
	OR		OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4) COMM 6	Interpersonal	(3)

			Communication	
OR DRAMART 10 Intro To Acting	(4)	  THAR 10A	<b>OR</b> Introduction to Acting	(3)
BIOLSCI 2A Intro Biology:Life o Earth OR	n (5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 10 Everyday Biology	(4)	BIO 10	Introduction to Principles of Biology	(4)
		<u>OR</u>  BIO 12 	Basic Concepts of Ecology	(3)
CHEM 2A Genl Chemistry	(5)	CHEM 1A   <b>OR</b>	General Chemistry	(5)
OR		CHEM 4A	General Chemistry with Quantitative Analysis OR	(5)
CHEM 10 Concept of Chem	(4)		ARTICULATED: College has course(s)for articulation	
PHYSICS 1A Principles Physics	(3)	NO COMPARA	ABLE COURSE	
BIOLSCI 2B Intro Biology: Ecolo & Evolution	gy (5)	BIO 2.2 <u>&amp;</u> 	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
OR		BIO 2.3	Fundamentals of Biology (Botany and Ecology)  OR	(5)
CHEM 2B Genl Chemistry	(5)	CHEM 1A & CHEM 1B OR	General Chemistry	(5) (5)
			General Chemistry with Quantitative Analysis General Chemistry with	(5)
OR		 	Quantitative Analysis <b>OR</b>	
PHYSICS 1B Principles Physics	(3)	NO COMPARA	ABLE COURSE	
ONE COURSE	FROM T	HE FOLLOWII	NG:	
PL SCI 21 Computers in Technolo OR	gy (3)	AGBUS 2   	Agricultural Computer Applications OR	(3)
SCI&SOC 18 GIS & Society		submitted	ARTICULATED: College has course(s) for articulation	on
ECON 1A Princ of Microecon	(4)		Principles of Microeconomics	(3)
ECON 1B Princ of Macroecon	(4)	ECON 1		(3)
ONE COURSE	FROM TI	HE FOLLOWII	NG:	
AN SCI 1 Domest Ani & People ATM SCI 60 Intro to Atmospheric Science				
q) GEOLOGY 1 The Earth PL SCI 12 Plants and Society Same as: SCI&SOC 12 FORMERLY PLANT BIO 12		AGRI 20	The Earth Introduction to Plant Science	(3)
W&F BIO 51 Intro to Conservatio Biology	n (3)	BIO 12 	Basic Concepts of Ecology	(3)

ENV S&P 1	Env Analysis	(4)	ECON 12   	Introduction to (3) Economics and the Environment
MATH 16A MATH 16B	Short Calculus Short Calculus OR		!	Calculus, First Course (5) Calculus, Second Course (5) OR
MATH 17A MATH 17B	Calculus for BioSci Calculus for Biosci OR		submitted	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation OR
MATH 21A MATH 21B	Calculus	. ,	1	Calculus, First Course (5) Calculus, Second Course (5)
POL SCI 1	Amer Natl Govt	(4)	POLS 1 	Introduction to United (3) States Government
Same as: STATIST 32	Elementary Statistics STATIST 13Y OR Stat Anlys Thru Comp title = Gateway to Data Sc	(4)	    NO COMPARA	Elementary Statistics (4)  OR ABLE COURSE
SCI&SOC 25				AREA: ARTICULATED: College has not course(s) for articulation

#### END OF MAJOR

 ${\bf q})$  If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

# ====Environmental Science and Management B.S.==== Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.10/10.2016/journal.org/10.2016/journal.o

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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# Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4) SPCH 1A	Introduction to Public Speaking	(3)
	OR		OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4) COMM 6	Interpersonal Communication	(3)
	OR	į	OR	
DRAMART 10	Intro To Acting	(4) THAR 10A	Introduction to Acting	(3)
BIOLSCI 2A	Intro Biology:Life on	(5) BIO 2.1	Fundamentals of Biology	(5)

BIOLSCI 2B	Earth Intro Biology: Ecology & Evolution	(5)	  BIO 2	2.2 <u>8</u>	<u>\$</u>	(Cell and Molecular) Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			  BIO 2 	2.3		Fundamentals of Biology (Botany and Ecology)	
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	BIO 2   	2.2 <u>8</u>		Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			  BIO 2 	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A Ge	nl Chemistry	(5)	   CHEM   <b>OI</b>			General Chemistry	(5)
			CHEM	4A	(	General Chemistry with Quantitative Analysis	(5)
CHEM 2B Ge	nl Chemistry	(5)	CHEM   CHEM   OI	1в	_	General Chemistry General Chemistry	(5) (5)
			1	_		General Chemistry with Quantitative Analysis	(5)
			CHEM	4B	(	General Chemistry with Quantitative Analysis	(5)
CHEM ONE H	OR	<b>( - )</b>	   NTO . C(	otto at		OR	
CHEM 2AH H	onors Genl Chemistry	(5)				RTICULATED: College has ourse(s) for articulation	
СНЕМ 2ВН Н	onors Genl Chemistry	(5)	NO CO	DURSI	E A	RTICULATED: College has ourse(s) for articulation	not
q) GEOLOGY 1	The Earth OR	(4)	  GEOL 	1	T.	he Earth OR	(3)
c) GEOLOGY 50 q)	Physical Geology	(3)	GEOL	1	T.	he Earth	(3)
PHYSICS 1A PHYSICS 1B	Principles Physics Principles Physics OR		!			LE COURSE LE COURSE OR	
PHYSICS 7A	General Physics	(4)	PHYS	20	<u>&amp;</u>	General Physics Lecture Part I	(3)
			PHYS	20L	<u>&amp;</u>	General Physics Lab Part I	(1)
			PHYS	21	<u>&amp;</u>	General Physics Lecture Part II	(3)
			PHYS			General Physics Lab Part II	(1)
PHYSICS 7B	General Physics	(4)	PHYS		<u>&amp;</u>	Lecture Part I	(3)
			PHYS		_	General Physics Lab Part I	(1)
			PHYS		<u>&amp;</u>	General Physics Lecture Part II	(3)
PHYSICS 7C	General Physics	(1)	PHYS PHYS		c	General Physics Lab Part II General Physics	(1)
PHISICS /C	General Physics	(4)	    PHYS			Lecture Part I General Physics Lab	(1)
			PHIS   PHYS		<u>«</u> &	Part I General Physics	(3)
			    PHYS		=	Lecture Part II General Physics Lab	(1)
Tt is highly	recommended that students	g (C)	mpleta	מה ב	en	Part II	

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 2 Principles of Microeconomics	(3)
MATH 16A		(3)	MATH 1A   Calculus, First Course	(5)
MATH 16B			MATH 1B   Calculus, Second Course   OR	
MATH 17A		(4)	NO COURSE ARTICULATED: College has  submitted course(s) for articulatio	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has submitted course(s) for articulatio	not
	OR		OR	
MATH 21B	Calculus Calculus	(4)	MATH 1A Calculus, First Course   MATH 1B Calculus, Second Course	(5)
			ECON 12 Introduction to   Economics and the   Environment	
	RECOMMENDED COU	RSES	FOR THIS MAJOR:	
CHEM 2C	Genl Chemistry	(5)	CHEM 1B General Chemistry   OR	(5)
	O.D.		CHEM 4B General Chemistry with Quantitative Analysis	(5)
CHEM 2CH	<b>OR</b> Honors Genl Chemistry	(5)	OR  NO COURSE ARTICULATED: College has  submitted course(s) for articulatio	
	PREPARATION	FOR	GRADUATION:	
	Elementary Statistics : STATIST 13Y	(4)	MATH 15 Elementary Statistics	(4)
	ECOLOGY, BIODIVERSITY,	AND	CONSERVATION TRACK:	
ATM SCI 60	Intro to Atmospheric Science		:	
	CLIMATE CHANG	E AN	D AIR QUALITY TRACK:	
ATM SCI 60	Intro to Atmospheric Science	(4)	NO COMPARABLE COURSE 	
	WATERSHED	sci	ENCE TRACK:	
	: SCI&SOC 10		NO COURSE ARTICULATED: College has  submitted course(s) for articulatio  NO COURSE ARTICULATED: College has	n
	Landform Grading Studio		submitted course(s) for articulatio	
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- q) If a student takes GEOL 1 at Santa Rosa Junior 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:

BIOLSO	CI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 Fundamentals of Biology (5) (Cell and Molecular)
BIOLSO	CI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 & Fundamentals of Biology (5)  (Evolution, Genetics, and Zoology)
				BIO 2.3 Fundamentals of Biology (5) (Botany and Ecology)
BIOLSO	CI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO 2.2 & Fundamentals of Biology (5)   (Evolution, Genetics,   and Zoology)
		or mile		BIO 2.3 Fundamentals of Biology (5)   (Botany and Ecology)
CHEM 2	2A	Genl Chemistry	(5)	CHEM 1A General Chemistry (5)
				CHEM 4A General Chemistry with (5) Quantitative Analysis
CHEM 2	2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry (5)
				CHEM 1B General Chemistry (5)   <u>OR</u>
				CHEM 4A & General Chemistry with (5)   Quantitative Analysis
				CHEM 4B General Chemistry with (5)   Quantitative Analysis
CHEM 2	2C	Genl Chemistry	(5)	CHEM 1B General Chemistry (5)   OR
				CHEM 4B General Chemistry with (5)
		OR		Quantitative Analysis OR
CHEM 2	חעכ	Honors Genl Chemistry	(5)	OR  NO COURSE ARTICULATED: College has not
CIIEM 2	2711	HOHOLD GCHI CHEMISCLY	(3)	submitted course(s) for articulation
CHEM 2	2BH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation
CHEM 2	2CH	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
		AND		AND
CHEM 1	L18A	Org Chem, Hlth & Sci	(4)	CHEM 12A Organic Chemistry (5)
CHEM 1	L18B	Org Chem, Hlth & Sci		CHEM 12A & Organic Chemistry (5)

CHEM	118C	Org Chem <b>OR</b>	, Hlth & Sci	(4)	CHEM				Chemistr Chemistr		(5) (5)
CHEM	1287	_	Chemistry	(3)	  CHEM	122			<b>.</b> Chemistr	``\7	(5)
CHEM			Chemistry						Chemistr		(5)
		0-30		( - )	CHEM		_		Chemistr		(5)
CHEM	128C	Organic	Chemistry	(3)	CHEM				Chemistr		(5)
CHEM	129A	Organic	Chem Lab	(2)	CHEM	12A		Organic	Chemistr	Ϋ́	(5)
MATH	17A	Calculus	for BioSci	(4)					ED: Colle for arti		
MATH	17B	Calculus	for Biosci	(4)	NO CO	OURSI	E A	RTICULATE	ED: Colle	ge has	not
MATH	17C	Calqulug	for BioSci	(1)					for arti ED: Colle		
MAIII	170	Calculus	IOI BIOSCI	( 1 )					for arti		
		OR						OI		.041401	
MATH	21A	Calculus		(4)	MATH	1A		Calculus	First C Second Third C	ourse	(5)
MATH		Calculus		(4)	MATH	1B		Calculus	Second	Course	(5)
MATH	21C	Calculus		(4)	MATH	1C	(	Calculus	Third C	ourse	(4)
PHYSI	CS 7A	General	Physics	(4)	   PHYS	20	<u>&amp;</u>	General	-		(3)
					  PHYS	20L	&	Lecture General	Part I Physics	Lab	(1)
							_	Part I			( – )
					PHYS	21	<u>&amp;</u>	General	_		(3)
					  PHYS	21т.			Part II Physics	T.ah	(1)
						211		Part II	INVESTOR	Lab	( - )
PHYSI	CS 7B	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General			(3)
								Lecture		_	
					PHYS 	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	<u>&amp;</u>	General Lecture	-		(3)
					  PHYS	21T.			Physics	Lab	(1)
								Part II	11175165	Las	( - )
PHYSI	CS 7C	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General	Physics		(3)
								Lecture			
					PHYS	20L	<u>&amp;</u>		Physics	Lab	(1)
						0.1		Part I	_, ,		
					PHYS	21	<u>&amp;</u>	General	-		(3)
					  PHYS	91т		Lecture	Part II Physics	Tab	/ 1 N
					   FHIS	2 I II		Part II	FILASTCS	цар	(1)
					I						

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.

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#### 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 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <a href="UC Transfer">UC Transfer</a>
<a href="Admission webpage">Admission webpage</a>. In order to receive priority consideration it 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.

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

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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.

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

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

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2 	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO 2   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>	(5)	BIO 2   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2 	2.3		(5)
CHEM 2A	Ge	enl Chemistry	(5)	CHEM		General Chemistry	(5)
				<u>01</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Ge	enl Chemistry	(5)	CHEM	1A &	General Chemistry	(5)
				CHEM OF		General Chemistry	(5)
				CHEM	4A &	General Chemistry with Ouantitative Analysis	(5)
				CHEM	4B	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Oı	rganic Chem-Brief	(2)	CHEM	8	Introductory Organic Chemistry	(5)
CHEM 8B	Oı	rganic Chem-Brief	(4)	CHEM 	8	Introductory Organic Chemistry	(5)
MATH 17.	A (	Calculus for BioSci	(4)	NO CO	OURSE	ARTICULATED: College has	not

МАТН 17В	Calculus for Biosci	submitted course(s) for articulation (4)   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
	OR	OR
MATH 21A MATH 21B	Calculus Calculus	(4) MATH 1A Calculus, First Course (5) (4) MATH 1B Calculus, Second Course (5)
	Principles Physics Principles Physics	(3) NO COMPARABLE COURSE (3) NO COMPARABLE COURSE
		RECOMMENDED:
MATH 17C	Calculus for BioSci	(4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
	OR	OR
MATH 21C	Calculus	(4) MATH 1C Calculus, Third Course (4)
END OF MATO		

END OF MAJOR

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

#### Special Advising Note:

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

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

#### REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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 <u>strongly recommended</u> 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.

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<a href="Admission webpage">Admission webpage</a>. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO :   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>		BIO :   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2 	2.3	31 1	(5)
CHEM 2A	Gei	nl Chemistry	(5)	CHEM		General Chemistry	(5)
				CHEM	4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Ge	nl Chemistry	(5)	CHEM	1A <u>&amp;</u>	General Chemistry	(5)
				CHEM		General Chemistry	(5)
				CHEM	4A &	General Chemistry with Quantitative Analysis	(5)
				  CHEM	4B	General Chemistry with	(5)
						_	

CHEM 2C	Genl Chemistry	(5)	  CHEM   <u>OF</u>  CHEM	2	(	General (	tive Analysis Chemistry Chemistry with	(5) (5)
			CHEM	TD			tive Analysis	(3)
CHEM 8A	Organic Chem-Brief	(2)	   CHEM 	8		ntroductonemistry	ory Organic	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM	8	Ιı	ntroducto nemistry	ory Organic	(5)
	OR					OI		
CHEM 118A	Org Chem, Hlth & Sci						Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)					Chemistry	(5)
arrest 110a	0 011.1 - 0 -	( 4 )	CHEM	12B		Organic	Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM	12B		Organic	Chemistry	(5)
MATH 17A	Calculus for BioSci	(4)					ED: College ha for articulat	
MATH 17B	Calculus for Biosci	(4)	NO CC	DURSI	E AI	RTICULATI	ED: College ha for articulat	s not
MATH 17C	Calculus for BioSci	(4)					ED: College ha	
MAIII 17C	calculus for Broser	( = )					for articulat	
	OR					OI		1011
MATH 21A		(4)	MATH	1A	(	_	, First Course	(5)
MATH 21B	Calculus	(4)	MATH	1B	(	Calculus	, Second Cours	e (5)
PHYSICS 7A	General Physics	(4)	PHYS	20	<u>&amp;</u>	General	_	(3)
						Lecture		
			PHYS 	20L	<u>&amp;</u>	General Part I	Physics Lab	(1)
			PHYS	21	<u>&amp;</u>	General	Physics	(3)
							Part II	
			PHYS	21L			Physics Lab	(1)
						Part II		
PHYSICS 7B	General Physics	(4)	PHYS	20	<u>&amp;</u>	General		(3)
				0.0-	_	Lecture		(1)
			PHYS 	20L	<u>&amp;</u>	General Part I	Physics Lab	(1)
			PHYS	21	&		Physics	(3)
					_	Lecture	<del>-</del>	( - )
			PHYS	21L			Physics Lab	(1)
			İ			Part II	-	
PHYSICS 7C	General Physics	(4)	PHYS	20	<u>&amp;</u>	General	Physics	(3)
						Lecture		
			PHYS	20L	<u>&amp;</u>	General	Physics Lab	(1)
			[			Part I		
			PHYS	21	<u>&amp;</u>	General		(3)
			ļ	_			Part II	
			PHYS	21L			Physics Lab	(1)
	ly recommended that student		١			Part II		

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 1C Calculus, Third Course (4)

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

#### IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

The undergraduate major Fiber and Polymer Science in the College of Agricultural and Environmental Sciences is suspended for 2018-19 and TAGs will not be available. The minor in Fiber and Polymer Science remains available to applicants; however, the Textiles and Clothing major previously encouraged for applicant consideration is now suspended for 2018-19.

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

CHEM 2A	Genl	Chemistry	(5)	!			General Chemistry	(5)
				! -	<u>OR</u>			
				CHE	И 4A		General Chemistry with	(5)
							Quantitative Analysis	
CHEM 2B	Genl	Chemistry	(5)	CHE	м 1A	<u>&amp;</u>	General Chemistry	(5)
				CHE	И 1В	_	General Chemistry	(5)
				j (	OR			
				CHE	<u>ч</u> 4А	. &	General Chemistry with	(5)
				İ		_	Quantitative Analysis	
				CHE	и 4в		General Chemistry with	(5)
				i			Quantitative Analysis	
CHEM 2C	Genl	Chemistry	(5)	CHE	и 1в		General Chemistry	(5)
		<b>1</b>	( - )	(	OR			( - )
				! -	<u>—</u> и 4в		General Chemistry with	(5)
							Quantitative Analysis	( - )
B) ENG CS	15	Intro to Computers	(4)	cs !	5	Cor	mputer Literacy	(3)
_,		OR	( - /				OR	( - )
ENG CS 30	Pro	ogramming&Prob Solving	(4)	cs :	10		Introduction to	(4)
			( - /				Computer Programming	( - /
				(	OR		22	
				cs :	17.1	1	Java Programming	(3)
				,	- · • <del>-</del>	_		( - /

As of F18, Course Number = ENG CS 36A

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

MATH 16A	Short Calculus	(3)	MATH	1A		Calculus,	First Co	ourse	(5)
MATH 16B	Short Calculus	(3)	MATH	1B		Calculus,	Second (	Course	(5)
MATH 16C	Short Calculus	(3)	MATH	1B		Calculus,	Second (	Course	(5)
	OR					OR			
MATH 21A	Calculus	(4)	MATH	1A		Calculus,	First Co	ourse	(5)
MATH 21B	Calculus	(4)	MATH	1B		Calculus,	Second C	Course	(5)
MATH 21C	Calculus	(4)	MATH	1C		Calculus,	Third Co	ourse	(4)
PHYSICS 7A	General Physics	(4)	PHYS	20	&	General F	Physics		(3)
						Lecture F	Part I		
			PHYS	20L	&	General F	Physics I	Lab	(1)
						Part I			
			PHYS	21	&	General F	hysics		(3)
						Lecture F	Part II		
			PHYS	21L		General F	Physics I	Lab	(1)
						Part II			
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General F	Physics		(3)
						Lecture F	Part I		

			PHYS	20L	& General Physics Lab	(1)
			  PHYS	21	Part I  General Physics	(3)
			  PHYS	21L	Lecture Part II General Physics Lab	(1)
PHYSICS 7C	General Physics	(4)	  PHYS	20	Part II <u>&amp;</u> General Physics	(3)
			  PHYS	20L	Lecture Part I  General Physics Lab	(1)
			  PHYS	21	<del>_</del>	(3)
			  PHYS	21L	Lecture Part II General Physics Lab Part II	(1)
their communications series before series may		valen who ional	t to t transi phys:	the e fer w	entire physics series at entire UC Davis Physics 7A/ without completing an entir courses upon arrival at UC	
F117 2 1 0 2 .	OR				OR	
PHYSICS 9A	Classical Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for	(4)
PHYSICS 9C	Classical Physics	(5)	  PHYS 		Magnetism for Scientists and	(4)
					Engineers	
STATIST 13	Elementary Statistics: STATIST 13Y			15	Elementary Statistics	
			FASH		Introductory Textiles	
TEX&CL 8	Textile Apparel Ind OR	(4)	NO CO	OMPAF	RABLE COURSE OR	
	Prop of Mats				Properties of Materials	(4)
	PREPARATIO	N FOR	GRADI	JATIC	ON:	
CHEM 128A	PREPARATION Organic Chemistry					(5)
	Organic Chemistry	(3)	СНЕМ	12A	Organic Chemistry	
	Organic Chemistry	(3)	СНЕМ	12A 12A	Organic Chemistry  & Organic Chemistry	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM  CHEM  CHEM	12A 12A 12B	Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5)
CHEM 128B CHEM 128C CHEM 129A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab	(3) (3) (3) (2)	CHEM CHEM CHEM CHEM	12A 12A 12B 12B 12A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5)
CHEM 128B CHEM 128C CHEM 129A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab	(3) (3) (3) (2) (2)	CHEM CHEM CHEM CHEM CHEM	12A 12A 12B 12B 12A 12A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5) (5)
CHEM 128B  CHEM 128C  CHEM 129A  CHEM 129B	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab	(3) (3) (3) (2) (2)	CHEM CHEM CHEM CHEM CHEM CHEM	12A 12A 12B 12B 12A 12A 12A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5) (5)
CHEM 128C CHEM 129A CHEM 129B	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab	(3) (3) (3) (2) (2)	CHEM CHEM CHEM CHEM CHEM CHEM	12A 12B 12B 12B 12A 12A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5) (5)
CHEM 128B  CHEM 128C  CHEM 129A  CHEM 129B	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab	(3) (3) (2) (2)	CHEM  CHEM  CHEM  CHEM  CHEM  CHEM	12A 12B 12B 12B 12A 12A 12B	Organic Chemistry  Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5) (5)
CHEM 128B  CHEM 128C  CHEM 129A  CHEM 129B	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab	(3) (3) (2) (2)	CHEM  CHEM  CHEM  CHEM  CHEM  CHEM	12A 12B 12B 12B 12A 12A 12B	Organic Chemistry  Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	(5) (5) (5) (5) (5) (5)
CHEM 128B  CHEM 128C  CHEM 129A  CHEM 129B   ECON 1A  ECON 1B	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab Princ of Microecon  Princ of Macroecon	(3) (3) (2) (2) (2) FIVE (4)	CHEM   CHEM   CHEM   CHEM   CHEM   CHEM   ECON   ECON	12A 12B 12B 12A 12A 12B 	Organic Chemistry  Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Principles of Microeconomics Principles of Macroeconomics	(5) (5) (5) (5) (5) (5) 
CHEM 128B  CHEM 128C  CHEM 129A  CHEM 129B   ECON 1A  ECON 1B   MATH 22A	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chem Lab Organic Chem Lab  Princ of Microecon  Princ of Macroecon  Linear Algebra	(3) (3) (2) (2) (2)  (4) (4) (4)	CHEM   CHEM   CHEM   CHEM   CHEM   CHEM   ECON   ECON   ECON	12A 12B 12B 12A 12A 12B 	Organic Chemistry  Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry Principles of Microeconomics Principles of	(5) (5) (5) (5) (5) (5) (

								- Differential	l Equations	
PL S	SCI	21	Computers	in	Technology	(3)   AGBU 	S 2	Agricultural Applications	-	(3)
END	OF	MAJOR								

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

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

COMUNCN 1	Intro Public Spkg	(4)	SPCH 1A 	Introduction to Public Speaking	(3)
MATH 16A	Short Calculus	(3)	Іматн 1а	Calculus, First Course	(5)
MATH 16B		. ,	l	Calculus, Second Course	. ,
			MATH 1B		
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A OR	General Chemistry	(5)
			CHEM 4A	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2B	Genl Chemistry	(5)	· —	General Chemistry	(5)
			CHEM 1B   OR	General Chemistry	(5)
			CHEM 4A &	General Chemistry with	(5)
				Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
			OR OR	a 1 ab ' 1 ' 1	<i>(</i> <b>-</b> <i>)</i>
			CHEM 4B	1	(5)
				Quantitative Analysis	
CHEM 8A	 Organic Chem-Brief	(2)	   CHEM 8	Introductory Organic	(5)
		( – )	l	Chemistry	( - )
	AND			AND	
CHEM 8B	Organic Chem-Brief	(4)	СНЕМ 8	Introductory Organic	(5)
				Chemistry	
	OR			OR	

CHEM 118A	Org Chem, Hlth & Sci  AND	(4)	CHEM	12A		Organic Chemistry  AND	(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM	12 <sub>A</sub>	2	Organic Chemistry	(5)
CHEN TIOD	org chem, mrem a ber	( - /	CHEM		_	Organic Chemistry	(5)
	OR			121		OR Organic Chemistry	(3)
CTTTN4 1007		(2)		107			<i>(</i> <b>-</b> <i>)</i>
CHEM 128A	Organic Chemistry	(3)	CHEM	12A		Organic Chemistry	(5)
	AND		!			AND	
CHEM 128B	Organic Chemistry	(3)	CHEM	12A	<u>&amp;</u>	Organic Chemistry	(5)
			CHEM	12B		Organic Chemistry	(5)
	AND					AND	
CHEM 129A	Organic Chem Lab	(2)	CHEM	12A		Organic Chemistry	(5)
PHYSICS 7A	General Physics	(4)	PHYS	20	&	General Physics	(3)
		( - /			_	Lecture Part I	( - )
			l Duvc	2ΩТ.	2.	General Physics Lab	(1)
			1	201	<u>u</u>	Part I	( _ /
				0.1			(2)
			PHYS	21	<u>&amp;</u>	General Physics	(3)
						Lecture Part II	
			PHYS	21L		General Physics Lab	(1)
			ļ			Part II	
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General Physics	(3)
						Lecture Part I	
			PHYS	20L	&	General Physics Lab	(1)
			İ			Part I	
			PHYS	21	&	General Physics	(3)
			İ		_	Lecture Part II	
			PHYS	21T		General Physics Lab	(1)
						Part II	( - /
PHYSICS 7C	General Physics	(4)	l Duvc	20	2-	General Physics	(3)
FIIIDICD /C	General Fliysics	( 1 )	LEIIID	20	<u>«</u>	Lecture Part I	(3)
				201	_		/1 \
			PHIS	201	<u>«</u>	General Physics Lab	(1)
				0.1	_	Part I	(2)
			PHYS	21	<u>&amp;</u>	General Physics	(3)
			ļ			Lecture Part II	
			PHYS	21L		General Physics Lab	(1)
						Part II	
It is highly	recommended that student	s coi	mplete	e an	en	tire physics series at	
their commun	ity college that is equiv	alen	t to t	the (	ent	ire UC Davis Physics 7A	/B/C
series befor	e transferring. Students	who	transf	fer v	wit:	hout completing an enti:	re
series may b	e required to take additi	onal	physi	ics	cou:	rses upon arrival at UC	
	ill need to meet with a U						
physics.							
FD S&T 50	Intro Food Preservation	(3)	NO CO	OMPA	RAB:	LE COURSE	
NUTR 10 D	iscoveries and Concepts	(3)	FDNT	10	:	Elementary Nutrition	
RECOMMENDE	D FOR STUDENTS INTENDING	TO P	URSUE	GRA	DUA'	TE OR PROFESSIONAL STUD	IES:

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

END OF MAJOR

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OR

(2) CHEM 12A & Organic Chemistry

CHEM 12B Organic Chemistry

AND

AND

(5)

(5)

(5)

CHEM 118C Org Chem, Hlth & Sci (4) CHEM 12B Organic Chemistry

CHEM 128C Organic Chemistry (3) CHEM 12B Organic Chemistry

OR

AND

AND

CHEM 129B Organic Chem Lab

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

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

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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

FRENCH 1	Elementary French	(5) FREN 1	Elementary French - Part (4)
FRENCH 2	Elementary French	(5) FREN 1 <u>&amp;</u>	Elementary French - Part (4) 1
		FREN 2	Elementary French - Part (4) 2
FRENCH 3	Elementary French	(5) FREN 2	Elementary French - Part (4) 2
FRENCH 21	Intermed French	(5) FREN 3	Intermediate French - (4) Part 1
FRENCH 22	Intermed French	(5) FREN 3 <u>&amp;</u>	<pre>Intermediate French - (4) Part 1</pre>
		FREN 4	<pre>Intermediate French Part (4) 2</pre>
FRENCH 23	Intermed French	(5) FREN 4	Intermediate French Part (4)

LINGUIS 1	Intro Linguistics	(4)   ENGL 25	Introduction to	(3)
			Language Study	

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.

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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.

# ${\tt AP}$ and ${\tt IB}$ examination credit policies are detailed in the UC Davis 2016-18

<u>General Catalog</u> . Quick reference charts for AP and IB are also available from our TAC website

<u>General Catalog</u> . Quick reference of available from our TAG website.		in and in are are
WOM STD 50 Intro Gender Studies	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
WOM STD 60 Feminist Critiques	(4)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
WOM STD 70 Sexual:Thry&Hist	(4)	PSYCH 3 Human Sexuality (3)
TWO COURSES	FROM '	THE FOLLOWING:
AF-AMST 10 Af-Am Culture & Soc	(4)	HIST 30 African-American (3)   History
AF-AMST 17 Women in Africa AMR STD 21 Objects & Everyday Li		NO COMPARABLE COURSE  NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
AMR STD 30 Amr Images Pop Cult		NO COMPARABLE COURSE
ANTHRO 2 Cultural Anthropology As of W17, units=5	(4)	ANTHRO 2 Cultural Anthropology (3)
ANTHRO 20 Comparative Cultures	(4)	ANTHRO 30 Anthropology of (3) Globalization
ANTHRO 30 Sexualities	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
A A STD 1 Hist Exp Asian Am A A STD 2 Contemp Issues of Asia		NO COMPARABLE COURSE
Americans CHICANO 10 Intro to Chic Std	(4)	HIST 26 History of Chicanos and (3)   Latinos from 1848 to   Present
CHICANO 21 Hlth Care Issues CHICANO 50 Chicano Culture		NO COMPARABLE COURSE  ENGL 33 ChicanoChicana Arts & (3)
COMPLIT 12 Intro Women Writers DRAMART 1 Theatre, Performance a		Literature  NO COMPARABLE COURSE  NO COMPARABLE COURSE
Culture ENGLISH 3 Intro to Lit	(4)	  ENGL 1B Literature and (3)
		Composition
i) HISTORY 72A Am Women & Gender	(4)	HIST 18.1 History of Women in (3)   the United States to 1877
i) HISTORY 72B Am Women & Gender	(4)	HIST 18.2 History of Women in (3) the United States Since 1877
HISTORY 85 Nat, Man&Mach/Amer N A STD 10 NA Experience	(4)	NO COMPARABLE COURSE NO COMPARABLE COURSE
N A STD 32 NA Music & Dance POL SCI 7 Law & Politics		NO COMPARABLE COURSE  NO COMPARABLE COURSE
PSYCH 1 General Psychology SCI&TEC 1 Intro Sci & Tech Std	(4) (4)	PSYCH 1A General Psychology (3)   NO COMPARABLE COURSE
SCI&TEC 20 Sci & Tec Std Methods SCI&TEC 32 Drugs, Science and Culture	, ,	NO COMPARABLE COURSE  NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
Same as: ANTHRO 32		
SOCIOL 2 Self and Society		SOC 3 Self and Society (3)
SOCIOL 3 Social Problems SOCIOL 11 Sociology of Labor and		SOC 2 Modern Social Problems (3)   NO COURSE ARTICULATED: College has not
Employment SOCIOL 30A Multicultural Societi	les (3)	submitted course(s) for articulation  NO COURSE ARTICULATED: College has not
SOCIOL 30B Multicultural Societi	les (3)	submitted course(s) for articulation   NO COURSE ARTICULATED: College has not

submitted course(s) for articulation

TEX&CL 7 Style & Cult Std (4) NO COMPARABLE COURSE

UWRITING 19 Wrtg Research Papers (4) ENGL 5 Advanced Composition and (3)

Critical Thinking

As of F17, Course Number = UWRITING 49

WOM STD 20 Cult Repr of Gndr (4) COUN 20 Sex and Gender (3)

END OF MAJOR

i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

### ====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 2018-19)

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 <u>strongly recommended</u> 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 <u>UC Transfer</u>

<u>Admission webpage</u>. In order to receive priority consideration it 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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## Transfer Admission Guarantee (TAG) Note:

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

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

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

BIOLSCI	2A	Intro Biology:Life Earth	e on (5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Eco & Evolution	ology (5)	BIO 2.2 <u>&amp;</u> 	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the of Life</pre>		BIO 2.2 &	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Gei	nl Chemistry	(5)	CHEM 1A   OR	General Chemistry	(5)
				CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Gei	nl Chemistry	(5)	CHEM 1A &	<del>-</del>	(5)
			CHEM 1B	General Chemistry	(5)	
				CHEM 4A &	General Chemistry with Quantitative Analysis	(5)
				CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)	
				CHEM 4B	General Chemistry with Quantitative Analysis	(5)
G11514 031		OR	(5)		OR	
CHEM 2A	i Ho	onors Genl Chemist	cy (5)	INO COURSE	ARTICULATED: College has	not

CHEM 2BH	Honors Genl Chemistry Honors Genl Chemistry		NO CC  submi  NO CC	OURSE tted OURSE	E ART d cou E ART	FICULATE urse(s) FICULATE	for arti ED: Colle for arti ED: Colle for arti	ege has culation ege has	not n not
CHEM 8A	Organic Chem-Brief	(2)	   CHEM 	8		troducto emistry	ory Organ	nic	(5)
CHEM 8B	Organic Chem-Brief	(4)	  CHEM 	8	Int		ory Orgar	nic	(5)
	OR		ļ			OI	-		
CHEM 118A	Org Chem, Hlth & Sci						Chemistr		(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM	12A	<u>&amp;</u> (	Organic	Chemistr	ΣY	(5)
			CHEM	12B	(	Organic	Chemistr	ĵУ	(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM	12B	(	Organic	Chemistr	У	(5)
MATH 17A	Calculus for BioSci	(4)					ED: Colle	_	
матн 17в	Calculus for Biosci	(4)	NO CC	URSE	E AR	TICULATE	for arti ED: Colle for arti	ege has	not
MATH 17C	Calculus for BioSci	(4)					ED: Colle		
MAIN 17C	carcaras for brober	(1)					for arti	_	
	OR					OI OI		caracic	711
MATH 21A		(1)	   M 20 177 ET	1 7\	C.	_	, First (	lourgo	/ E \
MATH 21A							, Filst ( , Second		
MAIN ZIB	caiculus	( + )	MAIII			aicuius,	, secona	COULSE	(3)
PHYSICS 7A	General Physics	(4)	PHYS	20	& (	General	Physics		(3)
		( - /			_	Lecture	_		(-,
			PHYS	20L			Physics	Lab	(1)
			İ		_	Part I	_		
			PHYS	21	& (	General	Physics		(3)
			İ		_ 1	Lecture	Part II		
			PHYS	21L	(	General	Physics	Lab	(1)
			Ì		I	Part II			
PHYSICS 7B	General Physics	(4)	PHYS	20	<u>&amp;</u> (	General	Physics		(3)
					I	Lecture	Part I		
			PHYS	20L			Physics	Lab	(1)
				0.1		Part I	-1 '		( 2 )
			PHYS	21			Physics		(3)
				01-			Part II	<b>-</b> 1	(1)
			PHYS	211		General Part II	Physics	Lab	(1)
DUVETCE 7C	Conoral Physics	(1)	   Duve	20			Dharaiaa		(2)
PHYSICS 7C	General Physics	( <del>4</del> )	PHYS	۷∠	_	Lecture	Physics		(3)
			  PHYS	2Ωт.			Part I Physics	T.ah	(1)
			  E11112	~∪⊔	_	Part I	THYSICS	цар	( _ /
			  PHYS	21			Physics		(3)
							Part II		( ) /
			  PHYS	21т.			Physics	Lab	(1)
						Part II			( - /
Tt is highl	w recommended that student	g	nnlate	an			sice cori	ec at	

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.

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#### RECOMMENDED:

MATH 21C Calculus (4) | MATH 1C Calculus, Third Course (4)

#### ====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 <a href="https://doi.org/10.1001/journal-normal

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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#### Transfer Admission Guarantee (TAG) Note:

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

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#### College Foreign Language Requirement Note:

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

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

Advanced Flacement (AF) and international baccalaureace (1B) Examination Note:

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\_\_\_\_\_\_ GEOLOGY 3 History of Life (3) NO COURSE ARTICULATED: College has not |submitted course(s) for articulation (1) NO COURSE ARTICULATED: College has not GEOLOGY 3L History of Life Lab |submitted course(s) for articulation c) GEOLOGY 50 Physical Geology (3) GEOL 1 The Earth a) GEOLOGY 50L Physical Geol Lab (2) GEOL 1L Geology Laboratory (1) GEOLOGY 60 Earth Materials:Intro (4) NO COMPARABLE COURSE \_\_\_\_\_\_ MATH 16A Short Calculus (3) | MATH 1A Calculus, First Course (5)

MATH 16B Short Calculus OR	(3)	MATH 1B	Calculus, Second Course	(5)
MATH 21A Calculus MATH 21B Calculus		MATH 1A  MATH 1B		(5) (5)
CHEM 2A Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
		<u>OR</u>  CHEM 4A 	General Chemistry with Quantitative Analysis	(5)
CHEM 2B Genl Chemistry	(5)	CHEM 1A &	General Chemistry General Chemistry	(5) (5)
		OR CHEM 4A &	General Chemistry with Quantitative Analysis	(5)
		CHEM 4B	General Chemistry with Quantitative Analysis	(5)
PHYSICS 7A General Physics	(4)	PHYS 20 &	General Physics Lecture Part I	(3)
		PHYS 20L &		(1)
		PHYS 21 &	General Physics Lecture Part II	(3)
		PHYS 21L	General Physics Lab Part II	(1)
PHYSICS 7B General Physics	(4)	PHYS 20 &	General Physics Lecture Part I	(3)
		PHYS 20L &	General Physics Lab	(1)
		PHYS 21 &	General Physics Lecture Part II	(3)
		PHYS 21L	General Physics Lab Part II	(1)
It is highly recommended that student their community college that is equiv series before transferring. Students series may be required to take additionable Davis, and will need to meet with a Uphysics.	valen who onal	t to the entransfer wing physics co	tire UC Davis Physics 7A thout completing an enti ourses upon arrival at UC	re
STATIST 13 Elementary Statistics Same as: STATIST 13Y	(4)	MATH 15	Elementary Statistics	(4)
OR	( 4 )	luo govenna	OR	
STATIST 32 Stat Anlys Thru Comp As of F18, title = Gateway to Data Sc		•		
RECOMMEN	IDED (	COURSES:		
PHYSICS 7C General Physics	(4)	PHYS 20 &	General Physics Lecture Part I	(3)
		PHYS 20L &	General Physics Lab Part I	(1)
		PHYS 21 &	General Physics Lecture Part II	(3)
		PHYS 21L	General Physics Lab Part II	(1)
END OF MAJOR		'		

 $_{\rm C})$  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.

q) If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

#### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal-no.1001

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

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

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\_\_\_\_\_\_ 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 1 The Earth (3) a) (2) GEOL 1L Geology Laboratory GEOLOGY 50L Physical Geol Lab 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 1A Calculus, First Course (5) MATH 21B Calculus (4) | MATH 1B Calculus, Second Course (5) MATH 21C Calculus (4) MATH 1C Calculus, Third Course (4)

CHEM	2A	Genl	Chemistry	(5)	CHEM		General Chemistry	(5)
					CHEM	4A	General Chemistry with Quantitative Analysis	(5)
CHEM	2B	Genl	Chemistry	(5)	CHEM	1A &	General Chemistry	(5)
					CHEM	1B	General Chemistry	(5)
					OI	2		
					CHEM	4A &	General Chemistry with	(5)
							Quantitative Analysis	
					CHEM	4B	General Chemistry with Quantitative Analysis	(5)

SELECT ONE OF THE FOLLOWING THREE OPTIONS:

#### GENERAL GEOLOGY OPTION:

Genl Chemistry	(5)	!		(	General Chemistry	(5)
		! <del>-</del>	_		<del>-</del>	(5)
Stat Anlys Thru	Comp (4)	NO CO	OMPAI	RAB:	LE COURSE	
title = Gateway to	Data Science	9				
General Physics	(4)	PHYS 	20	<u>&amp;</u>	General Physics Lecture Part I	(3)
		PHYS	20L	<u>&amp;</u>	General Physics Lab Part I	(1)
		PHYS	21	<u>&amp;</u>	General Physics Lecture Part II	(3)
		PHYS	21L		General Physics Lab Part II	(1)
General Physics	(4)	PHYS	20	<u>&amp;</u>	-	(3)
		PHYS	20L	<u>&amp;</u>	General Physics Lab	(1)
		PHYS	21	<u>&amp;</u>	General Physics	(3)
		PHYS	21L		General Physics Lab	(1)
General Physics	(4)	PHYS	20	<u>&amp;</u>	General Physics	(3)
		PHYS	20L	<u>&amp;</u>		(1)
		PHYS	21	<u>&amp;</u>		(3)
		İ			General Physics Lab Part II	(1)
	Stat Anlys Thru title = Gateway to General Physics  General Physics  General Physics	Stat Anlys Thru Comp (4) title = Gateway to Data Science General Physics (4)  General Physics (4)  General Physics (4)	CHEM  Stat Anlys Thru Comp (4) NO Contitle = Gateway to Data Science General Physics (4) PHYS PHYS PHYS PHYS PHYS PHYS PHYS PHYS	Stat Anlys Thru Comp (4) NO COMPANTITURE = Gateway to Data Science General Physics (4) PHYS 20 PHYS 21L PHYS 21L General Physics (4) PHYS 20 PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L PHYS 21L	Stat Anlys Thru Comp (4) NO COMPARAB title = Gateway to Data Science General Physics (4) PHYS 20 & PHYS 21L  General Physics (4) PHYS 20 & PHYS 21L  General Physics (4) PHYS 20 & PHYS 21L  General Physics (4) PHYS 20 & PHYS 21L  General Physics (4) PHYS 21 & PHYS 21L  General Physics (4) PHYS 21 & PHYS 21L  General Physics (4) PHYS 20 & PHYS 21L	CR CHEM 4B General Chemistry with Quantitative Analysis  Stat Anlys Thru Comp (4) NO COMPARABLE COURSE  title = Gateway to Data Science  General Physics (4) PHYS 20 & General Physics Lab Part I  PHYS 21 & General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 20L & General Physics Lab Part II  PHYS 20L & General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part I  PHYS 21L General Physics Lab Part II  PHYS 21L General Physics Lab Part II

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

		OR					OR	
PHYSICS 9	9A	Classical	Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9	9B	Classical	Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9	9C	Classical	Physics	(5)	PHYS	42	Electricity and Magnetism for Scientists and Engineers	(4)

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

#### RECOMMENDED COURSES:

<b>-</b>		MATH MATH		Calculus, Third Course Introduction to Linear Algebra	(4)
MATH 22B Differntl Equations	(3)	MATH		_	(3)
GEOCHEMISTRY/PI	ETRO	DLOGY	OPTI	ON:	
CHEM 2C Genl Chemistry	(5)	CHEM OI		General Chemistry	(5)
	 			General Chemistry with Quantitative Analysis	(5)
STATIST 32 Stat Anlys Thru Comp As of F18, title = Gateway to Data Science			OMPAR.	ABLE COURSE	
		MATH	1C	Calculus, Third Course	(4)
PHYSICS 9A Classical Physics	(5)   	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B Classical Physics	(5)   	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
RECOMMENDI	ED C	COURSI	ES:		
J		MATH		Introduction to Linear Algebra	(3)
PHYSICS 9C Classical Physics	(5)    	PHYS	42	Electricity and Magnetism for Scientists and	(4)
		 -		Engineers	
QUANTITATIVE/G	EOPE	HYSIC:	S OPT	ION:	
MATH 21D Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
_	į	MATH		Introduction to Linear Algebra	
PHYSICS 9A Classical Physics	(5)    	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B Classical Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C Classical Physics	(5)	PHYS	42	Electricity and Magnetism for Scientists and	(4)
	İ			Engineers	
RECOMMEND	ED C	COURSI	ES:		
MATH 22B Differntl Equations	(3)	MATH	2	Calculus, Fourth Course - Differential Equations	(3)
STATIST 32 Stat Anlys Thru Comp As of F18, title = Gateway to Data Science			OMPAR.	ABLE COURSE	
		CHEM OI		General Chemistry	(5)

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

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m q})$  If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.

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

#### Special Advising Note:

major 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.

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

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GERMAN 1	Elementary German	(5) GERM 1 	Elementary German - Part (4)
GERMAN 2	Elementary German	(5)   GERM 2	Elementary German - Part (4) 2
GERMAN 3	Elementary German	(5) GERM 3 	Intermediate German - (4) Part 1
GERMAN 20	Intermediate German	(4) GERM 4 	Intermediate German - (4) Part 2
GERMAN 21 GERMAN 22	Intermediate German Intermediate German	` '!	ARABLE COURSE

#### ====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.

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

### Education(GE) Note:

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

#### 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.

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GDISBIO	90	Intro Global Disease Bio	(1)	1	ARTICULATED: College has not course(s)for articulation
SCI&SOC	13	Disease and Society	(3)		ARTICULATED:College has not course(s)for articulation
BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u> 	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
				BIO 2.3	Fundamentals of Biology (5) (Botany and Ecology)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>	(5)	BIO 2.2 <u>&amp;</u>	-
				BIO 2.3	Fundamentals of Biology (5) (Botany and Ecology)
CHEM 2A	Gei	nl Chemistry	(5)	CHEM 1A	General Chemistry (5)
				CHEM 4A	General Chemistry with (5) Quantitative Analysis
CHEM 2B	Gei	nl Chemistry	(5)	CHEM 1A &	General Chemistry (5) General Chemistry (5)
				OR	•
				CHEM 4A <u>&amp;</u> 	General Chemistry with (5) Quantitative Analysis
				  CHEM 4B 	General Chemistry with (5) Quantitative Analysis
CHEM 2C	Ger	nl Chemistry	(5)	CHEM 1B	General Chemistry (5)

			<u>OI</u>   CHEM 	_	General Chemistry with (5) Quantitative Analysis
CHEM 8A	Organic Chem-Brief	(2)	CHEM	8	Introductory Organic (5) Chemistry
CHEM 8B	Organic Chem-Brief	(4)	CHEM	8	Introductory Organic (5) Chemistry
	OR				OR
CHEM 118A CHEM 118B	Org Chem, Hlth & Sci Org Chem, Hlth & Sci	(4)	CHEM	12A	Organic Chemistry (5)
CUEM IIOB	org chem, mich & sci	(4)			© Organic Chemistry (5) Organic Chemistry (5)
MATH 17A	Calculus for BioSci	(4)	•		E ARTICULATED: College has not d course(s) for articulation
MATH 17B	Calculus for Biosci	(4)			E ARTICULATED: College has not
		( - )			d course(s) for articulation
MATH 17C	Calculus for BioSci	(4)			E ARTICULATED: College has not
			submi	itted	d course(s) for articulation
DIVITOR 73					
PHISICS /A	General Physics	(4)	PHYS	20	
PHISICS /A	General Physics	(4)	į		Lecture Part I
PHISICS /A	General Physics	(4)	į		Lecture Part I  General Physics Lab (1)
PHISICS /A	General Physics	(4)	  PHYS 	20L	Lecture Part I
PHISICS /A	General Physics	(4)	  PHYS 	20L	Lecture Part I General Physics Lab Part I  (1)
PHISICS /A	General Physics	(4)	  PHYS 	20L 21	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1)
			PHYS PHYS PHYS PHYS	20L 21 21L	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II
	General Physics  General Physics		PHYS PHYS PHYS PHYS	20L 21 21L	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II  General Physics (3)
			PHYS PHYS PHYS PHYS	20L 21 21L 20	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II  General Physics Lab (3) Lecture Part I
			PHYS PHYS PHYS PHYS	20L 21 21L 20	Lecture Part I General Physics Lab (1) Part I General Physics (3) Lecture Part II General Physics Lab (1) Part II General Physics Lab Lecture Part I Lecture Part I
			PHYS PHYS PHYS PHYS	20L 21 21L 20 20L	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II  General Physics Lab (3) Lecture Part I  General Physics (3) Lecture Part I  General Physics Lab (1) Part I  General Physics Lab (1) Part I  General Physics (3)
			PHYS PHYS PHYS PHYS PHYS PHYS	20L 21 21L 20 20L 21	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II  General Physics Lab (3) Lecture Part I  General Physics Lab (1) Part I  General Physics Lab (1) Part I  General Physics Lab (1) Part I  Lecture Part I  Lecture Part II
			PHYS PHYS PHYS PHYS PHYS	20L 21 21L 20 20L 21	Lecture Part I  General Physics Lab (1) Part I  General Physics (3) Lecture Part II General Physics Lab (1) Part II  General Physics Lab (3) Lecture Part I  General Physics (3) Lecture Part I  General Physics Lab (1) Part I  General Physics Lab (3) Lecture Part I  Lecture Part I  Lecture Part II

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.

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#### PREPARATION FOR GRADUATION:

STATIST 13 Elementary Statistics (4) | MATH 15 Elementary Statistics (4) | Same as: STATIST 13Y |

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 <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

Five lower-division courses, including at least two from one of the following fields, one from a second field, and one from a third field. The fifth course can be taken from any field:

#### A.AFRICAN AND MIDDLE EAST HISTORY

HISTORY 15	Intro to Middle East Intro African Hist ntinued as of S18	(4)   HIST 5 History of the Modern (3)   Middle East (4)   NO COMPARABLE COURSE
	B. ASIAN	HISTORY
HISTORY 6	Intro to Middle East	(4)   HIST 5 History of the Modern (3) Middle East
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. EUROPEA	N HISTORY

HISTORY 3	Cities: Survey of World	(4) NO COMPARABLE COURSE	
	Cultures		
HISTORY 4A	Western Civ	(4) HIST 4.1 History of Western	(3)

HISTORY 4B Western Civ	(4)	    HIST 4      HIST 4	.1 <u>&amp;</u> 2	Civilization to 1648 C.E. History of Western Civilization to 1648 C.E. History of Western	(3)
HISTORY 4C Western Civ	(4)	    HIST 4   	1.2	Civilization from 1648 C.E. History of Western Civilization from 1648 C.E.	(3)
D. 1	LATIN AMERICAN	HISTOR	RY		
HISTORY 7A Latin America HISTORY 7B Latin America HISTORY 7C Latin America 1900-Present	(4)	NO COM	IPARABL 3.2		(3)
	E. U.S. HI	STORY			
i) HISTORY 17A U.S. History		j		History of the United States to 1877	
i) HISTORY 17B U.S. Histo		İ		1877	(3)
i) HISTORY 72A Am Women 8	Gender (4)	HIST 1   	.8.1	History of Women in the United States to 1877	(3)
HISTORY 18A Race in Americ	ca to 1865 (4)	NO COU	JRSE AR	TICULATED	
i) HISTORY 72B Am Women 8	Gender (4)	  HIST 1   	.8.2	History of Women in the United States Since 1877	(3)
	F. WORLD HI	STORY			
HISTORY IOB World History 1350-1850	7 (4)	    HIST I	2	World History to 1500 World History since 1500 C.E.	(3)
HISTORY 10C World History	y III (4)	    urpr	4	World History since 1500 C.E.	(3)

i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined - maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

#### ====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 <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

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

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

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

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AP and IB examination credit policies are detailed in the UC Davis 2016-18

 $\underline{\text{General Catalog}}$  . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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Select	two	of	the	following	courses
ретесг	LWO	$o_{T}$	LHe	TOTTOWING	courses

ANTHRO 1	Human Evol Biol	(4)	ANTHRO 1	Biological (3) Anthropology
ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)	ANTHRO 2	Cultural Anthropology (3)
		(5)		ARTICULATED: College has not course(s) for articulation
	Select on	e co	urse from:	
BIOLSCI 2A	Intro Biology:Life on Earth <b>OR</b>	(5)	BIO 2.1 	Fundamentals of Biology (5) (Cell and Molecular) OR
BIOLSCI 10	Everyday Biology	(4)	  BIO 10 	Introduction to (4) Principles of Biology
	OR		<u>OR</u>  BIO 12 	Basic Concepts of (3) Ecology OR
MIC BIO 10	_	(3)		ARTICULATED: College has not course(s) for articulation  OR
NE PH B 12	Human Brain and Disease	(3)		ARTICULATED: College has not course(s) for articulation
MOL&CB 10	Intro Human Heredity	(4)		ARTICULATED: College has not course(s)for articulation
	Select on	e co	urse from:	
i) HISTORY	-	(4)	HIST 17.1 	States to 1877
i) HISTORY		(4)	  HIST 17.2 	OR U.S. History from (3) 1877
i) HISTORY	OR 72A Am Women & Gender	(4)	  HIST 18.1   	OR History of Women in (3) the United States to 1877
i) HISTORY	OR 72B Am Women & Gender OR	(4)	  HIST 18.2   	OR History of Women in (3) the United States Since 1877 OR
POL SCI 1	_	(4)	1	Introduction to United (3) States Government
	Select two of the	e fo		ırses:
PHILOS 5	Critical Reasoning	(4)	PHIL 3   <b>OR</b>	Critical Thinking (3)
			PHIL 5	Critical (3) Thinking/Writing
	Intro to Bioethics Intro Philos of Sci Scientific Reason	(4)	NO COMPARA	ABLE COURSE ABLE COURSE

	Scientific Change Intro Philos of Biol		!
NE PH B 10	Elem Human Physio	(3)	PHYSIO 1 Human Physiology (5)
PSYCH 1	General Psychology	(4)	PSYCH 1A General Psychology (3)
	Select one of the	foll	owing options:
PSYCH 41	Research Methods	(4)	PSYCH 1B Introduction to (3)
			Psychological Research
			Methods
	OR		OR
SOCIOL 46A	Intro Social Rsch	(4)	NO COMPARABLE COURSE
	AND		AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
	OR		OR
STATIST 10	Statist Thinking	(4)	NO COMPARABLE COURSE
	OR		OR
STATIST 13	Elementary Statistics	(4)	MATH 15 Elementary Statistics (4)
Same as:	STATIST 13Y		

 UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

#### ====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 <a href="https://doi.org/10.1001/journal.com/highly recommended">https://doi.org/10.1001/journal.com/highly recommended</a> 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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#### Transfer Admission Guarantee (TAG) Note:

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

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

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

Davis 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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# 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 &	Fundamentals of Biology (Evolution, Genetics,	(5)
			  BIO 2.3 	<pre>and Zoology) Fundamentals of Biology (Botany and Ecology)</pre>	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A OR	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
			! <del></del>	General Chemistry with	(5)

CHEM 2C	Genl Chemistry	(5)	  CHEM    CHEM		Quantitative Analysis General Chemistry with Quantitative Analysis General Chemistry	(5) (5)
			<u>01</u>   CHEM 		General Chemistry with Quantitative Analysis	(5)
PHYSICS 9A	Classical Physics	(5)	   РНҮЅ 	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS   	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS   	42	Electricity and Magnetism for Scientists and Engineers	(4)
MATH 21A	Calculus	(4)	   MATH	1 A	Calculus, First Course	(5)
MATH 21B	Calculus	. ,	MATH		Calculus, Second Course	. ,
MATH 21C	Calculus		MATH		Calculus, Third Course	(4)
MATH 21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
MATH 22A	Linear Algebra	(3)	MATH	5	Introduction to Linear Algebra	(3)
MATH 22B	Differntl Equations	(3)	MATH	2	Calculus, Fourth Course - Differential Equations	(3)
c) GEOLOGY	50 Physical Geology	(3)	GEOL	1	The Earth	(3)
<b>1</b> ,	Physical Geol Lab	(2)	GEOL	1L	Geology Laboratory	(1)
ENGIN 6	Engr Prob Solving	(4)	ENGR 	6	Programming in MATLAB for Engineers	(3)

- $_{\rm C})$  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.
- ${\tt q})$  If a student takes GEOL 1 at Santa Rosa Junior 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 <a href="https://doi.org/10.1001/journal-normal

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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GPA and other requirements to obtain a UC Davis TAG 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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#### Intersegmental General Education Transfer Curriculum (IGETC)/ UC Davis General Education(GE) Note:

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

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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

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	Development		
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE
	Soils in Our Environment	(3)	NO COMPARABLE COURSE 
ECON 1A		(4)	ECON 2 Principles of (3)   Microeconomics
ECON 1B	AND Princ of Macroecon	(4)	AND  ECON 1 Principles of (3)   Macroeconomics
	: STATIST 13Y	(4)	MATH 15 Elementary Statistics (4)
SOCIOL 46B	<b>OR</b> Intro Social Rsch	(5)	OR  NO COMPARABLE COURSE
MATH 16A	Short Calculus	(3)	MATH 1A Calculus, First Course (5)
CM&RGDE 1	The Community	(4)	NO COMPARABLE COURSE
	~		FROM THE FOLLOWING:
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COMPARABLE COURSE
AN SCI 41	Pop,Envr,World Agri	(4)	
	Pop,Envr,World Agri Domestic Ani Prod	(4) (2)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not
AN SCI 41	Pop,Envr,World Agri Domestic Ani Prod	(4) (2) (2)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not   submitted course(s)for articulation
AN SCI 41	Pop,Envr,World Agri Domestic Ani Prod Domest An Prod Lab	(4) (2) (2)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not
AN SCI 41 AN SCI 41L	Pop,Envr,World Agri Domestic Ani Prod Domest An Prod Lab	(4) (2) (2)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
AN SCI 41 AN SCI 41L CM&RGDE 20 NUTR 10	Pop, Envr, World Agri Domestic Ani Prod Domest An Prod Lab Food Systems Discoveries and Concepts	(4) (2) (2) (4)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not   submitted course(s)for articulation   NO COURSE ARTICULATED: College has not   submitted course(s)for articulation   FDNT 10 Elementary Nutrition (3)
AN SCI 41 AN SCI 41L CM&RGDE 20 NUTR 10 PL SCI 1	Pop, Envr, World Agri Domestic Ani Prod Domest An Prod Lab Food Systems Discoveries and Concepts Agr Nature & Society	(4) (2) (2) (4) (3) (3)	NO COMPARABLE COURSE
AN SCI 41 AN SCI 41L CM&RGDE 20 NUTR 10	Pop, Envr, World Agri Domestic Ani Prod Domest An Prod Lab Food Systems  Discoveries and Concepts Agr Nature & Society Intro Sustainable	(4) (2) (2) (4) (3) (3)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   FDNT 10 Elementary Nutrition (3)   NO COMPARABLE COURSE   NO COURSE ARTICULATED: College has not
AN SCI 41 AN SCI 41L CM&RGDE 20 NUTR 10 PL SCI 1 PL SCI 15	Pop, Envr, World Agri Domestic Ani Prod Domest An Prod Lab Food Systems  Discoveries and Concepts Agr Nature & Society Intro Sustainable Agriculture	(4) (2) (2) (4) (3) (3) (4)	NO COMPARABLE COURSE     ANSCI 20   Basic Animal Science (3)     NO COURSE ARTICULATED: College has not     submitted course(s) for articulation     NO COURSE ARTICULATED: College has not     submitted course(s) for articulation     FDNT 10   Elementary Nutrition (3)     NO COMPARABLE COURSE     NO COURSE ARTICULATED: College has not     submitted course(s) for articulation
AN SCI 41 AN SCI 41L CM&RGDE 20 NUTR 10 PL SCI 1 PL SCI 15	Pop, Envr, World Agri Domestic Ani Prod Domest An Prod Lab Food Systems  Discoveries and Concepts Agr Nature & Society Intro Sustainable	(4) (2) (2) (4) (3) (3) (4)	NO COMPARABLE COURSE   ANSCI 20 Basic Animal Science (3)   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   NO COURSE ARTICULATED: College has not   submitted course(s) for articulation   FDNT 10 Elementary Nutrition (3)   NO COMPARABLE COURSE   NO COURSE ARTICULATED: College has not

#### FOREIGN LANGUAGE REQUIREMENT:

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Students must complete 15-quarter-unit level in one language or pass the foreign language proficiency examination. See  $\frac{\text{http://l1c.ucdavis.edu/foreign-language-placement-exams}}{\text{exams}}.$ 

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

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	AREAS OF AGRICULTURAL		CIALIZATI			
BIOLSCI 2					Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2		(5)	BIO 2.2   	<u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.3		Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A		General Chemistry	(5)
			CHEM 4A		General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A	<u>&amp;</u>	General Chemistry	(5)
			CHEM 1B		General Chemistry	(5)
			CHEM 4A	<u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)

			CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
	TRADE AND ECONOM	IC D	EVELOPMENT (	OPTION:	
MATH 16B	Short Calculus	(3)	MATH 1B	Calculus, Second Course	(5)
SOCIOL 1	Intro Sociology <b>OR</b>	(5)	SOC 1 I	ntroduction to Sociology OR	(3)
ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)	ANTHRO 2	Cultural Anthropology	(3)
AGRESEC 15	Pop,Envr,World Agri	(4)	NO COMPARA	BLE COURSE	
	ENVIRONMEN	TAL	 ISSUES OPTI	 On:	
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u> 	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
ENV S&P 1	Env Analysis	(4)	ECON 12   	Introduction to Economics and the Environment	(3)
	RURAL COM	MUNI'	TIES OPTION	:	
SOCIOL 1	Intro Sociology	(5)	SOC 1 I	ntroduction to Sociology	(3)
ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)	ANTHRO 2	Cultural Anthropology	(3)

#### ====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 <a href="transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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

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

Davis 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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#### College Foreign Language Requirement Note:

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

available from our T	AG website.						
ANTHRO 2 Cultural As of W17, units=5	Anthropology	(4)	ANTHI	RO 2	Cultural	Anthropology	(3)
ECON 1A Princ of	DR Microecon	(4)	  ECON 		OR Principles Microeconor	of	(3)
ECON 1B Princ of	Macroecon	(4)	ECON	1	Principles Macroecono		(3)
HISTORY 4C Wester		(4)	HIST   	4.2	Civiliza C.E.	tion from 1648	
HISTORY 10C World	OR   History III	(4)	  HIST   		OR World His 1500 C.E	story since	(3)
POL SCI 2 Intro C	comp Politics	(4)				on to e Government	(3)
POL SCI 3 Interna	tl Relations	(4)	POLS	25	Internati	onal Relations	(3)
POL SCI 12Y Data Same as: COMUNCN SOCIOL 12Y	Visualization 12Y, PSYCH 12Y suk						not
STATIST 13 Element Same as: STATIST		(4)	  MATH 	15	OR Elementary		(4)
SOCIOL 46B Intro	o <b>R</b> Social Rsch	(5)	  NO C	OMPAR	OR ABLE COURSE		
POL SCI 51 Scient Politi	_	(4)				D: College has for articulati	

### 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
			sul	omitted	course(s) for	r articulation
ARABIC 2	Elem Arabic	(5)	NO	COURSE	ARTICULATED:	College has not

ARABIC 3	Elem Arabic	(5)	submitted course(s) for articulation  NO COURSE ARTICULATED: College has not
ARABIC 21	Intermed Arabic	(5)	submitted course(s) for articulation  NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
As of S17 unapper ARABIC 22	Intermed Arabic	(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
As of S17, ARABIC 23		(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
As of F17,	units = 4 OR		OR
x) CHINESE x) CHINESE x) CHINESE x) CHINESE x) CHINESE x) CHINESE	1 Elem Chinese 2 Elem Chinese 3 Elem Chinese 4 Inter Chinese 5 Inter Chinese	(5) (5) (5) (5)	NO COMPARABLE COURSE    NO COURSE    NO COUR
x) CHINESE x) CHINESE x) CHINESE	2CN Mand/Cant Spkrs II	(5)	NO COMPARABLE COURSE NO COMPARABLE COURSE NO COMPARABLE COURSE OR
x) CHINESE x) CHINESE	1BL Accl Wrtn Chinese I 2BL Accl Wrtn Chinese		NO COMPARABLE COURSE
x) CHINESE	II 3BL Accl Wrtn Chinese III	(5)	  NO COMPARABLE COURSE 
FRENCH 1	OR Elementary French	(5)	OR  FREN 1 Elementary French - Part (4)   1
FRENCH 2	Elementary French	(5)	FREN 1 & Elementary French - Part (4)
			1  FREN 2 Elementary French - Part (4)   2
FRENCH 3	Elementary French	(5)	FREN 2 Elementary French - Part (4)   2
FRENCH 21	Intermed French	(5)	FREN 3 Intermediate French - (4) Part 1
FRENCH 22	Intermed French	(5)	FREN 3 & Intermediate French - (4)   Part 1
			FREN 4 Intermediate French Part (4)
GEDMAN 1	OR	<i>(</i> <b>-</b> <i>)</i>	OR
GERMAN 1	Elementary German		GERM 1
GERMAN 2	Elementary German		GERM 2
GERMAN 3	Elementary German	(5)	GERM 3
GERMAN 20	Intermediate German	(4)	GERM 4
GERMAN 21	Intermediate German OR	(4)	NO COMPARABLE COURSE OR
HEBREW 1	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not
HEBREW 2	Elem Hebrew	(5)	submitted course(s)for articulation  NO COURSE ARTICULATED: College has not
HEBREW 3	Elem Hebrew	(5)	submitted course(s) for articulation   NO COURSE ARTICULATED: College has not
HEBREW 21	Intermediate Modern Hebrew I	(5)	submitted course(s) for articulation  NO COURSE ARTICULATED: College has not  submitted course(s) for articulation

Hebrew 11	As of F17,	units = 4			
HERREW 23	HEBREW 22	Intermediate Modern Hebrew II	(5)		
Hebrew III				1	
HIN-URD 1 Elem Hindi/Urdu II (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation HIN-URD 2 Elem Hindi/Urdu III (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 but submitted course(s) for articulation with submitted course(s) for articulation about submitted course(s) for articulation with submitted course(s) for articulation as of F17, units = 4  HIN-URD 22 Intermed Hindi/Urdu III (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation about submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulation submitted course(s) for articulatio	HEBREW 23	Hebrew III	(5)		course(s) for articulation
HIN-URD 2 Elem Hindi/Urdu II	HIN-URD 1		(5)		ARTICULATED: College has not
HIN-URD 3   Elem Hindi/Urdu III   S	HIN-URD 2	Elem Hindi/Urdu II	(5)	NO COURSE	ARTICULATED: College has not
HIN-URD 21 Intermed Hindi/Urdu II	HIN-URD 3	Elem Hindi/Urdu III	(5)	NO COURSE	ARTICULATED: College has not
HIN-URD 22	HIN-URD 21	Intermed Hindi/Urdu	(5)	NO COURSE	ARTICULATED: College has not
As of F17, units = 4  HIN-URD 23	As of F17,	units = 4		'	
HIN-URD 23		·	(5)		
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Submitted course(s) for articulation				į	Part 2
ITALIAN 8B Italian Convers (3) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  OR  Y) JPNESE 1 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 2 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 3 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 4 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 5 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation  Y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not	1111111111 011	rearrain convers	(3)		
y) JPNESE 1 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 2 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 3 Elem Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 4 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 5 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not	ITALIAN 8B	Italian Convers	(3)	NO COURSE	ARTICULATED: College has not
submitted course(s) for articulation y) JPNESE 2					
submitted course(s) for articulation y) JPNESE 3	_			submitted	course(s) for articulation
submitted course(s) for articulation y) JPNESE 4	_	-		submitted	course(s) for articulation
y) JPNESE 4 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 5 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not	y) JPNESE	3 Elem Japanese	(5)		
y) JPNESE 5 Inter Japanese (5) NO COURSE ARTICULATED: College has not submitted course(s) for articulation y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not	y) JPNESE	4 Inter Japanese	(5)	NO COURSE	ARTICULATED: College has not
y) JPNESE 6 Inter Japanese (5) NO COURSE ARTICULATED: College has not	y) JPNESE	5 Inter Japanese	(5)	NO COURSE	ARTICULATED: College has not
	y) JPNESE	6 Inter Japanese	(5)	NO COURSE	ARTICULATED: College has not

	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		j	OR
RUSSIAN 1	<b>OR</b> Elementary Russian	(5)	  NO COURSE	OR ARTICULATED: College has not
RUSSIAN 1	*==	(5)	!	<b>01</b> .
RUSSIAN 1	*==	(5) (5)	submitted	ARTICULATED: College has not
	Elementary Russian		submitted NO COURSE	ARTICULATED: College has not course(s) for articulation
	Elementary Russian		submitted NO COURSE submitted	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not
RUSSIAN 2	Elementary Russian Elementary Russian	(5)	submitted NO COURSE submitted NO COURSE	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation
RUSSIAN 2	Elementary Russian Elementary Russian	(5)	submitted NO COURSE submitted NO COURSE submitted	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not
RUSSIAN 2 RUSSIAN 3	Elementary Russian Elementary Russian Elementary Russian	(5) (5)	submitted NO COURSE submitted NO COURSE submitted NO COURSE	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation
RUSSIAN 2 RUSSIAN 3	Elementary Russian Elementary Russian Elementary Russian	(5) (5)	submitted NO COURSE submitted NO COURSE submitted NO COURSE submitted submitted	ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not course(s) for articulation ARTICULATED: College has not

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

	OR		OR
SPANISH 1	Elementary Spanish	(5)	SPAN 1 Elementary Spanish - (4)
			Part 1
SPANISH 2	Elementary Spanish	(5)	SPAN 1 & Elementary Spanish - $(4)$
			Part 1
			SPAN 2 Elementary Spanish - (4)
			Part 2
SPANISH 3	Elementary Spanish	(5)	SPAN 2
			Part 2
SPANISH 21	Intm Spanish	(5)	SPAN 3 Intermediate Spanish - (4)
			Part One
SPANISH 22	Intm Spanish	(5)	SPAN 4 Intermediate Spanish - (4)
			Part 2
	OR		OR
SPANISH 31	Int Span Nat Spk I	(5)	NO COMPARABLE COURSE
SPANISH 32	Int Span Nat Spk II	. ,	NO COMPARABLE COURSE
SPANISH 33	Int Span Nat Spk III	(5)	NO COMPARABLE COURSE

Advising Note: Transfer students are strongly encouraged to review the structure of the major and be cognizant of any changes made to the curriculum of the program and/or specific tracks within the major. Certain upper-division courses require completion of prerequisite courses. In addition, the international relations major offers several options for completing upper-division coursework for the major. There are upper-division economics courses in some of the options that require calculus as a prerequisite. Consult the UC Davis General Catalog, available online, or consult an advisor to learn if the option you will choose contains economics courses with a calculus prerequisite.

END OF MAJOR

 $\mathbf{x}$ ) 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 <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

ITALIAN 1	Elementary Italian	(5) ITAL 1	Elementary Italian -	(4)
ITALIAN 2	Elementary Italian	(5) ITAL 1 <u>&amp;</u>	Elementary Italian -	(4)
		  ITAL 2	Part 1 Elementary Italian -	(4)
ITALIAN 3	Elementary Italian	(5) ITAL 2	Part 2 Elementary Italian -	(4)

				Part 2	
ITALIAN 4	Interm Italian	(4)	ITAL 3	Intermediate Italian -	(4)
				Part 1	
ITALIAN 5	Interm Italian	(4)	ITAL 3 <u>&amp;</u>	Intermediate Italian -	(4)
				Part 1	
			ITAL 4	Intermediate Italian -	(4)
				Part 2	
ITALIAN 9	Reading Italian	(4)	ITAL 4	Intermediate Italian -	(4)
				Part 2	

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.

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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.

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#### 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 <a href="Japanese placement exams">Japanese placement exams</a> and also information regarding <a href="foreign language placement exams">foreign language placement exams</a>. For more information, check with your UC Davis College Dean's Office or department advisor upon enrollment.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18 $\underline{\text{General Catalog}}$ . Quick reference charts for $\underline{\text{AP}}$ and $\underline{\text{IB}}$ are also available from our TAG website.

y)	JPNESE	1	Elem Japanese	(5)		ARTICULATED: College has not course(s) for articulation
y)	JPNESE	2	Elem Japanese	(5)	NO COURSE	ARTICULATED: College has not course(s) for articulation
y)	JPNESE	3	Elem Japanese	(5)	NO COURSE	ARTICULATED: College has not course(s) for articulation
y)	JPNESE	4	Inter Japanese	(5)	NO COURSE	ARTICULATED: College has not
y)	JPNESE	5	Inter Japanese	(5)	NO COURSE	course(s) for articulation ARTICULATED: College has not
y)	JPNESE	6	Inter Japanese	(5)	NO COURSE	<pre>course(s) for articulation ARTICULATED: College has not course(s) for articulation</pre>

#### RECOMMENDED COURSES FOR THIS MAJOR:

JPNESE 10	Masterworks in English	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
JPNESE 25	Language & Culture (in	(4)	NO COURSE ARTICULATED: College has not
	English)		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
CHINESE 50	Intro to Literature	(4)	NO COMPARABLE COURSE
Same as:	JPNESE 50		
LINGUIS 1	Intro Linguistics	(4)	ENGL 25 Introduction to (3)
			Language Study
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  $\underline{\text{highly recommended}}$  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

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#### 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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

available ii	Om Our TAG Website.				
COMUNCN 1	Intro Public Spkg	(4)	SPCH 1A 	Introduction to Public Speaking	(3)
ENGLISH 3	Intro to Lit	(4)	  ENGL 1B   	Literature and Composition OR	(3)
UWRITING 1	Expository Writing OR	(4)	  ENGL 1A 	<del>* = -</del>	(4)
	Style in the Essay ourse Number = UWRITING OR		NO COMPAR	ABLE COURSE OR	
UWRITING 19	_	(4)	  ENGL 5 	Advanced Composition and Critical Thinking	(3)
As of F17, C	ourse Number = UWRITING	49			
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	  BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u>   	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.3	51,	(5)
ENVHORT 6	Intro Environ Plants	(4)	HORT 8     <b>OR</b>	Plant Materials: Summer/Fall	(3)
			<u>OR</u>  HORT 12 	Plant Materials: Winter/Spring	(3)
	ONE COURSE F	ROM TI	HE FOLLOWT	NG •	

#### ONE COURSE FROM THE FOLLOWING:

MATH 16A STATIST 13	Short Calculus Elementary Statistics	(3) MATH 1 (4) MATH 1	•	irst Course Statistics	
Same as:	STATIST 13Y				
ENG CS 10	Intro to Programming	(4) NO COU	RSE ARTICULATED:	College has	not
		submit	ted course(s)for	articulation	1

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.

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CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry (5)
			OR
			CHEM 4A General Chemistry with (5)
			Quantitative Analysis
CHEM 10	Concept of Chem	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
PHYSICS 1A	Principles Physics	(3)	NO COMPARABLE COURSE
PHYSICS 10	Topics,Nonscientists	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s)for articulation
q) GEOLOGY	1 The Earth	(4)	GEOL 1 The Earth (3)
SOILSCI 10	Soils in Our	(3)	NO COMPARABLE COURSE
	Environment		
LND ARC 1	Intro Environ Design	(4)	NO COMPARABLE COURSE
LND ARC 2	Place, Culture, Community	(4)	NO COMPARABLE COURSE
LND ARC 3	Sustainable Development	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
LND ARC 21	Design Visualization	(5)	NO COMPARABLE COURSE
As of F17,	units = 4		
As of F17,	title = Land Rep I		
LND ARC 30	History Environ Design	(4)	NO COMPARABLE COURSE
LND ARC 50	Site Ecology	(4)	NO COMPARABLE COURSE
LND ARC 60	Landform Grading Studio	(6)	NO COMPARABLE COURSE
LND ARC 70	Introduction to	(5)	NO COMPARABLE COURSE
	Spacemaking		
As of F17,	units = 4		

Two courses in Arts and Humanities selected from the UC Davis GE/Breadth

Articulation Agreement TB: Arts and Humanities.

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

END OF MAJOR

q) If a student takes GEOL 1 at Santa Rosa Junior 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:

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#### Education(GE) Note:

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#### College Foreign Language Requirement Note:

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LINGUIS 1 Intro Linguistics (4) ENGL 25 Introduction to (3)
Language Study

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

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END OF MAJOR

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

#### 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.

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4) SPCH 1A	Introduction to Public Speaking	(3)
	OR		OR	
COMUNCN 3	Intprsnl Com Cmpetnce	(4) COMM 6	Interpersonal Communication	(3)
AGRESEC 18	Business Law	(4) BAD 18	The Legal Environment of	(3)

			 		Business	
ECON 1A	Princ of Microecon	(4)	ECON 	2	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON	1	Principles of Macroeconomics	(3)
PL SCI 21	Computers in Technology OR	(3)	   AGBU 	S 2	Agricultural Computer Applications OR	(3)
ENG CS 10	Intro to Programming  OR	(4)	!		ARTICULATED: College has course(s) for articulation	
B) ENG CS 1	*==	(4)	  CS 5 	C	omputer Literacy OR	(3)
ENG CS 30	Programming&Prob Solving	(4)	CS 1     <u>o</u>		Introduction to Computer Programming	(4)
			CS 1	7.11	Java Programming	(3)

As of F18, Course Number = ENG CS 36A

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 MGMT 11B	Elem Accounting Elem Accounting		BAD 1  BAD 2	Financial Accounting (4) Managerial Accounting (4)
MATH 16A MATH 16B MATH 16C	Short Calculus Short Calculus Short Calculus OR	(3)	MATH 1A MATH 1B MATH 1B	Calculus, First Course (5) Calculus, Second Course (5) Calculus, Second Course (5) OR
MATH 17A MATH 17B	Calculus for BioSci Calculus for Biosci	, ,	submitte	E ARTICULATED: College has not d course(s) for articulation E ARTICULATED: College has not
MATH 21A	OR Calculus		  MATH 1A	d course(s) for articulation  OR  Calculus, First Course (5)
	Calculus Elementary Statistics STATIST 13Y		MATH 1B   MATH 15 	Calculus, Second Course (5) Elementary Statistics (4)

#### END OF MAJOR

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

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

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

Transfer students must also meet UC transfer admission requirements. See the UC Transfer Admission website for details. UC Davis requires that students

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

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Students 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 <a href="http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/">http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/</a> for details regarding the marine and coastal science undergraduate major.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology:I	Life on	(5)	BIO	2.1	Fundamentals of Biology (5 (Cell and Molecular)	)
BIOLSCI	2B		Ecology	(5)	  BIO   	2.2 <u>8</u>	,	)
					BIO	2.3	Fundamentals of Biology (5 (Botany and Ecology)	)
BIOLSCI	2C	Intro Biology: Biodiversity &		(5)	BIO	2.2 <u>8</u>	Fundamentals of Biology (5 (Evolution, Genetics,	)
		of Life			  BIO 	2.3	and Zoology) Fundamentals of Biology (5 (Botany and Ecology)	)
CHEM 2A	Ge	nl Chemistry		(5)	   CHEM   <b>O</b> :		General Chemistry (5	)
					CHEM		General Chemistry with (5 Quantitative Analysis	)
CHEM 2B	Ge	nl Chemistry		(5)	CHEM	1A 8	General Chemistry (5	)
		_			CHEM	_	General Chemistry (5	)
					0	R	, ,	,
					_	4A 8	General Chemistry with (5 Quantitative Analysis	)
					CHEM	4B	General Chemistry with (5 Quantitative Analysis	)
CHEM 2C	Ge	nl Chemistry		(5)	CHEM O		General Chemistry (5	)
					CHEM	_4B	General Chemistry with (5 Quantitative Analysis	)
MATH 16A	A S	hort Calculus		(3)	MATH	1A	Calculus, First Course (5	)
MATH 16		hort Calculus		, ,	MATH		· ·	
MATH 160		hort Calculus			  MATH			
		OR		( - )	i		OR	,
MATH 17	A C	alculus for BioS	Sci	(4)			E ARTICULATED: College has no discourse(s) for articulation	t
MATH 17	3 C	alculus for Bios	sci	(4)	NO C	OURSE	E ARTICULATED: College has no course(s) for articulation	t
MATH 170	C C	alculus for Bios	Sci	(4)	NO C	OURSE	E ARTICULATED: College has no d course(s) for articulation	t

	OR						OI	ર		
MATH 21A	Calculus		(4)	MATH	1A		Calculus	. First C	Course	(5)
MATH 21B	Calculus		(4)	MATH	1B		Calculus	Second	Course	(5)
MATH 21C	Calculus		(4)	MATH	1C		Calculus	Third (	Course	(4)
PHYSICS 7A	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General	_		(3)
							Lecture		_	
				PHYS 	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
				PHYS	21	&	General	Physics		(3)
				İ			Lecture	Part II		
				PHYS	21L		General	Physics	Lab	(1)
							Part II			
PHYSICS 7B	General	Physics	(4)	PHYS	20	&	General	Physics		(3)
							Lecture			
				PHYS	20L	&	General	Physics	Lab	(1)
							Part I			
				PHYS	21	<u>&amp;</u>	General	Physics		(3)
							Lecture	Part II		
				PHYS	21L		General	Physics	Lab	(1)
							Part II			
PHYSICS 7C	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General	_		(3)
							Lecture			
				PHYS	20L	<u>&amp;</u>	General	Physics	Lab	(1)
							Part I			
				PHYS	21	&	General	-		(3)
							Lecture			
				PHYS	21L			Physics	Lab	(1)
							Part II			

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

	OR				OR	
PHYSICS 9A	Classical Physics	(5)	PHYS	40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS	41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS	42	Electricity and Magnetism for Scientists and Engineers	(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

# ====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 2018-19)

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 <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it 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 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 <a href="http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/">http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/</a> for details regarding the marine and coastal science undergraduate major.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO 2   	2.2 <u>&amp;</u>	,	(5)
				BIO 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>	. ,	BIO 2   	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
				BIO 2 	2.3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Gei	nl Chemistry	(5)	CHEM		General Chemistry	(5)
				CHEM	_	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Gei	nl Chemistry	(5)	CHEM	1A &		(5)
				CHEM OF		General Chemistry	(5)
				CHEM	4A &	General Chemistry with Quantitative Analysis	(5)
				CHEM 	4B	General Chemistry with Quantitative Analysis	(5)
CHEM 2C	Gei	nl Chemistry	(5)	CHEM OF		General Chemistry	(5)
		AND		CHEM	4B	General Chemistry with Quantitative Analysis <b>AND</b>	(5)
CHEM 8A	Org	ganic Chem-Brief	(2)	  CHEM 	8		(5)

CHEM 8B	Organic Chem-Brief	(4)	CHEM 	8	Introductory Organic (5) Chemistry
MATH 17A	Calculus for BioSci	(4)			ARTICULATED: College has not course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO CO	OURSE	ARTICULATED: College has not course(s) for articulation
MATH 17C	Calculus for BioSci	(4)	NO CO	OURSE	ARTICULATED: College has not course(s) for articulation
MARKET 013	OR	(4)		1 -	OR
	Calculus Calculus				Calculus, First Course (5) Calculus, Second Course (5)
PHYSICS 7	'A General Physics	(4)	   PHYS 	20	& General Physics (3) Lecture Part I
			  PHYS 	20L	General Physics Lab (1) Part I
			PHYS	21	<pre>General Physics (3) Lecture Part II</pre>
			  PHYS 	21L	
PHYSICS 7	B General Physics	(4)	PHYS	20	<pre>General Physics (3) Lecture Part I</pre>
			PHYS	20L	<pre>General Physics Lab (1) Part I</pre>
			PHYS	21	General Physics (3) Lecture Part II
			PHYS	21L	General Physics Lab (1) Part II
PHYSICS 7	C General Physics	(4)	PHYS	20	<pre>General Physics (3) Lecture Part I</pre>
			PHYS	201	<pre>General Physics Lab (1) Part I</pre>
			PHYS	21	<u>&amp;</u> General Physics (3)
	while wagammandad that atudant		  PHYS 		Lecture Part II General Physics Lab (1) Part II

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

	OR			OR
PHYSICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for (5) Scientists and Engineers
PHYSICS 9B	Classical Physics	(5)	PHYS 41   	Waves, Optics and (4) Thermodynamics for Scientists & Engineers
PHYSICS 9C	Classical Physics	(5)	PHYS 42     	Electricity and (4) Magnetism for Scientists and Engineers

### 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

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### END OF MAJOR

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

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal-no.1001

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

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### Transfer Admission Guarantee (TAG) Note:

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

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

The College of A&ES English Composition requirement for the Bachelor's degree is

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

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

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology: Earth	Life on	(5)	BIO 2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2В	Intro Biology: & Evolution	Ecology	(5)	BIO 2.2 <u>&amp;</u>   	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
					BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; of Life</pre>		(5)	BIO 2.2 &   	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
					BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Ger	nl Chemistry		(5)	CHEM 1A	General Chemistry	(5)
					CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Ger	nl Chemistry		(5)	CHEM 1A &	General Chemistry	(5)
					CHEM 1B	General Chemistry	(5)
					CHEM 1B	General Chemistry General Chemistry with	
					<u>OR</u>	General Chemistry  General Chemistry with  Quantitative Analysis	(5)

			<u>OR</u>  CHEM 4E 	В	General Chemistry with (5) Quantitative Analysis
MATH 16A	Short Calculus		MATH 1		Calculus, First Course (5)
MATH 16B	Short Calculus		MATH 1E		Calculus, Second Course (5)
MATH 16C	Short Calculus OR	(3)	MATH 1E	В	Calculus, Second Course (5) OR
MATH 17A	Calculus for BioSci	(4)	INO COLE	RSE Z	ARTICULATED: College has not
111111 1711	carcarab for brober	( 1 )			course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	1		ARTICULATED: College has not
			submitt	ted o	course(s) for articulation
MATH 17C	Calculus for BioSci	(4)	1		ARTICULATED: College has not
			submitt	ted o	course(s) for articulation
MARRIT 01a	OR Calaulua	(1)	   NAN COLT 17	7.	OR
MATH 21A MATH 21B	Calculus Calculus	( <del>4</del> )	MAIH IA  Math 1t	A. D	Calculus, First Course (5) Calculus, Second Course (5)
MATH 21C		(4)	MATH 10	C	Calculus, Third Course (4)
					,
PHYSICS 7A	General Physics	(4)	PHYS 20	<b><u>&amp;</u></b> 0	General Physics (3)
					Lecture Part I
			PHYS 20	0L <u>&amp;</u>	General Physics Lab (1)
			   DIII/G 01	1 .	Part I
			PHYS 21	1 <u>&amp;</u>	General Physics (3) Lecture Part II
			  PHYS 21	1 т.	General Physics Lab (1)
					Part II
PHYSICS 7B	General Physics	(4)	PHYS 20	<b>.</b>	General Physics (3)
			İ		Lecture Part I
			PHYS 20	0L <u>&amp;</u>	-
				_	Part I
			PHYS 21	⊥ <u>&amp;</u>	General Physics (3)
			  PHYS 21	1 т	Lecture Part II General Physics Lab (1)
			PHIS 21	111	Part II
PHYSICS 7C	General Physics	(4)	PHYS 20	<b></b>	General Physics (3)
	-	` '	İ	_	Lecture Part I
			PHYS 20	0L <u>&amp;</u>	General Physics Lab (1)
					Part I
			PHYS 21	1 <u>&amp;</u>	General Physics (3)
			   DIIV.C 01	1 +	Lecture Part II
			PHYS 21	LЬ	General Physics Lab (1)
+1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 .		Part II

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.

1 1	OR			OR	
PHYSICS 9A	Classical Physics	(5)	PHYS 40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 41   	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C	Classical Physics	(5)	PHYS 42     	Electricity and Magnetism for Scientists and Engineers	(4)

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

# ====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 <a href="https://doi.org/10.1001/journal.com/highly/recommended">highly recommended</a> that students complete chemistry courses before transferring. Preparing well for the major helps students move efficiently toward graduation and significantly reduces time to degree.

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

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Students 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 <a href="http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/">http://bml.ucdavis.edu/education/marine-coastal-science-undergraduate-major/</a> for details regarding the marine and coastal science undergraduate major.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

	110 041 1110022100.						
BIOLSCI 2A	21	(5)	BIO 2	2.1		Fundamentals of Biology	(5)
BIOLSCI 2B	Earth Intro Biology: Ecology	(5)	  BIO 2	2.2 <u>8</u>	<u>S-</u>	(Cell and Molecular) Fundamentals of Biology	(5)
	& Evolution					(Evolution, Genetics, and Zoology)	
			BIO 2	2.3		Fundamentals of Biology	(5)
BIOLSCI 2C	Intro Biology:	(5)	  BIO 2	2.2 <b>8</b>	S <sub>e</sub>	(Botany and Ecology) Fundamentals of Biology	(5)
	Biodiversity & the Tree of Life		į I	_		(Evolution, Genetics, and Zoology)	
	OI HITE		BIO 2	2.3		Fundamentals of Biology	(5)
			<u>i</u>			(Botany and Ecology)	
CHEM 2A	Genl Chemistry	(5)	CHEM			General Chemistry	(5)
			OF   CHEM	_		General Chemistry with	(5)
			CHEM	TA		Quantitative Analysis	(3)
CHEM 2B	Genl Chemistry	(5)	CHEM	1A &	Se.	General Chemistry	(5)
			CHEM			General Chemistry	(5)
			OI	-	_		<i>(</i> <b>-</b> <i>)</i>
			CHEM	4A &	<u>×</u>	General Chemistry with Quantitative Analysis	(5)
			  CHEM	4B		General Chemistry with	(5)
						Quantitative Analysis	( - )
CHEM 2C	Genl Chemistry	(5)	CHEM			General Chemistry	(5)
			CHEM	_		Consul Chamistan with	<b>( C )</b>
			CHEM	4B		General Chemistry with Quantitative Analysis	(5)
MATH 16A	Short Calculus	(3)	MATH	1A		Calculus, First Course	(5)
MATH 16B	Short Calculus		MATH			Calculus, Second Course	
MATH 16C	Short Calculus	(3)	MATH	1B		Calculus, Second Course	(5)
MATH 17A	<b>OR</b> Calculus for BioSci	(4)	INO CO	TIRSI	F. Z	OR ARTICULATED: College has	not
MAIII 17A	carcaras for brober	( 1 )				course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO CO	DURSI	E A	ARTICULATED: College has	not
						course(s) for articulation	
MATH 17C	Calculus for BioSci					ARTICULATED: College has	
	OR		Subiii	rtte	<b>1</b> C	course(s) for articulation  OR	)11
MATH 21A	Calculus	(4)	MATH	1A		Calculus, First Course	(5)
MATH 21B	Calculus	(4)	MATH	1B		Calculus, Second Course	(5)
MATH 21C	Calculus	(4)	MATH	1C		Calculus, Third Course	(4)
PHYSICS 7A	General Physics	(4)	   PHYS	20	<u>&amp;</u>	General Physics	(3)
						Lecture Part I	
			PHYS	20L	<u>&amp;</u>	General Physics Lab	(1)
			  PHYS	21	۶	Part I General Physics	(3)
					<u>~</u>	Lecture Part II	( ) )
			PHYS	21L		General Physics Lab	(1)
						Part II	
PHYSICS 7B	General Physics	(4)	PHYS	20	<u>&amp;</u>	-	(3)
			  PHYS	20τ.	۶.	Lecture Part I General Physics Lab	(1)
			1.11.12	201	<u>«</u>	Part I	( + )
			PHYS	21	<u>&amp;</u>		(3)

								Lecture	Part II		
					PHYS	21L		General	Physics	Lab	(1)
								Part II			
PHYSICS	7C	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General	Physics		(3)
								Lecture	Part I		
					PHYS	20L	<u>&amp;</u>	General	Physics	Lab	(1)
								Part I			
					PHYS	21	<u>&amp;</u>	General	Physics		(3)
							_	Lecture	Part II		
					PHYS	21L		General	Physics	Lab	(1)
								Part II			

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

	OR			OR	
PHYSICS 9A	Classical Physics	(5)   	PHYS 40	Classical Mechanics for Scientists and Engineers	(5)
PHYSICS 9B	Classical Physics	(5)	PHYS 41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C	Classical Physics	(5)     	PHYS 42	Electricity and Magnetism for Scientists and Engineers	(4)

### STRONGLY RECOMMENDED:

EVOL&EC 12	Life in the Sea				College has not articulation
GEOLOGY 16	The Oceans	(3)	NO COURSE submitted	ARTICULATED: course(s) for	College has not rarticulation

### END OF MAJOR

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

### 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 <a href="transfer admission website">transfer admission website</a> 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.

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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 our website for details regarding UC Davis TAG.

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### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018 <u>General Catalog</u>. Quick reference charts for  $\underline{AP}$  and  $\underline{IB}$  are also available from our TAG website.

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### REQUIRED FOR ADMISSION:

a)	MATH 21A	Calculus	(4)   MATH	1A	Calculus, First Course	(5)
a)	MATH 21B	Calculus	(4)   MATH	1B	Calculus, Second Course	(5)
a)	MATH 21C	Calculus	(4)   MATH	1C	Calculus, Third Course	(4)
a)	MATH 21D	Vector Analysis	(4)   MATH	1C	Calculus, Third Course	(4)
a)	MATH 22A	Linear Algebra	(3)   MATH 	5	Introduction to Linear Algebra	(3)
a)	MATH 22B	Differntl Equations	(3) MATH 	2	Calculus, Fourth Course - Differential Equations	(3)
a)	PHYSICS 9A	Classical Physics	(5)   PHYS   	40	Classical Mechanics for Scientists and Engineers	(5)
a)	PHYSICS 9B	Classical Physics	(5)   PHYS	41	Waves, Optics and	(4)

				Thermodynamics for Scientists & Engineers	
a) PHYSICS 9C	Classical Physics	(5)	PHYS 42     	Electricity and Magnetism for Scientists and Engineers	(4)
a) PHYSICS 9D	Modern Physics	(4)	PHYS 43   	Modern Physics for Scientists and Engineers	(3)
a) CHEM 2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
			<u>OK</u>  CHEM 4A 	General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM 1A &   CHEM 1B	General Chemistry General Chemistry	(5) (5)
			OR CHEM 4A &	General Chemistry with	(5)
			  CHEM 4B	Quantitative Analysis General Chemistry with	(5)
a) CHEM 2C	Genl Chemistry	(5)	  CHEM 1B	Quantitative Analysis General Chemistry	(5)
			<u>OR</u>  CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
a) ENGIN 17	Circuits I	(4)	  ENGR 16	Electric Circuits &  Devices	(4)
a) ENGIN 45	Prop of Mats	(4)	ENGR 45	Properties of Materials	(4)
ENG CHM 60 En	ngineering Problem Solv  OR	(4)	 I	OR	
a) ENG CS 30	Programming&Prob Solving	(4)	  CS 10 	Introduction to Computer Programming	(4)
	O.D.		<u>OR</u>  CS 17.11	Java Programming	(3)
a) ENGIN 6	OR Engr Prob Solving	(4)	  ENGR	OR Programming in MATLAB for Engineers	(3)
course in a	or admission. Students manage in higher level language in higher physical sciences,	inte	nded for s	 tudents majoring	
a) UWRITING 1	Expository Writing OR	(4)	  ENGL 1A	College Composition OR	(4)
a) ENGLISH 3	Intro to Lit	(4)	  ENGL 1B 	Literature and Composition	(3)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

a) COMUNCN 1 Intro Public Spkg (4) SPCH 1A Introduction to Public (3) Speaking
OR OR

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### RECOMMENDED COURSES:

a) ENGIN 35 Statics (4) ENGR 34 Engineering Mechanics: (3) Statics

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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.

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### END OF MAJOR

a) This articulation is approved for engineering majors.

# ====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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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.

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

Gener	al Ca	examination credit policies talog . Quick reference char from our TAG website.				
	21A 21B 21C	OR	(4)	MATH 1A  MATH 1B  MATH 1C	Calculus, Third Course OR	(5) (5) (4)
		Or high s	choo!	l equivale:	nt	
MATH	17A	Calculus for BioSci	(4)		ARTICULATED: College has course(s) for articulatio	
MATH	17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has course(s) for articulatio	not
MATH	17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has course(s) for articulatio	not
MATH MATH		Vector Analysis Differntl Equations			Calculus, Third Course Calculus, Fourth Course	(4)
MATH	25	Advanced Calculus	(4)		- Differential Equations ARTICULATED: College has course(s) for articulation	
MATH	22AL	Lin Alg Comp Lab  or equivalent basic known		submitted	ARTICULATED: College has course(s)for articulation	
can l	earn	c knowledge of MATLAB is red it on their own, enroll in 1 unit course Mathematics 22	quir Engi	ed for bot neering 6,	h MATH 67 and 22A. Studen Mechanical Engineering 5	
МАТН	22A	BOTH OF THE I				(3)
MATH	108	<b>AND</b> Intro Abstract Math	(4)	  This cour	<b>AND</b> se must be taken at UC Dav	ris
MATH	67	OR SELECT TO				
ENG C	'S 30	Programming&Prob Solving	(4)		Introduction to Computer Programming	(4)
_		10 0	26-	<u>OR</u>  CS 17.11	Java Programming	(3)
ENG C	S 40	18, Course Number = ENG CS Sftwr/Obj-Orien:C++  18, Course Number = ENG CS	(4)		Data Structures and Algorithms	(4)

### END OF MAJOR

### ====Mathematical Analytics and Operations Research B.S.==== Special Advising Note:

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

reduces time to degree.

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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 <u>UC Davis General</u> Catalog for additional information about the Foreign Language and Area Requirements, College of Letters and Science.

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### Or high school equivalent

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

avallable from our TAG website.

MATH 21A	Calculus	(4)	MATH 1A	Calculus, F	irst Course	(5)
MATH 21B	Calculus		MATH 1B	Calculus, S	Second Course	(5)
MATH 21C	Calculus	(4)	MATH 1C	Calculus, T	hird Course	(4)
MATH 21D	Vector Analysis	(4)	MATH 1C	Calculus, T	hird Course	(4)
MATH 22B	Differntl Equations	(3)	MATH 2	Calculus, Fo	ourth Course	(3)
			İ	- Differenti	al Equations	
MATH 25	Advanced Calculus	(4)	NO COURSI	ARTICULATED:	College has	not
			submitted	l course(s) fo	or articulation	n
		. – – – – – –				

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).

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### BOTH OF THE FOLLOWING COURSES:

MATH 22A	Linear Algebra  AND	(3)	MAT   	н 5	Introduction to Linear Algebra <b>AND</b>	(3)
MATH 108	Intro Abstract Math	(4)	Thi	s cour	se must be taken at UC Da	avis
	OR SELECT					
MATH 67	Modern Linear Algebra	(4)	NO 	COMPAR	ABLE COURSE	
ENG CS 30	Programming&Prob Solving	g (4)	CS	10	Introduction to Computer Programming	(4)
			İ	<u>OR</u> 17.11	5 - 1	
As of F	18, Course Number = ENG CS	362	CS	17.11	Java Programming	(3)
AS OI F						
ECON 1A	Princ of Microecon	(4)	ECO	N 2	Principles of	(3)
		( 4 )		1	Microeconomics	(2)
ECON 1B	Princ of Macroecon	(4)	  ECO	NΙ	Principles of Macroeconomics	(3)
	Stat Anlys Thru Comp title = Gateway to Data S			 COMPAR	ABLE COURSE	

### 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).

<sup>-</sup>Mathematics 21A/B/C/D

<sup>-</sup>Mathematics 22A or Mathematics 67

\*Information for future applicants is subject to change

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

information.

### Or high school equivalent

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also

available from our TAG website.

MATH 21A Calculus (4) MATH 1A Calculus, First Course (5)
MATH 21B Calculus (4) MATH 1B Calculus, Second Course (5)

MATH 21C Calculus (4) MATH 1C Calculus, Third Course (4) MATH 21D Vector Analysis (4) MATH 1C Calculus, Third Course (4) MATH 22B Differntl Equations (3) MATH 2 Calculus, Fourth Course (3) - Differential Equations

MATH 25 Advanced Calculus (4) NO COURSE ARTICULATED: College has not

|submitted course(s) for articulation

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).

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### BOTH OF THE FOLLOWING COURSES:

MATH 22A Linear Algebra (3) MATH 5 Introduction to Linear (3) Algebra

AND AND

MATH 108 Intro Abstract Math (4) This course must be taken at UC Davis

### OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4) NO	COMPARA	BLE COURSE	
ENG CS 30	Programming&Prob Sol	ving (4) CS	3 10	Introduction to Computer Programming	(4)
As of F	18, Course Number = ENG		OR 17.11	Java Programming	(3)
	OR	1		OR	
ENGIN 6	Engr Prob Solving	(4) EN	IGR 6	Programming in MATLAB for Engineers	(3)

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

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# 12 QUARTER UNITS OF ADDITIONAL NON-MATHEMATICS COURSES CHOSEN FROM NATURAL SCIENCES

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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.

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### 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 22A or Mathematics 67
- -Mathematics 22B

\*Information for future applicants is subject to change

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH 21A	Calculus	(4)	MATH	1A	Calculus,	First Course	(5)
MATH 21B	Calculus	(4)	MATH	1B	Calculus,	Second Course	(5)

### Or high school equivalent

MATH	21C	Calculus	(4)	MATH 1C	Calculus, Third Course (4)
MATH	21D	Vector Analysis	(4)	MATH 1C	Calculus, Third Course (4)
MATH	22B	Differntl Equations	(3)	MATH 2	Calculus, Fourth Course (3)
					- Differential Equations
MATH	25	Advanced Calculus	(4)		ARTICULATED: College has not
				submitted	course(s) for articulation
MATH	22AL	Lin Alg Comp Lab	(1)		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).

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BOTH	OF	THE	FOLLOWING	COURSES:

MATH 22A	Linear Algebra	(3)   MATH 5 Introduction to Linear (3)
		Algebra
	AND	AND
MATH 108	Intro Abstract Math	(4) This course must be taken at UC Davis

### OR SELECT THE FOLLOWING COURSE:

MATH 67	Modern Linear Algebra	(4) N	O COMPAR <i>i</i>	ABLE COURSE	
ENG CS 30	Programming&Prob Solving	g (4) C	s 10	Introduction to Computer Programming	(4)
As of F	18, Course Number = ENG CS	1 -	OR 17.11	Java Programming	(3)
ENGIN 6	OR Engr Prob Solving	ļ	NGR 6	OR Programming in MATLAB for Engineers	(3)

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

PLAN 1: GENERAL MATHEMATICS PHYSICS 9A Classical Physics (5) PHYS 40 Classical Mechanics for (5) Scientists and Engineers PLAN 2: MATHEMATICS FOR SECONDARY TEACHING PHYSICS 9A Classical Physics (5) PHYS 40 Classical Mechanics for (5) Scientists and Engineers OR OR PHYSICS 7A General Physics (4) PHYS 20 & General Physics (3) Lecture Part I PHYS 20L & General Physics Lab Part I PHYS 21 & General Physics (3) Lecture Part II PHYS 21L General Physics Lab (1)Part II OR OR STATIST 13 Elementary Statistics (4) | MATH 15 Elementary Statistics (4) Same as: STATIST 13Y OR STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE As of F18, title = Gateway to Data Science

### END OF MAJOR

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

### 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 <a href="transfer admission website">transfer admission website</a> 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.

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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 our website for details regarding UC Davis TAG.

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### 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 2016-18 UC Davis General Catalog online.

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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 2016-2018  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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### REQUIRED FOR ADMISSION:

a)	MATH	21A	Calculus	(4)   MATH	1A	Calculus,	First Course	(5)
a)	MATH	21B	Calculus	(4)   MATH	1B	Calculus,	Second Course	(5)
a)	MATH	21C	Calculus	(4)   MATH	1C	Calculus,	Third Course	(4)
a)	MATH	21D	Vector Analysis	(4)   MATH	1C	Calculus,	Third Course	(4)
a)	MATH	22A	Linear Algebra	(3)   MATH	5	Introduction Algebra	on to Linear	(3)
a)	MATH	22B	Differntl Equations	(3)   MATH	2	Calculus, 1	Fourth Course	(3)

				- Differential Equations	
a) CHEM 2A	Genl Chemistry	(5)	  CHEM 1A   <b>OR</b>	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
a) CHEM 2B	Genl Chemistry	(5)	CHEM 1A & CHEM 1B	General Chemistry General Chemistry	(5) (5)
			CHEM 4A &	General Chemistry with Quantitative Analysis	(5)
			CHEM 4B   	General Chemistry with Quantitative Analysis	(5)
a) PHYSICS 9A	Classical Physics	(5)	PHYS 40   	Classical Mechanics for Scientists and Engineers	(5)
a) PHYSICS 9B	Classical Physics	(5)	PHYS 41   	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
a) PHYSICS 9C	Classical Physics	(5)	PHYS 42     	Electricity and Magnetism for Scientists and Engineers	(4)
a) ENGIN 4	Graphics in Design	(3)	  ENGR 25 	Engineering Graphics and Design	(3)
a) ENGIN 17	Circuits I	(4)	ENGR 16	Electric Circuits & Devices	(4)
a) ENGIN 35	Statics	(4)	ENGR 34	Engineering Mechanics: Statics	(3)
a) ENGIN 6	Engr Prob Solving  OR	(4)	  ENGR 6   	Programming in MATLAB for Engineers OR	(3)
a) ENG CS 30	Programming&Prob Solving	(4)	CS 10	Introduction to Computer Programming	(4)
			<u>OR</u>  CS 17.11	Java Programming	(3)
course in	or admission. Students : a higher level language ring, physical sciences	inte	nded for st	 tudents majoring	
	REQUIRED	FOR (	GRADUATION	:	
a) UWRITING 1	Expository Writing	(4)	ENGL 1A	College Composition	(4)

For certain majors, the College of Engineering requires one English course as part of its lower-division preparation. However, the University requires two courses in English composition for transfer admission eligibility. When chosen carefully, this second course could help satisfy general education requirements. Please contact your college counselor or the UC Davis College of Engineering Undergraduate Office at (530)752-1979 if you have any questions.

(4) ENGL 1B

OR

(3)

Literature and

Composition

OR

Intro to Lit

a) ENGLISH 3

a) COMUNCN 1	Intro Public Spkg	(4) S	SPCH	1A	Introduction to Public Speaking	(3)
a) COMUNCN 3	OR Intprsnl Com Cmpetnce	(4)   C	COMM	6	OR Interpersonal Communication	(3)
a) ENGIN 45	Prop of Mats	(4) E	NGR	45 	Properties of Materials	(4)
a) ENG MEC 5	0 Mfg Processes	(4) N	10 CO	MPA:	RABLE COURSE	

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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.

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### END OF MAJOR

a) This articulation is approved for engineering majors.

## ====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.

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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  $\frac{\text{http://tag.ucdavis.edu}}{\text{http://tag.ucdavis.edu}} \text{ for details regarding UC Davis TAG.}$ 

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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.

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Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

http://llc.ucdavis.edu/foreign-language-placement-exams and check with your
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 2016-18 $\underline{\text{General Catalog}}$ . Quick reference charts for $\underline{\text{AP}}$ and $\underline{\text{IB}}$ are also available from our TAG website.

MEDV-ST 20A Medieval Culture (5) NO COMPARABLE COURSE

MEDV-ST 20A				ABLE COURSE
MEDV-ST 20B	Medieval Culture	(5)	NO COMPAR.	ABLE COURSE
	THREE COURSES	FROM	THE FOLLO	WING:
ARTHI 1B	Mediev&Renaiss Art	(4)	ART 2.2	History and (3)
				Appreciation of Late
				Gothic to Impressionist
				Art
ARTHI 1C	Baroque to Modern Art	(4)	ART 2.3	History and (3)
				Appreciation of Modern
				Art
ARTHI 1E	Islamic Art &	(4)	NO COURSE	ARTICULATED: College has not
	Architecture		submitted	course(s) for articulation
COMPLIT 2	Major Books-Middle Ages	(4)	NO COURSE	ARTICULATED: College has not
	to Enlightenment		submitted	course(s)for articulation
COMPLIT 10A		(2)		ARTICULATED: College has not
				course(s)for articulation
COMPLIT 10B	Master Authors	(2)		ARTICULATED: College has not
			submitted	course(s)for articulation
COMPLIT 10C	Master Authors	(2)	NO COURSE	ARTICULATED: College has not
		. ,		course(s)for articulation
COMPLIT 10D	Master Authors	(2)	I .	ARTICULATED: College has not
		, ,		course(s)for articulation
COMPLIT 10E	Master Authors	(2)		ARTICULATED: College has not
		, ,		course(s)for articulation
ENGLISH 10A	Literatures in English	1 (4)		
	I: To 1700	- ( - /		Literature Part 1
GERMAN 48	Myth & Saga	(4)	NO COURSE	ARTICULATED: College has not
	7	( - /		course(s) for articulation
HISTORY 4A	Western Civ	(4)	HIST 4.1	
		( - /		Civilization to 1648
			İ	C.E.
HISTORY 4B	Western Civ	(4)	HIST 4.1	& History of Western (3)
111010111 12		( - /		Civilization to 1648
			İ	C.E.
			HIST 4.2	History of Western (3)
				Civilization from 1648
			 	C.E.
HUMAN 1	Humanities Forum	(2)	I INO COURSE	ARTICULATED: College has not
110111111 1	iramaiii cicb i oi am	( 2 )		course(s) for articulation
HUMAN 9	Don Quixote	(2)		ARTICULATED: College has not
IIONAN 5	Don Quixocc	( 2 )		course(s) for articulation
PHILOS 21	Phil: Ancient	(4)	PHIL 20	History of Western (3)
11111100 21	IIIII AICICIE	(1)	111111 20	Philosophy: Ancient and
			 	Medieval
Δs of F17	title = Phil Classics: And	rient	I	HOUTCAU
PHILOS 22	Hist Phil: Early Modern		рнтт. 21	History of Western (3)
1111100 22	mise initi- Early Modelli	( 1 )		Philosophy: Modern
- 6 -4 -			I	

As of F17, title = Phil Classics: Modern

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.

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END OF MAJOR

### ====Microbiology A.B.====

### Special Advising Note:

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

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

### REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <a href="UC Transfer">UC Transfer</a>
<a href="Admission webpage">Admission webpage</a>. In order to receive priority consideration it 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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### 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.

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### Transfer Admission Guarantee (TAG) Note:

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology:I	Life on	(5)	BIO	2.1	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI	2B	Intro Biology: & Evolution	Ecology	(5)	BIO   	2.2 <u>&amp;</u>	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
					BIO	2.3	Fundamentals of Biology (5) (Botany and Ecology)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; of Life</pre>	the Tree	(5)	BIO   	2.2 <u>&amp;</u>	Fundamentals of Biology (5) (Evolution, Genetics, and Zoology)
					BIO   	2.3	Fundamentals of Biology (5) (Botany and Ecology)

CHEM 2A	Genl Chemistry	(5)	CHEM 1		General Chemistry (	(5)
			CHEM 4		General Chemistry with ( Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1 CHEM 1	_		(5) (5)
			<u>OR</u>  CHEM 4	4A <u>&amp;</u>	General Chemistry with ( Quantitative Analysis	(5)
			CHEM 4	4B	General Chemistry with ( Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	  CHEM	8	Introductory Organic ( Chemistry	(5)
CHEM 8B	Organic Chem-Brief OR	(4)	CHEM 8	8	<del>-</del>	(5)
CHEM 118A	Org Chem, Hlth & Sci	(4)	  CHEM	12A		(5)
CHEM 118B	Org Chem, Hlth & Sci					(5)
			CHEM 1			(5)
CHEM 118C	Org Chem, Hlth & Sci	(4)	CHEM 1	12B	Organic Chemistry (	(5)
MATH 17A	Calculus for BioSci	(4)	•		ARTICULATED: College has rourse(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COL	URSE	ARTICULATED: College has rourse(s) for articulation	not
01-	OR				OR	
MATH 21A MATH 21B	Calculus Calculus				Calculus, First Course (Calculus, Second Course (	
PHYSICS 1A	Principles Physics	(3)	 INO CON	MPAR	ABLE COURSE	
PHYSICS 1B	Principles Physics		!		ABLE COURSE	
DHVCTCC 71	<b>OR</b> General Physics	(4)	  DHVC 1	20	OR & General Physics (	(3)
FILIDICS /A	General Fligsics	(1)	j	•	Lecture Part I	
			PHYS 2 	20L <u>:</u>	_	(1)
			PHYS 2    PHYS 2	•	Part I	(1)
			  PHYS 2 	21	Part I  General Physics ( Lecture Part II	(3)
			į	21	Part I General Physics ( Lecture Part II	
PHYSICS 7B	General Physics	(4)	  PHYS 2 	21 <u>.</u> 21L	Part I  General Physics ( Lecture Part II General Physics Lab ( Part II  General Physics (	(3)
PHYSICS 7B	General Physics	(4)	PHYS 2 PHYS 2 PHYS 2	21 <u>:</u> 21L 20 <u>:</u>	Part I  General Physics ( Lecture Part II General Physics Lab ( Part II  General Physics ( Lecture Part I	<ul><li>(3)</li><li>(1)</li><li>(3)</li></ul>
PHYSICS 7B	General Physics	(4)	PHYS 2 PHYS 2 PHYS 2	21 <u>.</u> 21L 20 <u>.</u> 20L .	Part I  General Physics ( Lecture Part II General Physics Lab Part II  General Physics ( Lecture Part I  General Physics ( Lecture Part I  Part I	<ul><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li></ul>
PHYSICS 7B	General Physics	(4)	PHYS 2 PHYS 2 PHYS 2	21 <u>.</u> 21L 20 <u>.</u> 20L .	Part I  General Physics ( Lecture Part II General Physics Lab Part II  General Physics ( Lecture Part I  General Physics ( Lecture Part I  Part I	<ul><li>(3)</li><li>(1)</li><li>(3)</li></ul>
PHYSICS 7B	General Physics	(4)	PHYS 2 PHYS 2 PHYS 2	21 : 21L : 20 : 20L : 21	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics ( Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics ( Lecture Part II General Physics Lab	<ul><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li></ul>
			PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2	21 21L 22L 22L 22L 22L	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics ( Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics ( Lecture Part II General Physics Lab Part II	<ul><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li></ul>
PHYSICS 7B	General Physics  General Physics		PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2	21	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics ( Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II Lecture Part II Lecture Part II Lecture Part II Lecture Part II Lecture Part II Lecture Part I	<ul> <li>(3)</li> <li>(1)</li> <li>(3)</li> <li>(1)</li> <li>(3)</li> <li>(1)</li> <li>(3)</li> </ul>
			PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2	21	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics ( Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Lecture Part I	<ul><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li><li>(3)</li><li>(1)</li></ul>
			PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2	21	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics Lab Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I	<ul> <li>(3)</li> <li>(1)</li> <li>(3)</li> <li>(1)</li> <li>(3)</li> <li>(1)</li> <li>(3)</li> </ul>
			PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2 PHYS 2	21	Part I General Physics ( Lecture Part II General Physics Lab Part II General Physics Lab Lecture Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part II General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I General Physics Lab Part I Lecture Part II	(3) (1) (3) (1) (3) (1) (3) (1)

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.

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### 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 2018-19)

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 <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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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 2016-18  $\frac{\text{General Catalog}}{\text{AP}}$ . Quick reference charts for  $\frac{\text{AP}}{\text{AP}}$  and  $\frac{\text{IB}}{\text{AP}}$  are also available from our TAG website.

BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B		(5)	  BIO 2.2 <u>&amp;</u> 		(5)
			BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO 2.2 <u>&amp;</u> 	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
	OI HITE		  BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	  CHEM 1A   <b>OR</b>	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A 8	General Chemistry	(5)
			CHEM 1B	General Chemistry	(5)
			OR		
			CHEM 4A &	General Chemistry with	(5)
			<u> </u>	Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
			OR		
			CHEM 4B	General Chemistry with	(5)
			l	Quantitative Analysis	
CHEM 8A	Organic Chem-Brief	(2)	  СНЕМ 8 	Introductory Organic Chemistry	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8	Introductory Organic	(5)
	5		j	Chemistry	
	OR		į	OR	
CHEM 118A	Org Chem, Hlth & Sci		CHEM 12A		(5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	•	& Organic Chemistry	(5)
			CHEM 12B		(5)
CHEM 118C	Org Chem, Hlth & Sci		CHEM 12B	Organic Chemistry	(5)

MATH 17A	Calculus for BioSci	(4)	1		ARTICULATED: College has not course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO CO	OURSE	ARTICULATED: College has not
MATH 17C	Calculus for BioSci	(4)	NO CO	OURSE	course(s) for articulation ARTICULATED: College has not course(s) for articulation
	OR				OR
MATH 21A	Calculus	(4)	MATH	1A	Calculus, First Course (5)
MATH 21B	Calculus	(4)	MATH	1B	Calculus, Second Course (5)
PHYSICS 7A	General Physics	(4)	   PHYS 	20	& General Physics (3) Lecture Part I
			PHYS	20L	<u>&amp;</u> General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			PHYS	21L	
PHYSICS 7B	General Physics	(4)	PHYS	20	<u>&amp;</u> General Physics (3) Lecture Part I
			PHYS	20L	<u>&amp;</u> General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			PHYS	21L	General Physics Lab (1) Part II
PHYSICS 7C	General Physics	(4)	PHYS	20	<u>&amp;</u> General Physics (3) Lecture Part I
			PHYS	20L	<u>&amp;</u> General Physics Lab (1) Part I
			PHYS	21	<u>&amp;</u> General Physics (3) Lecture Part II
			  PHYS 	21L	General Physics Lab (1) Part II

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 1C Calculus, Third Course (4)

END OF MAJOR

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

### Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <a href="transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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### College Foreign Language Requirement Note:

information.

HEBREW 3 Elem Hebrew

HEBREW 21 Intermediate Modern

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

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website

available	from our TAG website.		<del>_</del> _			
HISTORY 6	Intro to Middle East	(4)	HIST 5 History of the Modern (3)			
HISTORY 8	Indian Civilization	(4)	NO COMPARABLE COURSE			
TWO YEARS (OR THE EQUIVALENT) OF ARABIC, HEBREW, OR HINDI/URDU:						
ARABIC 1	Elementary Arabic	(5)	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	(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation			
As of S17	units = 4					
ARABIC 22	Intermed Arabic	(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation			
As of S17,	units =4					
ARABIC 23	Intermed Arabic	(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation			
As of $F17$ ,	units = 4					
	OR		OR			
HEBREW 1	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not			
		:	submitted course(s)for articulation			
HEBREW 2	Elem Hebrew	(5)	NO COURSE ARTICULATED: College has not   submitted course(s)for articulation			
	220 110220	(3)	submitted course(s)for articulation			

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

(5) NO COURSE ARTICULATED: College has not

	Hebrew I		submitted	course(s) for articulation
As of F17,	units = 4			
HEBREW 22	Intermediate Modern	(5)	NO COURSE	ARTICULATED: College has not
	Hebrew II		submitted	course(s) for articulation
As of F17,	units = 4			
HEBREW 23	Intermediate Modern	(5)	NO COURSE	ARTICULATED: College has not
	Hebrew III		submitted	course(s) for articulation
	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	(5)	NO COURSE	ARTICULATED: College has not
			submitted	course(s) for articulation
As of F17,	units = 4			
HIN-URD 22	Intermed Hindi/Urdu II	(5)	NO COURSE	ARTICULATED: College has not
			submitted	course(s) for articulation
As of F17,	units = 4			
HIN-URD 23	Intermed Hindi/Urdu III	(5)	NO COURSE	ARTICULATED: College has not
			submitted	course(s) for articulation
As of F17,	units = 4			

# OTHER MIDDLE EAST/SOUTH ASIA STUDIES REGIONAL LANGUAGES ACCEPTED WITH PETITION. 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.

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### 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

Intersegmental General Education Transfer Curriculum (ICETC)/ HC Davis General

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for

students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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### College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

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

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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 2016-18  $\frac{\text{General Catalog}}{\text{AP}}$ . Quick reference charts for  $\frac{\text{AP}}{\text{AP}}$  and  $\frac{\text{IB}}{\text{AP}}$  are also available from our TAG website.

MUSIC	2A	Keyboard	Competence	(2) MUSCP 11A Class Piano 1 (2
MUSIC	2B	Keyboard	Competence	(2) NO COMPARABLE COURSE
MUSIC	2C	Keyboard	Competence	(2) NO COMPARABLE COURSE

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

MUSIC 6A MUSIC 6B MUSIC 6C	Elementary Theory Elementary Theory Elementary Theory	(3)   MUSC 2A	)
MUSIC 7A MUSIC 7B MUSIC 7C	Intermediate Theory Intermediate Theory Intermediate Theory	(3)   MUSC 2C Music Theory 3 (3 (3)   NO COMPARABLE COURSE (3)   NO COMPARABLE COURSE	)
MUSIC 16A MUSIC 16B MUSIC 16C	Elem Musicianship Elem Musicianship Elem Musicianship	(2)   MUSC 3A	) !)

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

MUSIC 17	A Intermediate (2	) MUSC 3C	Musicianship 3 (	2)
	Musicianship			
MUSIC 17	3 Intermediate (2	)   MUSC 3C &	Musicianship 3 (1	2)
	Musicianship	MUSC 3D	Musicianship 4 (1	2)
MUSIC 170	Intermediate (2	) MUSC 3D	Musicianship 4 (1	2)
	Musicianship	j		

# 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

### ====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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

N A STD 1	Intro NA Studies	(4) ANTHRO 32 	Native Cultures of (3) North America
N A STD 10	NA Experience <b>OR</b>	(4) NO COMPARABL	LE COURSE <b>OR</b>
N A STD 12	Native Amer/Indigenous Film		RTICULATED: College has not purse(s)for articulation

N A STD 5 N A STD 12 N A STD 32 N A STD 33 N A STD 34	Native Amer/Indigenous Film NA Music & Dance	(4) (4) (4)	NO COURSE ARTICULATED: College has not   submitted course(s)for articulation   NO COMPARABLE COURSE   ANTHRO 43 Native American Art (3)   and Culture					
ONE OR TWO COURSES FROM:								
AF-AMST 52 ANTHRO 2		(4)	I .					
As of W17, was ANTHRO 20		(4)	ANTHRO 30 Anthropology of (3) Globalization					
ANTHRO 24	Ancient Crops and People	(4)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation					
A A STD 1 A A STD 2	Hist Exp Asian Am Contemp Issues of Asian Americans							
A A STD 4		(4)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation					
CHICANO 10	Intro to Chic Std	(4)	HIST 26 History of Chicanos and (3) Latinos from 1848 to Present					
CHICANO 21	Hlth Care Issues	, ,	I e					

# CHICANO 23 Qualitative Research Methods (4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation (4) NO COMPARABLE COURSE (4) NO COMPARABLE COURSE (4) HIST 21 Race, Ethnicity and (3) Gender in American Culture ENV S&P 10 Current Issues in (3) BIO 12 Basic Concepts of (3)

OR | SOCS 12 Environmental Policies (3) | and Politics

Ecology

# ENV S&P 10 not open for credit to students who have completed ENV S&P 1 HISTORY 7A Latin America to 1700 (4) NO COMPARABLE COURSE HISTORY 7B Latin America 1700-1900 (4) NO COMPARABLE COURSE HISTORY 7C Latin America (4) HIST 8.2 History of Latin (3) 1900-Present America from 1830 to Present i) HISTORY 17A U.S. History (4) HIST 17.1 History of the United (3) States to 1877 LINGUIS 1 Intro Linguistics (4) ENGL 25 Introduction to (3) Language Study

END OF MAJOR

 i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.

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

### IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

Environment

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

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### ====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 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it 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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### Transfer Admission Guarantee (TAG) Note:

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

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLS	SCI 2	!A	Intro Earth	Biology:	Life on	(5)	  BIO 	2.	1		ntals of I nd Molecul		(5)
BIOLS	SCI 2	!B	Intro	Biology: lution	Ecology	(5)	  BIO   	2.	2 <u>&amp;</u>	Fundame	ntals of E ion, Genet	Biology	(5)
							ВІО	2.	3	Fundame	ntals of E and Ecolo		(5)
BIOLS	SCI 2	lC		Biology: versity &		(5)	BIO	2.	2 <u>&amp;</u>	Fundame	ntals of I ion, Genet	Biology	(5)
			of Li	fe			  BIO	2	3	and Zoo	logy) ntals of B	Rinloav	(5)
											and Ecolo		
CHEM	2A	G	enl Che	mistry		(5)	CHEN	1 1. OR	A	General	Chemistry	Y	(5)
							CHEN		A		Chemistry	-	(5)
CHEM	2 D	C	enl Che	miatro		(5)	  CHEN	л 1	7 <b>C</b> -		Chemistry	_	(5)
CILLIN	20	G	Jeili Cile	штасту		(3)	CHEN		_		Chemistry		(5)
								OR	ם	GCIICIAI	CITCHILDEL	Y	(3)
							CHEN		A <u>&amp;</u>	General	Chemistry	y with	(5)
							İ			Quantita	ative Anal	lysis	
							CHEN	4	В	General	Chemistry	y with	(5)
											ative Anal		
CHEM	2C	G	Senl Che	mistry		(5)	CHEN		В	General	Chemistry	Y	(5)
							! -	<u>DR</u>	_	~ 7	~1 ! ·		<i>(</i> <b>-</b> <i>)</i>
							CHEN	14.	В		Chemistry	•	(5)
							 			Quantita	ative Anal	ıysıs 	
CHEM	8A	0	rganic	Chem-Brie	f	(2)	CHEN	л 8		Introduct Chemistry	cory Organ	nic	(5)
CHEM	8B	0	rganic	Chem-Brie:	f	(4)	  CHEN	л 8		-	? cory Organ	nic	(5)
011211	02	Ū	30.11-0	0110111 21101	_	( - /				Chemistry			(5)
				OR			j			Č	OR		
CHEM	118A	7	_	em, Hlth 8						Organi		_	(5)
CHEM	118E	3	Org Ch	em, Hlth 8	& Sci	(4)	•			<u>&amp;</u> Organio			(5)
~	1100		0 01	7 . 1		(4)	CHEN			_	Chemist	_	(5)
CHEM	TT8C	: 	Org Ch	em, Hlth 8	& SC1	(4)	CHEN	/I	2B 	Organi	c Chemisti	ry 	(5)
MATH	17A		Calculu	s for Bio	Sci	(4)	•			ARTICULA course(s			
MATH	17в		Calculu	s for Bio	sci	(4)				ARTICULA			

MATH 17C	Calculus for BioSci	(4)	NO CO	OURSE	E ART	TICULATE urse(s)	for arti D: Colle for arti	ege has	not
	OR					OF	=		
MATH 21A	Calculus	. ,	1			•	First (		(5)
MATH 21B	Calculus 	(4)	MATH 	1B 	Ca 	ılculus, 	Second	Course	(5)
PHYSICS 7A	General Physics	(4)	PHYS	20	_	General Lecture	Physics Part I		(3)
			PHYS	20L	_	General Part I	Physics	Lab	(1)
			PHYS	21	_		Physics Part II		(3)
			PHYS	21L		General Part II	Physics	Lab	(1)
PHYSICS 7B	General Physics	(4)	PHYS	20	_	General Lecture	Physics Part I		(3)
			PHYS	20L	_	General Part I	Physics	Lab	(1)
			PHYS	21	_		Physics Part II		(3)
			PHYS	21L		General Part II	Physics	Lab	(1)
PHYSICS 7C	General Physics	(4)	PHYS	20	_	General Lecture	Physics Part I		(3)
			PHYS	20L	_	General Part I	Physics	Lab	(1)
			PHYS	21			Physics Part II		(3)
			PHYS	21L	G	General Part II	Physics		(1)

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.

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#### **RECOMMENDED:**

MATH 21C Calculus (4) | MATH 1C Calculus, Third Course (4)

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  $\frac{\text{highly recommended}}{\text{highly recommended}}$  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  $\underline{\text{transfer admission website}}$ . UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment.

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

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

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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#### 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 (5) BIO 2.1 Fundamentals of Biology (5)

BIOLSCI 2B	Earth Intro Biology: Ecology & Evolution	(5)	  BIO 2.2 &	(Cell and Molecular) Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			  BIO 2.3	Fundamentals of Biology	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life	(5)	  BIO 2.2 <u>&amp;</u> 	(Botany and Ecology) Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A   OR	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry General Chemistry	(5) (5)
			<u>OR</u>  CHEM 4A <u>&amp;</u> 	General Chemistry with Quantitative Analysis	(5)
			  CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
CHEM 2C	Genl Chemistry	(5)	CHEM 1B	General Chemistry	(5)
			CHEM 4B 	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	CHEM 8	Introductory Organic Chemistry	(5)
СНЕМ 8В	Organic Chem-Brief	(4)	CHEM 8	Introductory Organic Chemistry	(5)
CHEM 1107	OR	(4)		OR	( - )
CHEM 118A CHEM 118B	Org Chem, Hlth & Sci Org Chem, Hlth & Sci		CHEM 12A   CHEM 12A &	Organic Chemistry Organic Chemistry	(5) (5)
	OR		  CHEM 12B 	Organic Chemistry OR	(5)
CHEM 128A	Organic Chemistry		CHEM 12A	<u> </u>	(5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A &		(5)
CHEM 129A	Organic Chem Lab	(2)	CHEM 12A	Organic Chemistry Organic Chemistry	(5)
	Discoveries and Concepts	(3)	FDNT 10		(3)
PSYCH 41	Research Methods				
				Methods	
	<b>OR</b> Intro Social Rsch	(4)	      NO COMPARA	Methods OR	
	_	ect i	matter is b	Methods OR ABLE COURSE	
	Intro Social Rsch remaining preparatory subjections	ect i	matter is b	Methods OR ABLE COURSE	
The	Intro Social Rsch  remaining preparatory subjection your major option your NUTRITIONAL Cultural Anthropology units=5	ect iou cl	matter is b hoose: LOGY OPTION	Methods OR ABLE COURSE  Dased on which  Cultural Anthropology	(3)
The  ANTHRO 2 As of W17,	Intro Social Rsch  remaining preparatory subjection your major opt	BIO	matter is b hoose: LOGY OPTION  ANTHRO 2	Methods OR ABLE COURSE  Dased on which  Cultural Anthropology OR General Psychology	
The  ANTHRO 2 As of W17,  PSYCH 1	Intro Social Rsch  remaining preparatory subjection your major opt	BION (4)	matter is behoose:  LOGY OPTION   ANTHRO 2     PSYCH 1A    SOC 1	Methods OR ABLE COURSE  Dased on which  Cultural Anthropology OR	(3)

MATH 16A MATH 16B				Calculus, First Course Calculus, Second Course	
	Principles Physics Principles Physics				
	NUTRITION IN	_	_		
		(4)	ANTHRO 2	Cultural Anthropology	(3)
As of W17,	Units=5 OR		ĺ	OR	
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology	(3)
	OR		Ì	OR	
SOCIOL 3	Social Problems	(4)	SOC 2	Modern Social Problems	(3)
 FCON 1λ	Princ of Microecon	(A)	FCON 2	Principles of	(3)
ECON IA	TITLE OF MICTOCCOII		İ	Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1		(3)
				Macroeconomics	
PSYCH 1	General Psychology	(4)	PSYCH 1A	General Psychology	(3)
LOWER-DI	THE TON BE BONETURE BY ADRA				
		FOR I	HE NUTRIT	ION IN PUBLIC HEALTH OPTION	:
	l and Health Policy Area:				:
					<b>:</b> 
AGRESEC 15	l and Health Policy Area: Pop,Envr,World Agri	(4)	NO COMPA		<b>:</b> 
AGRESEC 15Cultural Di	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha	(4)  nge A:	NO COMPAI	RABLE COURSE	 not
AGRESEC 15	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture FD S&T 55	(4)  nge A: (4)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a d course(s) for articulation	 not n
AGRESEC 15	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture	(4)  nge A: (4)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and	 not n
AGRESEC 15	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture FD S&T 55	(4)  nge A: (4)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a d course(s) for articulation	 not n
AGRESEC 15 Cultural Di AMR STD 55 Same as: CM&RGDE 2	l and Health Policy Area:  Pop,Envr,World Agri  versity and Community Cha Food in Amer Culture FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag	(4) nge A: (4)	NO COMPAI 	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American	 not n
AGRESEC 15 Cultural Di AMR STD 55 Same as: CM&RGDE 2	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture FD S&T 55 Ethnicity Amer Comm	(4) nge A: (4)	NO COMPAI 	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture	 not n
AGRESEC 15 Cultural Di AMR STD 55 Same as: CM&RGDE 2	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag Development	(4) nge A: (4)	NO COMPAI 	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture	 not n
AGRESEC 15	l and Health Policy Area:  Pop,Envr,World Agri  versity and Community Cha Food in Amer Culture FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag	(4) nge A: (4) (4) (4)	NO COMPAI rea:  NO COURS:  submitted  HIST 21    NO COMPAI 	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture	not n (3)
AGRESEC 15	l and Health Policy Area: Pop,Envr,World Agri versity and Community Cha Food in Amer Culture FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag Development	(4) nge A: (4) (4) (4) (4)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture  RABLE COURSE  E ARTICULATED: College has a course(s) for articulation	not n (3)
AGRESEC 15	l and Health Policy Area:  Pop,Envr,World Agri  versity and Community Cha  Food in Amer Culture  FD S&T 55  Ethnicity Amer Comm  Intro Intl Ag  Development  Applied Sciences Area:  Food Systems  Intro to Bioethics	(4) nge A: (4) (4) (4) (4)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture  RABLE COURSE  E ARTICULATED: College has a course(s) for articulation RABLE COURSE	not n (3)
AGRESEC 15 Cultural Di AMR STD 55 Same as: CM&RGDE 2  INT AG 10 Natural and CM&RGDE 20  PHILOS 15 SCI&SOC 2	l and Health Policy Area:  Pop,Envr,World Agri  versity and Community Cha Food in Amer Culture  FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag Development	(4) nge A: (4) (4) (4) (4) (4) (4) (3)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture  RABLE COURSE  E ARTICULATED: College has a course(s) for articulation RABLE COURSE  RABLE COURSE  RABLE COURSE	not n (3)
AGRESEC 15  Cultural Di AMR STD 55  Same as: CM&RGDE 2  INT AG 10  Natural and CM&RGDE 20  PHILOS 15 SCI&SOC 2 SCI&SOC 15	l and Health Policy Area:  Pop,Envr,World Agri  versity and Community Cha Food in Amer Culture  FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag Development  Applied Sciences Area: Food Systems  Intro to Bioethics Feeding the Planet Aids & Society	(4) nge A: (4) (4) (4) (4) (4) (4) (3)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture  RABLE COURSE  E ARTICULATED: College has a course(s) for articulation RABLE COURSE	not n (3)
AGRESEC 15  Cultural Di AMR STD 55  Same as: CM&RGDE 2  INT AG 10  Natural and CM&RGDE 20  PHILOS 15 SCI&SOC 2 SCI&SOC 15	l and Health Policy Area:  Pop,Envr,World Agri versity and Community Char Food in Amer Culture FD S&T 55 Ethnicity Amer Comm  Intro Intl Ag Development	(4) nge A: (4) (4) (4) (4) (4) (4) (3)	NO COMPAI	RABLE COURSE  E ARTICULATED: College has a course(s) for articulation Race, Ethnicity and Gender in American Culture  RABLE COURSE  E ARTICULATED: College has a course(s) for articulation RABLE COURSE  RABLE COURSE  RABLE COURSE	not n (3)

#### ====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 <a href="https://doi.org/10.10/10.2016/journal.org/10.2016/journal.o

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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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

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

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

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

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

CHEM 2A	Genl Chemistry	(5)	CHEM	1A	(	General Chemistry	(5)
		( - /	OI				/
			CHEM	_	(	General Chemistry with	(5)
						Quantitative Analysis	( - )
CHEM 2B	Genl Chemistry	(5)	CHEM	1 A			(5)
CIIDN 2D	GCIII CIICMIDCI y	(3)	CHEM	-			(5)
			OI		`	General Chemistry	(3)
			CHEM	_	Sc (	General Chemistry with	(5)
			İ	-	_	Quantitative Analysis	
			CHEM	4B			(5)
						Quantitative Analysis	/
CHEM 2C	Genl Chemistry	(5)	CHEM	1B			(5)
011211 20		(0)	OI			001101011 011011112017	(0)
			CHEM	_	(	General Chemistry with	(5)
						Quantitative Analysis	( - )
	OR		i			OR	
CHEM 2AH	Honors Genl Chemistry	(5)	NO CO	OURSI	E Al	RTICULATED: College has n	not
011211 21111		(0)				ourse(s) for articulation	
CHEM 2BH	Honors Genl Chemistry	(5)				RTICULATED: College has n	
CIIDN ZDII	Honord denr eneminery	(3)				ourse(s) for articulation	
снем эсн	Honors Genl Chemistry	(5)				RTICULATED: College has n	
CHEM ZCH	Honors denr enemisery	(3)				ourse(s) for articulation	
PHYSICS 7A	General Physics	(4)	PHYS	20			(3)
	<b>7</b>	, ,	i		_	Lecture Part I	/
			PHYS	20T	£	General Physics Lab	(1)
					=	Part I	( - )
			PHYS	21	&	General Physics	(3)
			İ		_	Lecture Part II	
			PHYS	21L		General Physics Lab	(1)
			İ			Part II	` '
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General Physics	(3)
			İ		_	Lecture Part I	
			PHYS	20L	&		(1)
			İ		_	Part I	
			PHYS	21	&	General Physics	(3)
			İ		_	Lecture Part II	
			PHYS	21L			(1)
						Part II	. ,
PHYSICS 7C	General Physics	(4)	PHYS	20	&		(3)
		/		-		Lecture Part I	/
			PHYS	201	&	_	(1)
					=	Part I	. – /
			PHYS	21	&		(3)
					=	Lecture Part II	/
			PHYS	21т.		_	(1)
				لبب		Part II	· - /
			١			IUIC II	

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

		OR					OR	
PHYSICS	9A	Classical	Physics	(5)	PHYS	40	Classical Mechanics for	(5)
					 		Scientists and Engineers	
PHYSICS	9В	Classical	Physics	(5)	  PHYS 	41	Waves, Optics and Thermodynamics for	(4)
PHYSICS	9C	Classical	Physics	(5)	    PHYS 	42	Scientists & Engineers Electricity and Magnetism for	(4)

			 	Scientists and Engineers	
MATH 16A	Short Calculus	(3)	MATH 1A	Calculus, First Course (5	5)
MATH 16B	Short Calculus	(3)	MATH 1B	Calculus, Second Course (5	5)
MATH 16C	Short Calculus OR	(3)	MATH 1B 	Calculus, Second Course (5	5)
MATH 17A	Calculus for BioSci	(4)		ARTICULATED: College has no course(s) for articulation	
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has no course(s) for articulation	ot
MATH 17C	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has no course(s) for articulation	ot
	OR			OR	
MATH 21A	Calculus				5)
MATH 21B				Calculus, Second Course (5	5)
MATH 21C	Calculus	(4)	MATH 1C	Calculus, Third Course (4	4)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1	Fundamentals of Biology (5 (Cell and Molecular)	5)
BIOLSCI 2B	Intro Biology: Ecology	(5)	BIO 2.2 &	Fundamentals of Biology (5	5)
	& Evolution		i -	(Evolution, Genetics,	
				and Zoology)	
			BIO 2.3 	Fundamentals of Biology (5 (Botany and Ecology)	5)
BIOLSCI 2C	OR Intro Biology:	(5)	  BIO 2.2 &	OR Fundamentals of Biology (5	5)
DIOLDCI ZC	Biodiversity & the Tree		B10 2.2 <u>a</u>	(Evolution, Genetics,	<i>J</i> ,
	of Life		į	and Zoology)	
			BIO 2.3	Fundamentals of Biology (5	5)
			 	(Botany and Ecology)	
	Elementary Statistics STATIST 13Y	(4)	MATH 15 	Elementary Statistics (4	4)
a====== 2.0	OR	(4)		OR	
	Stat Anlys Thru Comp title = Gateway to Data Sc			ABLE COURSE	
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry (5	5)
CHEM 118B	Org Chem, Hlth & Sci	(4)	CHEM 12A		5)
			CHEM 12B		5)
CHEM 118C	Org Chem, Hlth & Sci <b>OR</b>	(4)	CHEM 12B 	OR	5)
CHEM 128A	Organic Chemistry		CHEM 12A		5)
CHEM 128B	Organic Chemistry	(3)	CHEM 12A		5)
CLIEM 100C	Organia Chamister	(2)	CHEM 12B		5)
CHEM 128C CHEM 129A	Organic Chemistry Organic Chem Lab		CHEM 12B		5) 5)
CHEM 129A CHEM 129B	Organic Chem Lab		CHEM 12A		5) 5)
	organic Chem hab	(4)	CHEM 12A		5)
CHEM 129C	Organic Chem Lab	(2)	CHEM 12B		5)

END OF MAJOR

#### ====Philosophy A.B.====

#### Special Advising Note:

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

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

#### Transfer Admission Guarantee (TAG) Note:

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

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

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#### College Foreign Language Requirement Note:

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

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

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PHILOS 12 Intro to Symbol Logic (4) PHIL 4 Introduction to Symbolic (3)

#### AND ONE COURSE FROM ANY THREE OF THE FOLLOWING AREAS

#### a. GENERAL PHILOSOPHY

PHILOS 1 Intro to Philos (4)|PHIL 6 Introduction to (3) Philosophy

#### b. ANCIENT PHILOSOPHY

PHILOS 21 Phil: Ancient (4) PHIL 20 History of Western (3) Philosophy: Ancient and Medieval

As of F17, title = Phil Classics: Ancient

#### c. EARLY MODERN PHILOSOPHY

	<pre>Hist Phil: Early Modern title = Phil Classics: Mod</pre>	j	History of Western Philosophy: Modern	(3)
AS OI III,	citie - Filli Classics. Mod	.6111		
	d. PHILO	SOPHY OF MIND	2	
PHILOS 13G	Minds, Brains Comp w/Disc		E ARTICULATED:College has d course(s)for articulate	
	e.	ETHICS:		
d) PHILOS 14	Eth Soc Prob in Soc	(4)   PHIL 7	Contemporary Moral Issues	(3)
		<u>OR</u>  PHIL 9   <b>OR</b>	Political Philosophy	(3)
	Q.D.	PHIL 12	Environmental Philosophy	(3)
PHILOS 15	OR Intro to Bioethics OR	(4) NO COMPA	OR RABLE COURSE OR	
PHILOS 24	Intro to Ethics	(4) PHIL 7	Contemporary Moral Issues	(3)
	f. PHILOSO	PHY OF SCIENC	<u>'E</u>	
PHILOS 30	Intro Philos of Sci	(4) NO COMPA	RABLE COURSE	
PHILOS 31	OR Scientific Reason OR	(4) NO COMPA	OR RABLE COURSE OR	
PHILOS 32	Scientific Change OR	(4) NO COMPA	RABLE COURSE OR	
PHILOS 38	Intro Philos of Biol	(4) NO COMPA	RABLE COURSE	
PHILOS 17	Language, Thought & World	:	EE ARTICULATED: College had course(s) for articulat	
		OM THE FOLLOW	ING:	
d) PHILOS 14	4 Eth Soc Prob in Soc	(4) PHIL 7	Contemporary Moral Issues	(3)
		<u>OR</u>  PHIL 9   <b>OR</b>	Political Philosophy	(3)
		PHIL 12	Environmental Philosophy	(3)
	Intro to Bioethics Phil Foundations of Amer Democ	(4) NO COURS		
		OLLOWING COUR		
PHILOS 5	Critical Reasoning	OR	Critical Thinking	(3)
		PHIL 5 	Critical Thinking/Writing	(3)

PHILOS 12	Intro to Symbol Logic	(4)   PHIL 4	Introduction to Symbolic (3) Logic
PHILOS 24	Intro to Ethics	(4) PHIL 7	Contemporary Moral (3)
			Issues
	PRE-	MED EMPHASIS:	
	ONE COURSE F	FROM THE FOLLOWI	NG:
PHILOS 24	Intro to Ethics	(4) PHIL 7	Contemporary Moral (3)
			Issues
PHILOS 30	Intro Philos of Sci	(4) NO COMPAR	ABLE COURSE
PHILOS 31	Scientific Reason	(4) NO COMPAR	ABLE COURSE
PHILOS 32	Scientific Change	(4) NO COMPAR	ABLE COURSE
	ATT OF TUE	FOLLOWING COURS	
DIITI OG 10			
PHILOS 12	intro to symbol Logic	(4) PHIL 4	Introduction to Symbolic (3)
		(4)	Logic
PHILOS 15	Intro to Bioethics	:	
PHILOS 38	Intro Philos of Biol	(4) NO COMPAR	ABLE COURSE

END OF MAJOR

d) Students who complete PHIL 7 at Santa Rosa Junior College will receive credit at UC Davis for PHILOS 14 or 24, not both

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

#### Special Advising Note:

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

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

#### Special Advising Note for future applicants:\*

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

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

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

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

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

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#### College Foreign Language Requirement Note:

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

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

PHYSICS	9A	Classical Physics	(5)	PHYS 40 	Classical Mechanics for (5) Scientists and Engineers
PHYSICS	9B	Classical Physics	(5)	PHYS 41   	3
PHYSICS	9C	Classical Physics	(5)	PHYS 42	Electricity and (4) Magnetism for Scientists and Engineers
PHYSICS	9D	Modern Physics	(4)	PHYS 43	Modern Physics for (3) Scientists and Engineers
		OR			OR
PHYSICS	9на	Honors Physics	(5)	!	GE ARTICULATED: College has not ed course(s) for articulation
PHYSICS	9НВ	Honors Physics	(5)	!	GE ARTICULATED: College has not ed course(s) for articulation
PHYSICS	9HC	Honors Physics	(5)	NO COURS	GE ARTICULATED: College has not ed course(s) for articulation
PHYSICS	9HD	Honors Physics	(5)	NO COURS	GE ARTICULATED: College has not ed course(s) for articulation

<sup>\*</sup>Information for future applicants is subject to change

PHYSICS 9HE	Honors Physics	(5)			ARTICULATED: College has not course(s) for articulation
MATH 21A	Calculus		MATH		Calculus, First Course (5)
MATH 21B	Calculus	(4)	MATH	1B	Calculus, Second Course (5)
MATH 21C	Calculus	(4)	MATH	1C	Calculus, Third Course (4)
MATH 21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course (4)
MATH 22A	Linear Algebra	(3)	MATH 	5	Introduction to Linear (3) Algebra
MATH 22B	Differntl Equations	(3)	MATH   	2	Calculus, Fourth Course (3) - Differential Equations
PHYSICS 80	Experimental Techniques	(4)			

END OF MAJOR

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

#### Special Advising Note:

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

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

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#### 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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

PHYSICS 9A	Classical Physics	(5)	PHYS 40 	Classical Mechanics for (5) Scientists and Engineers
PHYSICS 9B	Classical Physics	(5)	  PHYS 41 	Waves, Optics and (4) Thermodynamics for Scientists & Engineers
PHYSICS 9C	Classical Physics	(5)	PHYS 42   	Electricity and (4) Magnetism for Scientists and Engineers
PHYSICS 9D	Modern Physics	(4)	  PHYS 43 	Modern Physics for (3) Scientists and Engineers
	OR			OR
PHYSICS 9HA	Honors Physics	(5)	NO COURSE	ARTICULATED: College has not
	-			course(s) for articulation
PHYSICS 9HB	Honors Physics	(5)	!	ARTICULATED: College has not
11110100 7110	nonord in drop	( )	!	course(s) for articulation
PHYSICS 9HC	Honors Physics	(5)	1	ARTICULATED: College has not
FIIIDICD JIIC	HOHOLS FHYSICS	(3)		course(s) for articulation
DIMATAA OIID	Hamana Dharai aa	<b>/ F</b> \	1	
PHYSICS 9HD	Honors Physics	(5)		ARTICULATED: College has not
		<i>(</i> <b>-</b> <i>)</i>		course(s) for articulation
PHYSICS 9HE	Honors Physics	(5)		ARTICULATED: College has not
			submitted	course(s) for articulation
	G-11			Galanda Birat Garage (E)
MATH 21A	Calculus		MATH 1A	Calculus, First Course (5)
MATH 21B	Calculus		MATH 1B	Calculus, Second Course (5)
MATH 21C	Calculus		MATH 1C	Calculus, Third Course (4)
MATH 21D	Vector Analysis		MATH 1C	Calculus, Third Course (4)
MATH 22A	Linear Algebra	(3)	MATH 5	Introduction to Linear (3)
			_	Algebra
MATH 22B	Differntl Equations	(3)	MATH 2 	Calculus, Fourth Course (3) - Differential Equations
ENG CS 30	Programming&Prob Solving	(4)	  CS 10 	Introduction to (4) Computer Programming
			I	

### As of F18, Course Number = ENG CS 36A

#### Or equivalent programming course

PHYSICS 80 Experimental Techniques (4)

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#### HIGHLY RECOMMENDED

#### ASTROPHYSICS EMPHASIS

Preparatory subject matter for the B.S. Astrophyics Emphasis is the same as that listed above. In addition, the following courses are RECOMMENDED:

ASTRON 25	Intro to Modern Astronomy & Astrophy	(4) NO COMP	ARABLE COURSE	
ENG CS 40	Sftwr/Obj-Orien:C++	(4) CS 11	Data Structures and Algorithms	(4)
As of F18	3, Course Number = ENG CS	36B <sup>'</sup> 		

END OF MAJOR

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

#### Special Advising Note:

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

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

#### REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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 <u>or</u> 21A/B Chemistry 2A/B/C Biological Sciences 2A/B/C

It is also <u>strongly recommended</u> 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 <u>UC Transfer Admission webpage</u>. In order to receive priority consideration it 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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#### 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.

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

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

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BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO 2	2.1		Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2В		(5)	  BIO 2   	2.2	<u>&amp;</u>		(5)
				BIO 2	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	Intro Biology: Biodiversity & the Tree of Life		  BIO 2   	2.2	<u>&amp;</u>	_	(5)
				BIO 2 	2.3		Fundamentals of Biology (Botany and Ecology)	
CHEM 2A		Genl Chemistry	(5)	CHEM			General Chemistry	(5)
				CHEM	4A		General Chemistry with Quantitative Analysis	(5)
CHEM 2B		Genl Chemistry	(5)	CHEM		_	General Chemistry General Chemistry	(5) (5)
				OF			General Chemistry	(3)
				CHEM	4A	<u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
				CHEM	4B		General Chemistry with Quantitative Analysis	(5)
CHEM 8A		Organic Chem-Brief	(2)	CHEM	8		Introductory Organic	(5)
CHEM 8B		Organic Chem-Brief	(4)	  CHEM 	8		Chemistry Introductory Organic Chemistry	(5)
STATIST	13	Elementary Statistics STATIST 13Y	(4)	   MATH 	15			(4)
		RECOMMEN.	DED (	COURSE	7S :			
CHEM 2C		Genl Chemistry	(5)	CHEM   <b>OF</b>			General Chemistry	(5)
				_	_		General Chemistry with Quantitative Analysis	(5)

END OF MAJOR

#### ====Plant Biology B.S.====

#### Special Advising Note:

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

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

#### REQUIREMENTS FOR ADMISSION:

(for 2018-19)

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.

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Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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#### Advanced Placement (AP) and International Baccalaureate (IB) Examination Note:

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

avail	.able :	from our TAG website.				
BIOLS	SCI 2A	Intro Biology:Life on Earth	(5)	  BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLS	SCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 &		(5)
				BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLS	SCI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO 2.2 &		(5)
				BIO 2.3 	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM	2A	Genl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
				CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM	2B	Genl Chemistry	(5)	CHEM 1A &		(5)
		4	( - )	CHEM 1B		(5)
				CHEM 4A &	General Chemistry with Quantitative Analysis	(5)
				CHEM 4B	General Chemistry with	(5)
					Quantitative Analysis	· - /
CHEM	2C	Genl Chemistry	(5)	CHEM 1B		(5)
		•	` ,	OR	-	. ,
				CHEM 4B	General Chemistry with Quantitative Analysis	(5)
CHEM	8A	Organic Chem-Brief	(2)	  CHEM 8 	Introductory Organic Chemistry	(5)
CHEM	8B	Organic Chem-Brief	(4)	CHEM 8	<del>-</del>	(5)
		OR			OR	
CHEM	118A	Org Chem, Hlth & Sci	(4)	CHEM 12A	Organic Chemistry	(5)
CHEM	118B	Org Chem, Hlth & Sci	(4)	CHEM 12A	& Organic Chemistry	(5)
				CHEM 12B	Organic Chemistry	(5)
CHEM	118C	Org Chem, Hlth & Sci	(4)	CHEM 12B 	Organic Chemistry	(5)
MATH	17A	Calculus for BioSci	(4)	!	ARTICULATED: College has course(s) for articulatio	
MATH	17B	Calculus for Biosci	(4)	NO COURSE	C ARTICULATED: College has C course(s) for articulatio	not
MATH	17C	Calculus for BioSci	(4)	NO COURSE	: ARTICULATED: College has ! course(s) for articulatio	not
		OR			OR	.11
МАТН	21A	Calculus	(4)	MATH 1A		(5)
MATH	21B	Calculus			Calculus, First Course Calculus, Second Course	
PHYSI	CS 7A	General Physics			& General Physics Lecture Part I	

					PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	<u>&amp;</u>		Physics Part II		(3)
					PHYS	21L		General Part II	Physics	Lab	(1)
PHYSICS 7	В	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General Lecture	Physics Part I		(3)
					PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	<u>&amp;</u>		Physics Part II		(3)
					PHYS	21L		General Part II	Physics	Lab	(1)
PHYSICS 7	C	General	Physics	(4)	PHYS	20	<u>&amp;</u>	General Lecture	Physics Part I		(3)
					PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
					PHYS	21	<u>&amp;</u>		Physics Part II		(3)
					PHYS	21L			Physics	Lab	(1)

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.

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#### **RECOMMENDED COURSES:**

BIOLSCI 20Q	Modeling in Biology	(2)	NO COURS	SE ARTICULATED	: College ha	s not
			submitte	ed course(s) for	or articulat	ion
MATH 21C	Calculus	(4)	MATH 1C	Calculus, 7	Third Course	(4)

END OF MAJOR

#### ====Plant Sciences B.S.====

#### Special Advising Note:

Transfer students are strongly advised to complete as many preparatory courses as possible for their major before enrolling at UC Davis. In particular, it is <a href="https://doi.org/10.1001/journal.com/highly/recommended">highly recommended</a> 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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#### Transfer Admission Guarantee (TAG) Note:

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

#### Education(GE) Note:

Students have two choices for selection of a GE pattern: IGETC or UC Davis GE. IGETC is available only at California community colleges and works well for students planning to complete Bachelor of Arts (A.B.) degrees at UC Davis. See additional details about IGETC under the ASSIST Help Topics. UC Davis accepts partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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### 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	BIO	2.1	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO	2.2 <u>&amp;</u>	Fundamentals of Biology (5) (Evolution, Genetics,
				BIO	2.3	<pre>and Zoology) Fundamentals of Biology (5)</pre>

(Botany	and	Ecology)
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PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chemistry (5)
			CHEM 4A General Chemistry with (5) Quantitative Analysis
CHEM 2B	Genl Chemistry	(5)	CHEM 1A & General Chemistry (5)
		(-)	CHEM 1B   General Chemistry (5)
			<u>OR</u>
			CHEM 4A & General Chemistry with (5)   Quantitative Analysis
			CHEM 4B General Chemistry with (5)   Quantitative Analysis
CHEM 2C	Genl Chemistry	(5)	CHEM 1B General Chemistry (5)
			<u>OR</u>
			CHEM 4B General Chemistry with (5)   Quantitative Analysis
CHEM 8A	Organic Chem-Brief	(2)	CHEM 8 Introductory Organic (5)
			Chemistry
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8 Introductory Organic (5)   Chemistry
	OR		OR
CHEM 118A			CHEM 12A Organic Chemistry (5)
CHEM 118B	Org Chem, Hlth & Sci		CHEM 12A & Organic Chemistry (5)
arrest 110a	0 01 777.1 0 0 1		CHEM 12B Organic Chemistry (5)
CHEM 118C	Org Chem, Hlth & Sci		CHEM 12B Organic Chemistry (5)
MATH 16A	Short Calculus	(3)	MATH 1A Calculus, First Course (5)
MATH 16B	Short Calculus OR	(3)	MATH 1B Calculus, Second Course (5)
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not
MAIN 17B	carculus for broser	(1)	submitted course(s) for articulation
PHYSICS 1A	Principles Physics	(2)	NO COMPARADI E COIDCE
PHYSICS 1A PHYSICS 1B			
	OR		OR
PHYSICS 7A	General Physics	(4)	PHYS 20 & General Physics (3) Lecture Part I
			PHYS 20L & General Physics Lab (1)
			Part I  PHYS 21 & General Physics (3)
			Lecture Part II
			PHYS 21L General Physics Lab (1) Part II
PHYSICS 7B	General Physics	(4)	PHYS 20 & General Physics (3)
			Lecture Part I
			PHYS 20L $\underline{\&}$ General Physics Lab (1)   Part I
			PHYS 21 & General Physics (3) Lecture Part II
			PHYS 21L General Physics Lab (1)
			Part II
PHYSICS 7C	General Physics	(4)	PHYS 20 & General Physics (3)   Lecture Part I
			PHYS 20L & General Physics Lab (1)
			Part I PHYS 21 & General Physics (3)
			Lecture Part II

PHYS	21L	Gener	ral	Physics	Lab	(1)
		Part	ΤT			

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.

PL SCI 21	Computers	in Technology	(3)	AGBUS 2	Agricultural Computer	(3)
			ĺ		Applications	

#### COURSES FOR THE CROP PRODUCTION OPTION:

ECON 1A	Princ of Microecon	(4)   ECON 2	Principles of Microeconomics	(3)
	OR	į	OR	
AGRESEC 15	Pop,Envr,World Agri	(4) NO COMPA	RABLE COURSE	

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#### RECOMMENDED COURSES FOR THE MAJOR:

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

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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

Education(GE) Note:

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

POL SCI 1	Amer Natl Govt	(4) POLS 1	Introduction to United	(3)
			States Government	

### TWO COURSES FROM THE FOLLOWING:

POL SCI	2	Intro Comp Politics	(4)	POLS	2	Introduction to Comparative Government	(3)
POL SCI	3	Internatl Relations	(4)	POLS	25	International Relations	(3)
POL SCI	4	Bas Cnpt/Pol Thry	(4)	POLS	18	Political Theory	(3)
POL SCI	5	Probs/Am Pol Sys	(4)	NO C	OMPAR	ABLE COURSE	
POL SCI	7	Law & Politics	(4)	NO C	OMPAR	ABLE COURSE	
POL SCI	51	Scientific Study of Politics	(4)			ARTICULATED: College has course(s) for articulation	
STATIST Same		Elementary Statistics STATIST 13Y	(4)	   MATH 	15	Elementary Statistics	(4)

END OF MAJOR

#### ====Political Science A.B.====

#### Special Advising Note:

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

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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

partial IGETC certification and IGETC for STEM. Students not planning to complete IGETC should see important information about the UC Davis GE pattern. Go to the For General Education/Breadth section of ASSIST and select any option from the pull-down menu. The dean's office of your undergraduate college at UC Davis 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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#### College Foreign Language Requirement Note:

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

			THREE COURSES FROM	I THE	FOLLO	VING:		
POL	SCI	1	Amer Natl Govt	(4)	POLS	1	Introduction to United	(3)
							States Government	
POL	SCI	2	Intro Comp Politics	(4)	POLS	2	Introduction to	(3)
							Comparative Government	
POL	SCI	3	Internatl Relations	(4)	POLS	25	International Relations	(3)
POL	SCI	4	Bas Cnpt/Pol Thry	(4)	POLS	18	Political Theory	(3)
			ONE COURSE I	FROM T	HE FOI	LLOWII	NG:	

Note: Course	s listed twice may be use	d on	ly once for major preparation		
POL SCI 1			POLS 1		
			States Government		
POL SCI 2	Intro Comp Politics	(4)	POLS 2 Introduction to (3)		
			Comparative Government		
POL SCI 3	Internatl Relations	(4)	POLS 25 International Relations (3)		
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 18 Political Theory (3)		
POL SCI 5	Probs/Am Pol Sys	(4)	NO COMPARABLE COURSE		
POL SCI 7	Law & Politics	(4)	NO COMPARABLE COURSE		
POL SCI 11A	America Decides	(4)	NO COURSE ARTICULATED: College has not		
			submitted course(s)for articulation		
POL SCI 11B	Citizen Lawmaking	(4)	NO COURSE ARTICULATED: College has not		
			submitted course(s)for articulation		
POL SCI 11C	Politics & Film	(4)	NO COURSE ARTICULATED: College has not		
			submitted course(s)for articulation		
POL SCI 11D	Political Persuasion	(4)	NO COURSE ARTICULATED: College has not		
			submitted course(s)for articulation		
POL SCI 12A	Politics & Sports	(4)	NO COURSE ARTICULATED: College has not		
			submitted course(s)for articulation		
POL SCI 12B	Climate Chg & Politics	(4	)		
POL SCI 51	Scientific Study of	(4)	NO COURSE ARTICULATED: College has not		
	Politics	( - /	submitted course(s) for articulation		
STATIST 13	Elementary Statistics	(4)	MATH 15   Elementary Statistics (4)		
Same as:	STATIST 13Y				
	OR		OR		
STATIST 32	Stat Anlys Thru Comp	(4)	NO COMPARABLE COURSE		
As of F18, title = Gateway to Data Science					

END OF MAJOR

#### 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.

\*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 <u>transfer admission website</u>. 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

				_
PSYCH 1 PSYCH 41	General Psychology Research Methods	(4)   PSYCH 1A (4)   PSYCH 1B	General Psychology (3 Introduction to (3 Psychological Research Methods	•
STATIST 13 Same as:	Elementary Statistics STATIST 13Y	(4) MATH 15	Elementary Statistics (4	)
BIOLSCI 2A	Intro Biology:Life on Earth	(5) BIO 2.1	Fundamentals of Biology (5 (Cell and Molecular)	)

#### OR A COMBINATION OF

#### AND ONE COURSE FROM

ANTHRO 1	Human E	Evol Bi	ol (4	!)   AN	THRO 1	Biological			(3)
				ĺ		Anthropolog	ЭХ		
		OR		Ì		OR			
MOL&CB 1	0 Intro	Human	Heredity (4	l)   NO	COURSE	ARTICULATED:	College	has	not

OR

NE PH B 10

Elem Human Physio (3) PHYSIO 1 Human Physiology (5)

END OF MAJOR

====Psychology B.S. (Biological)====

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, \*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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

PSYCH 1 (PSYCH 41	General Psychology Research Methods		PSYCH 1A General Psychology PSYCH 1B Introduction to Psychological Rese	(3)
	Elementary Statistics STATIST 13Y	(4)	MATH 15 Elementary Statisti	.cs (4)
MATH 16A MATH 16B	Short Calculus Short Calculus OR		MATH 1A Calculus, First Cou MATH 1B Calculus, Second Co OR	. ,
MATH 17A	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College submitted course(s) for articu	
MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College submitted course(s) for articu	has not
	OR		OR	
MATH 21A MATH 21B		, ,	MATH 1A Calculus, First Cou MATH 1B Calculus, Second Co	. ,
PHYSICS 10	Topics, Nonscientists	(4)	NO COURSE ARTICULATED: College submitted course(s)for articul	
	OR		OR	
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College	
			submitted course(s)for articul	ation
	OR		OR	
PHYSICS 7A	General Physics	(4)	PHYS 20 & General Physics Lecture Part I	(3)
			PHYS 20L & General Physics La	.b (1)

			  PHYS	21	&	Part I General Physics	(3)
					_	Lecture Part II	( - )
			PHYS	21L		General Physics Lab	(1)
						Part II	
PHYSICS 7B	General Physics	(4)	PHYS	20	&	General Physics	(3)
						Lecture Part I	
			PHYS	20L	<u>&amp;</u>	General Physics Lab	(1)
						Part I	
			PHYS	21	<u>&amp;</u>	General Physics	(3)
						Lecture Part II	
			PHYS	21L		General Physics Lab	(1)
						Part II	
			PHYS 	21L		-	(1)

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

BIOLSCI	2A	Intro Biology:Life on Earth	(5)	  BIO 	2.1		Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI	2B	Intro Biology: Ecology & Evolution	(5)	BIO	2.2	<u>&amp;</u>		(5)
				BIO	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI	2C	<pre>Intro Biology: Biodiversity &amp; the Tree of Life</pre>		BIO	2.2	<u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
		or mile		  BIO 	2.3		Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A		Genl Chemistry	(5)	CHEM	1 1A <b>)R</b>		General Chemistry	(5)
				CHEM	1 4A		General Chemistry with Quantitative Analysis	(5)
CHEM 2B		Genl Chemistry	(5)	CHEM	1 1A	. &	General Chemistry	(5)
		-		CHEM			General Chemistry	(5)
				CHEM	1 4A	<u>&amp;</u>	General Chemistry with Quantitative Analysis	(5)
				CHEM	1 4B	3	General Chemistry with Quantitative Analysis	(5)
CHEM 8A		Organic Chem-Brief	(2)	CHEM	1 8		Introductory Organic Chemistry	(5)
CHEM 8B		Organic Chem-Brief	(4)	CHEM	8 1		Introductory Organic Chemistry	(5)
		OR		!			OR	
CHEM 11	-	Org Chem, Hlth & Sci		CHEM			Organic Chemistry	(5)
CHEM 11	8B	Org Chem, Hlth & Sci	(4)	CHEM				(5)
		OR		CHEM	1 12	В	Organic Chemistry <b>OR</b>	(5)
CHEM 12	Qη	Organic Chemistry	(2)	  CHEM	л 1つ	7\	-	(5)
CHEM 12		Organic Chemistry Organic Chemistry		CHEM				(5)
CHEM 12	В	organic chemistry	(3)	CHEM			Organic Chemistry Organic Chemistry	(5)

END OF MAJOR

#### 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 <u>transfer admission website</u>. 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

	General Psychology Research Methods		PSYCH 1A  PSYCH 1B 		
	Elementary Statistics STATIST 13Y	(4)	MATH 15 	Elementary Statistics	(4)
MATH 21A MATH 21B MATH 21C		(4)	MATH 1A  MATH 1B  MATH 1C	•	(5)
ENG CS 30	Programming&Prob Solving	(4)	CS 10     <u>OR</u>  CS 17.11	Introduction to Computer Programming Java Programming	(4)
As of F1	8, Course Number = ENG CS 3	86A			
	OR		ļ	OR	
ENG CS 10	Intro to Programming	(4)	!	ARTICULATED: College has	
			submitted	course(s)for articulation	1

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 CO	URSE	ARTICULATED: College has	not
				submi	ltted	l course(s)for articulation	L
		OR		j		OR	
CHEM	2A	Genl Chemistry	(5)	CHEM	1A	General Chemistry	(5)
				OF	2		
				CHEM	4A	General Chemistry with	(5)
				ĺ		Quantitative Analysis	
CHEM	2B	Genl Chemistry	(5)	CHEM	1A &	General Chemistry	(5)
				CHEM	1B	General Chemistry	(5)
				OF	2		
				CHEM	4A &	: General Chemistry with	(5)
				ĺ	_	Quantitative Analysis	
				CHEM	4B	General Chemistry with	(5)
				İ		Quantitative Analysis	
		OR		İ		OR	
CHEM	2AH	Honors Genl Chemistry	(5)	NO CO	URSE	ARTICULATED: College has	not
				submi	tted	l course(s) for articulatio	n

СНЕМ 2ВН	Honors Genl Chemistry	(5)	NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
PHYSICS 10	Topics, Nonscientists  OR	(4)	NO COURSE ARTICULATED: College has not  submitted course(s)for articulation   OR
PHYSICS 10C	Physics of California	(3)	NO COURSE ARTICULATED: College has not  submitted course(s)for articulation
PHYSICS 7A	<b>OR</b> General Physics	(4)	OR   PHYS 20 & General Physics (3)   Lecture Part I
			PHYS 20L & General Physics Lab (1) Part I
			PHYS 21 & General Physics (3)   Lecture Part II   PHYS 21L General Physics Lab (1)
PHYSICS 7B	General Physics	(4)	Part II PHYS 20 & General Physics (3)
			Lecture Part I   PHYS 20L & General Physics Lab (1)   Part I
			PHYS 21 & General Physics (3)   Lecture Part II
			PHYS 21L General Physics Lab (1)   Part II
their communications series before series may	nity college that is equiv re transferring. Students be required to take additi	alen who onal	mplete an entire physics series at t to the entire UC Davis Physics 7A/B/C transfer without completing an entire physics courses upon arrival at UC vis advisor before continuing with
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1 Fundamentals of Biology (5)   (Cell and Molecular)
	OR A COMB	INAT	TION OF
BIOLSCI 10	Everyday Biology	(4)	BIO 10 Introduction to (4)
		,	Principles of Biology OR
			BIO 12 Basic Concepts of (3) Ecology
	AND ONE C	OURS	E FROM
ANTHRO 1	Human Evol Biol	(4)	ANTHRO 1 Biological (3) Anthropology

#### ====Religious Studies A.B.====

(3) PHYSIO 1

OR

**OR** Human Physiology

(4) NO COURSE ARTICULATED: College has not

submitted course(s)for articulation

#### Special Advising Note:

MOL&CB 10

NE PH B 10 END OF MAJOR

OR

OR

Intro Human Heredity

Elem Human Physio

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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#### ONE COURSE FROM THE FOLLOWING:

REL	STD	1	Survey of Religion	(4)	PHIL 8 	World Religions: The (3) Philosophical
REL	STD	1A	Pilgrimage	(4)	!	Foundations ARTICULATED: College has not
REL	STD	1B	Death and Afterlife	(4)	!	<pre>course(s) for articulation ARTICULATED: College has not</pre>
						course(s) for articulation
REL	STD	1C	Sacrifice	(4)	!	ARTICULATED: College has not course(s) for articulation
REL	STD	1D	Conversion	(4)	!	ARTICULATED: College has not
				( - /		course(s) for articulation
REL	STD	1E	Fundamentalism	(4)	!	ARTICULATED: College has not
					submitted	course(s) for articulation
REL	STD	1F	Religion Today	(4)	NO COURSE	ARTICULATED: College has not
					submitted	course(s) for articulation
REL	STD	1G	Myth Ritual Symbol	(4)	HUMAN 8	Comparative Mythology (3)
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 F	ROM '	THE FOLLOWING:
REL STD	10	Contemporary Ethical	(2)	NO COURSE ARTICULATED: College has not
		Issues		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	(4)	NO COURSE ARTICULATED:College has not
		Religions		submitted course(s)for articulation
REL STD		Hebrew Scriptures	(4)	RELS 21 The Hebrew Bible (3)
As of F1	.8, tit	tle = The Bible		
REL STD	23	Intro Judaism		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)	RELS 22 Early Christian (3)
				Literature
REL STD	42	Religion and Sci	(4)	NO COURSE ARTICULATED: College has not
		Fiction		submitted course(s) for articulation
REL STD	45	Christianity	(4)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation
REL STD		Introduction to Islam		RELS 15 Islam (3)
REL STD	65C	The Qur'an and Its	(4)	NO COURSE ARTICULATED: College has not
	<b>C</b> 7	Interpretation	(4)	submitted course(s) for articulation
REL STD	6 /	Modern Hinduism	(4)	NO COURSE ARTICULATED: College has not
DEI CED	<i>C</i> 0	Hinduism	(1)	submitted course(s)for articulation
REL STD	68	Hinduism	(4)	NO COURSE ARTICULATED: College has not   submitted course(s) for articulation
REL STD	60	Intro Hindu Muthologu	(1)	NO COURSE ARTICULATED: College has not
KEL SID	69	Intro Hindu Mythology	(4)	submitted course(s)for articulation
REL STD	70	Religion and Language	(4)	NO COURSE ARTICULATED: College has not
		3 3	, ,	submitted course(s) for articulation
REL STD	75	Introduction to Chinese	(4)	
		Philosophy	,	
REL STD	80	Religion, Gender, Sex	(4)	NO COURSE ARTICULATED: College has not
				submitted course(s) for articulation

#### **RECOMMENDED:**

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.

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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

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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.

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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

#### 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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

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

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

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SCI&TEC 1 Intro Sci & Tech Std (4) NO COMPARABLE COURSE SCI&TEC 20 Sci & Tec Std Methods (4) NO COMPARABLE COURSE

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#### 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)	ECON 12 Introduction to (3)
			Economics and the
			Environment
HUMAN 3	Medicine & Humanities	(4)	NO COURSE ARTICULATED: College has not
			submitted course(s) for articulation
PHILOS 30	Intro Philos of Sci	(4)	NO COMPARABLE COURSE
PHILOS 31	Scientific Reason	(4)	NO COMPARABLE COURSE
PHILOS 32	Scientific Change	(4)	NO COMPARABLE COURSE
SCI&SOC 1	Critical Inquiry into	(4)	NO COMPARABLE COURSE
	Contemporary Issues		
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	(4)	NO COURSE ARTICULATED: College has not
	Culture		submitted course(s) for articulation
Same as:	ANTHRO 32		

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8 quarter units of lower-division science courses from the Approved Science Electives list. To see the list, click on

http://catalog.ucdavis.edu/programs/STS/STSreqt.html

END OF MAJOR

### ====Sociology A.B.====

# Special Advising Note:

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### Transfer Admission Guarantee (TAG) Note:

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

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

# College Foreign Language Requirement Note:

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

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

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\_\_\_\_\_\_ SOCIOL 1 Intro Sociology (5) SOC 1 Introduction to Sociology (3)

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

HISTORY 4	4A	Western Civ	(4)	HIST   	4.1		History of Western Civilization to 1648 C.E.	(3)
HISTORY 4	4B	Western Civ	(4)	HIST   	4.1	_	History of Western Civilization to 1648 C.E.	(3)
				HIST	4.2		History of Western Civilization from 1648 C.E.	(3)
HISTORY 4	4C	Western Civ	(4)	HIST   	4.2		History of Western Civilization from 1648 C.E.	(3)
HISTORY 6	б	Intro to Middle East	(4)	HIST 	5		story of the Modern	(3)
HISTORY 7	7A	Latin America to 1700	(4)	NO CO	AMPAI	RABI	LE COURSE	
HISTORY 7	7В	Latin America 1700-1900	(4)	NO CO	OMPAI	RABI	LE COURSE	
HISTORY 7	7C			1			History of Latin	(3)
		1900-Present	, ,	İ			America from 1830 to	` '
				İ			Present	
HISTORY 8	8	Indian Civilization	(4)	NO CO	AMPAI	RABI	LE COURSE	
HISTORY 9	9A	East Asian Civ	(4)	NO CO	AMPAI	RABI	LE COURSE	
HISTORY 9	9в	East Asian Civ	(4)	NO CO	IAPMC	RABI	LE COURSE	
HISTORY 1	10C	World History III	(4)	HIST	1.2		World History since 1500 C.E.	(3)
HISTORY 1	15	Intro African Hist	(4)	NO C	IAAMC	RABI	LE COURSE	
Course di	iscon	tinued as of S18						
i) HISTOR	RY 17	A U.S. History	(4)	HIST 	17.	1	History of the United States to 1877	(3)
i) HISTOR	RY 17	B U.S. History	(4)	HIST 	17.2	2	U.S. History from 1877	(3)

ONE COURSE FROM THE FOLLOWING:

PHILOS 5 Critical Reasoning (4) PHIL 3 Critical Thinking (3) OR

			PHIL 5 	Critical Thinking/Writing	(3)
d) PHILOS 14	Eth Soc Prob in Soc	(4)	PHIL 7	Contemporary Moral Issues	(3)
			OR		
			PHIL 9	Political Philosophy	(3)
			OR		
			PHIL 12	Environmental	(3)
				Philosophy	
PHILOS 24	Intro to Ethics	(4)	PHIL 7	Contemporary Moral	(3)
			İ	Issues	

- UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.
- d) Students who complete PHIL 7 at Santa Rosa Junior College will receive credit at UC Davis for PHILOS 14 or 24, not both

# ====Sociology A.B. (Comparative Studies and World Development)==== Special Advising Note:

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

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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology	(3)
SOCIOL 5	Global Soc Change	(4)	!	E ARTICULATED: College has decourse(s) for articulation	
SOCIOL 46A SOCIOL 46B	Intro Social Rsch <b>AND</b> Intro Social Rsch	. ,		RABLE COURSE AND RABLE COURSE	
ECON 1B	Princ of Macroecon	(4)	ECON 1 	Principles of Macroeconomics	(3)
ANTHRO 2 As of W17, u		(4)	ANTHRO 2	Cultural Anthropology	(3)
ANTHRO 20	OR Comparative Cultures	(4)	  ANTHRO 3 	OR O Anthropology of Globalization	(3)
HISTORY 10C	World History III	(4)	  HIST 1.2 	World History since 1500 C.E.	(3)
POL SCI 2	OR Intro Comp Politics	(4)	  POLS 2 	OR Introduction to Comparative Government	(3)

Course work in one modern foreign language at the two-year level, or provide proof of proficiency (27-30 quarter units).

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## END OF MAJOR

# ====Sociology A.B. (Law & Society)====

# Special Advising Note:

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

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

## Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociolog	y (3)
SOCIOL 3	Social Problems OR	(4)	SOC 2	Modern Social Problems OR	(3)
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 30	Race and Ethnic Relations	(3)
	OR			OR	
SOCIOL 11	Sociology of Labor and Employment	(4)		E ARTICULATED: College ha d course(s) for articulat	
SOCIOL 46A	Intro Social Rsch <b>AND</b>	(4)	NO COMPA: 	RABLE COURSE AND	
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPA	RABLE COURSE	

### 4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)   ANTHRO 2	Cultural Anthropology	(3)
ANTHRO 20	Comparative Cultures	(4)   ANTHRO 30	Anthropology of Globalization	(3)
POL SCI 1	Amer Natl Govt	(4)   POLS 1	Introduction to United States Government	(3)
POL SCI 3	Internatl Relations	(4) POLS 25	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4) POLS 18	Political Theory	(3)
POL SCI 7	Law & Politics	(4) NO COMPARA	ABLE COURSE	

### 4 QUARTER UNITS FROM THE FOLLOWING:

HISTORY	4A	Western	Civ	(4)	HIST 	4.1	Civilization to 1648	(3)
HISTORY	4B	Western	Civ	(4)	  HIST 	4.1 <u>&amp;</u>	C.E. History of Western Civilization to 1648	(3)
					  HIST	4.2	C.E. History of Western	(3)

		Civilization from 1648 C.E.
HISTORY 4C Western Civ	(4)	HIST 4.2 History of Western (3 Civilization from 1648 C.E.
HISTORY 6 Intro to Middle East	(4)	HIST 5 History of the Modern (3 Middle East
HISTORY 7A Latin America to 1700	(4)	NO COMPARABLE COURSE
HISTORY 7B Latin America 1700-1900	(4)	NO COMPARABLE COURSE
HISTORY 7C Latin America	(4)	HIST 8.2 History of Latin (3
1900-Present		America from 1830 to Present
HISTORY 8 Indian Civilization	(4)	NO COMPARABLE COURSE
HISTORY 9A East Asian Civ HISTORY 9B East Asian Civ	(4)	NO COMPARABLE COURSE
HISTORY 9B East Asian Civ	(4)	NO COMPARABLE COURSE
HISTORY 10C World History III	(4)	HIST 1.2 World History since (3 1500 C.E.
HISTORY 15 Intro African Hist	(4)	NO COMPARABLE COURSE
Course discontinued as of S18		
i) HISTORY 17A U.S. History	(4)	HIST 17.1 History of the United (3 States to 1877
i) HISTORY 17B U.S. History	(4)	States to 1877 HIST 17.2 U.S. History from (3 1877
PHILOS 5 Critical Reasoning	(4)	PHIL 3 Critical Thinking (3
		PHIL 5 Critical (3
OR		Thinking/Writing  OR
<del>*</del>	(4)	PHIL 7 Contemporary Moral (3 Issues
		OR PHIL 9 Political Philosophy (3 OR
		PHIL 12 Environmental (3 Philosophy
OR PHILOS 24 Intro to Ethics	(4)	OR PHIL 7 Contemporary Moral (3 Issues

- i) UC Transfer Course Agreement states: HIST 17.1 and 18.1 combined maximum credit, one course. HIST 17.2 and 18.2 combined - maximum credit, one course.
- d) Students who complete PHIL 7 at Santa Rosa Junior College will receive credit at UC Davis for PHILOS 14 or 24, not both

## ====Sociology A.B. (Social Services)====

# Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <a href="transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

SOCIOL 1	Intro Sociology	(5)	  soc 1	Introduction to Sociology	(3)			
	Self and Society OR							
	Social Problems	(4)	SOC 2		(3)			
	Intro Social Rsch AND	(4)	  NO COMPAF 	RABLE COURSE AND				
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPAR	RABLE COURSE				
PSYCH 1	General Psychology	(4)	PSYCH 1A	General Psychology	(3)			
	6-8 QUARTER UNITS FROM THE FOLLOWING:							
AF-AMST 10	Af-Am Culture & Soc	(4)	!	African-American History	(3)			
AF-AMST 15	Intro Afro Amer Hum	(4)	!	African-American Arts and Literature	(3)			
A A STD 1	Hist Exp Asian Am	(4)	NO COMPAR	RABLE COURSE				
A A STD 2	Contemp Issues of Asian Americans	(4)	NO COMPAF	RABLE COURSE				
CHICANO 10	Intro to Chic Std	(4)	HIST 26   	History of Chicanos and Latinos from 1848 to Present	(3)			
CHICANO 50	Chicano Culture	(4)	!	ChicanoChicana Arts & Literature	(3)			
N A STD 1	Intro NA Studies	(4)	ANTHRO 32	Native Cultures of	(3)			

			North America
N A STD 10	NA Experience	(4)	NO COMPARABLE COURSE
SOCIOL 4	Immigrtn & Opprtnty	(4)	SOC 30 Race and Ethnic (3)
			Relations
SOCIOL 11	Sociology of Labor and	(4)	NO COURSE ARTICULATED: College has not
	Employment		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

## ====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 <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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

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

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

SOCIOL 1	Intro Sociology AND	(5)	SOC 1 Introduction to Sociology (3)
SOCIOL 2	Self and Society	(4)	SOC 3 Self and Society (3)
SOCIOL 4	3	(4)	SOC 30 Race and Ethnic (3) Relations
SOCIOL 5	OR Global Soc Change OR	(4)	OR  NO COURSE ARTICULATED: College has not  submitted course(s) for articulation  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 <b>AND</b>	(4)	NO COMPARABLE COURSE   AND
SOCIOL 46B	Intro Social Rsch	(5)	NO COMPARABLE COURSE
ECON 1A	Princ of Microecon	(4)	ECON 2 Principles of (3) Microeconomics
ECON 1B	AND Princ of Macroecon	(4)	AND  ECON 1 Principles of (3)   Macroeconomics

# ====Spanish A.B.====

## Special Advising Note:

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### Transfer Admission Guarantee (TAG) Note:

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

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

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

Transfer students pursuing this major who do not certify IGETC must complete a college graduation requirement in a foreign language. See

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

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

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SPANISH 1 Elementary Spanish (5) SPAN 1 Elementary Spanish - (4)  SPANISH 2 Elementary Spanish (5) SPAN 1 Elementary Spanish - (4)  Part 1  SPAN 2 Elementary Spanish - (4)
SPANISH 2 Elementary Spanish (5) SPAN 1 & Elementary Spanish - (4) Part 1 SPAN 2 Elementary Spanish - (4)
SPAN 2 Elementary Spanish - (4)
Part 2
SPANISH 3 Elementary Spanish (5) SPAN 2 Elementary Spanish - (4) Part 2
SPANISH 21 Intm Spanish (5) SPAN 3 Intermediate Spanish - (4) Part One
SPANISH 22 Intm Spanish (5) SPAN 4 Intermediate Spanish - (4)
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) NO COMPARABLE COURSE
SPANISH 32 Int Span Nat Spk II (5) NO COMPARABLE COURSE
SPANISH 33 Int Span Nat Spk III (5) NO COMPARABLE COURSE

It is recommended that transfer students who have successfully completed a two-year sequence at the junior college level comparable to UC Davis Spanish 1 through 22 continue their study at UC Davis by taking Spanish 23. When available at the community college students are encouraged to complete courses comparable to Spanish 23 and 24. Students should consult a Spanish Department advisor at UC Davis upon enrollment.

LINGUIS 1	Intro Linguistics	(4)   ENGL 25	Introduction to	(3)
			Language Study	

END OF MAJOR

## ====Statistics A.B.====

#### Special Advising Note:

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#### Transfer Admission Guarantee (TAG) Note:

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

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## College Foreign Language Requirement Note:

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

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MATH 16A	Short Calculus	(3)	MATH 1A	Calculus, First Course (	5)
MATH 16B	Short Calculus		!	Calculus, Second Course (	5)
MATH 16C	Short Calculus	(3)	MATH 1B	Calculus, Second Course (	5)
	OR		j	OR	
MATH 17A	Calculus for BioSci	(4)	NO COURSE	ARTICULATED: College has no	ot
			submitted	<pre>course(s) for articulation</pre>	
MATH 17B	Calculus for Biosci	(4)	NO COURSE	ARTICULATED: College has no	ot
			submitted	<pre>course(s) for articulation</pre>	
MATH 17C	Calculus for BioSci	(4)		ARTICULATED: College has no	
			submitted	<pre>course(s) for articulation</pre>	
	OR			OR	
MATH 21A	Calculus	(4)	MATH 1A	Calculus, First Course (	5)
MATH 21B	Calculus	. ,	I	Calculus, Second Course (	,
MATH 21C	Calculus	(4)	MATH 1C	Calculus, Third Course (	4)
MATH 22A	Linear Algebra	(2)		Introduction to Linear (	
MAIH ZZA	Linear Algebra	(3)	MAIH 5	Algebra	3)
ENG CS 10	Intro to Programming	(4)	NO COURSE	ARTICULATED: College has no	ot
			!	course(s)for articulation	
	OR		j	OR	
ENG CS 30	Programming&Prob Solving	(4)	CS 10	Introduction to (	4)
				Computer Programming	
			OR		
			cs $17.11$	Java Programming (	3)
As of F1	8, Course Number = ENG CS :	36A			
	OR			OR	
ENG CS 40	Sftwr/Obj-Orien:C++	(4)	CS 11 I	Data Structures and (	4)

As of F18, Course Number = ENG CS 36B

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.

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STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE As of F18, title = Gateway to Data Science

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#### END OF MAJOR

# ====Statistics B.S. (Applied Statistics Option)==== Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <a href="mailto:transfer admission website">transfer admission website</a>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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## Transfer Admission Guarantee (TAG) Note:

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH 16A Short Calculus (3) MATH 1A Calculus, First Course (5)
MATH 16B Short Calculus (3) MATH 1B Calculus, Second Course (5)
MATH 16C Short Calculus (3) MATH 1B Calculus, Second Course (5)

OR OR

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

MATH 17B	Calculus for Biosci	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation				
MATH 17C	Calculus for BioSci	(4)	NO COURSE ARTICULATED: College has not				
		( - /	submitted course(s) for articulation				
	OR		OR				
MATH 21A	Calculus	(4)	MATH 1A Calculus, First Course (5) MATH 1B Calculus, Second Course (5)				
MATH 21B		(4)	MATH 1B Calculus, Second Course (5)  MATH 1C Calculus, Third Course (4)				
MATH 21C	Calculus	(4)	MATH IC   Calculus, Third Course (4)				
NOTE: THE	MATH 21A,B,C SERIES IS REC						
	Linear Algebra	(3)	MATH 5   Introduction to Linear (3)   Algebra				
		(4)	NO COURSE ARTICULATED: College has not				
	OR		submitted course(s)for articulation   OR				
ENG CS 30	Programming&Prob Solving	(4)	CS 10 Introduction to (4)				
			Computer Programming				
			<u>OR</u>  CS 17.11 Java Programming (3)				
As of F1	8, Course Number = ENG CS	36A	CD 17:11 Odva 110gramming (5)				
	OR		OR				
ENG CS 40	Sftwr/Obj-Orien:C++	(4)	CS 11 Data Structures and (4)   Algorithms				
As of F1	8, Course Number = ENG CS	36B					
may not upon tr	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 C	OURS	E FROM				
STATIST 12	Discrete Probabil	(4)	NO COMPARABLE COURSE				
			MATH 15 Elementary Statistics (4)				
	STATIST 13Y	(4)					
As of F18,	Stat Anlys Thru Comp title = Gateway to Data Sc						
PLUS TWO IN COURSES IN		CH S					

# ====Statistics B.S. (Computational Statistics Option)==== Special Advising Note:

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

Transfer students must also meet UC transfer admission requirements. For details see the UC Davis <u>transfer admission website</u>. UC Davis requires that students complete UC transfer admission requirements by the end of spring term prior to fall enrollment. In order to receive priority consideration it 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH 21A	Calculus	(4)   MATH 1A Calculus, First Course (5)
MATH 21B	Calculus	(4) MATH 1B Calculus, Second Course (5)
MATH 21C	Calculus	(4) MATH 1C Calculus, Third Course (4)
MATH 21D	Vector Analysis	(4) MATH 1C Calculus, Third Course (4)
MATH 22A	Linear Algebra	(3) MATH 5 Introduction to Linear (3)
		Algebra
ENG CS 60	Data Structures &	(4) NO COURSE ARTICULATED: College has not
	Programming	submitted course(s) for articulation

As of F18, Course Number = ENG CS 36C

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.

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#### AND ONE COURSE FROM

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STATIST 12 Discrete Probabil (4) NO COMPARABLE COURSE

STATIST 13 Elementary Statistics (4) MATH 15 Elementary Statistics (4)

Same as: STATIST 13Y |

STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE

As of F18, title = Gateway to Data Science
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#### 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.

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### Transfer Admission Guarantee (TAG) Note:

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

MATH 21A Calculus MATH 21B Calculus MATH 21C Calculus MATH 21D Vector Analysis	(4) MATH 1A Calculus, First Course (5) (4) MATH 1B Calculus, Second Course (5) (4) MATH 1C Calculus, Third Course (4) (4) MATH 1C Calculus, Third Course (4)
MATH 22A Linear Algebra  OR	(3) MATH 5 Introduction to Linear (3) Algebra OR
MATH 67 Modern Linear Algebra	(4) NO COMPARABLE COURSE
MATH 25 Advanced Calculus	(4) NO COURSE ARTICULATED: College has not  submitted course(s) for articulation
ENG CS 10 Intro to Programming	(4) NO COURSE ARTICULATED: College has not submitted course(s) for articulation
OR	OR
ENG CS 30 Programming&Prob Solving	Computer Programming
	OR   CS 17.11 Java Programming (3)
As of F18, Course Number = ENG CS	
OR	OR
ENG CS 40 Sftwr/Obj-Orien:C++	Algorithms
As of F18, Course Number = ENG CS	36B

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

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STATIST 12 Discrete Probabil (4) NO COMPARABLE COURSE STATIST 13 Elementary Statistics (4) MATH 15 Elementary Statistics (4)
  Same as: STATIST 13Y
STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE
As of F18, title = Gateway to Data Science
______
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## ====Statistics B.S. (Statistical Data Science Track)====

#### Special Advising Note:

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

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

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#### Transfer Admission Guarantee (TAG) Note:

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

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

# Education(GE) Note:

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

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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 2016-18 General Catalog . Quick reference charts for AP and IB are also available from our TAG website.

MATH	21A	Calculus	(4)	MATH	1A	Calculus, First Course	(5)
MATH	21B	Calculus	(4)	MATH	1B	Calculus, Second Course	(5)
MATH	21C	Calculus	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	22A	Linear Algebra	(3)	MATH	5	Introduction to Linear	(3)

					Algebra	
ENG CS 10	Intro to Programming  OR	(4)			ARTICULATED: College has course(s)for articulation	
ENG CS 30	Programming&Prob Solving	(4)	CS	10	<del>* = -</del>	(4)
As of F18	3, Course Number = ENG CS	36A	  CS	<u>OR</u> 17.11	Java Programming	(3)
	OR		1		OR	
ENG CS 40	Sftwr/Obj-Orien:C++	(4)	CS		Data Structures and Algorithms	(4)
As of F18	3, Course Number = ENG CS	36B				
	Elementary Statistics STATIST 13Y	(4)	   MA: 	гн 15	Elementary Statistics	(4)
	OR		İ		OR	
	Stat Anlys Thru Comp title = Gateway to Data Sc			COMPAR	ABLE COURSE	
END OF MATOR						

# ====Sustainable Agriculture and Food Systems B.S.==== Special Advising Note:

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

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

# Transfer Admission Guarantee (TAG) Note:

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

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

Education(GE) Note:

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

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

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

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

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	  SPCH 1A 	Introduction to Public (3) Speaking
PL SCI 15	Intro Sustainable Agriculture	(4)	!	ARTICULATED: College has not course(s) for articulation
CM&RGDE 20	Food Systems	(4)	!	ARTICULATED: College has not course(s)for articulation
PL PATH 40	Edible Mushroom Cult  OR	(2)	!	ARTICULATED: College has not course(s) for articulation  OR
PL SCI 49	Org Crop Prod Prac	(3)	!	ARTICULATED: College has not course(s) for articulation
	Select one of the	foll	owing cours	ses:
AN SCI 41L	Domest An Prod Lab	(2)	!	ARTICULATED: College has not course(s) for articulation
AN SCI 49A	Animal Prac/Aquaculture	(2)	!	ARTICULATED: College has not course(s) for articulation
AN SCI 49B	Animal Prac/Beef	(2)	!	ARTICULATED: College has not

		aubmitted governo(a) for entipylation
AN SCI 49C Animal Prac/Dairy	(2)	submitted course(s)for articulation  NO COURSE ARTICULATED: College has not
	( - /	submitted course(s)for articulation
AN SCI 49D Animal Prac/Goats	(2)	NO COURSE ARTICULATED: College has not
AN SCI 49E Animal Prac/Horses	(2)	submitted course(s)for articulation  NO COURSE ARTICULATED: College has not
The Bell 1911 Intimat Trace, norther	(2)	submitted course(s)for articulation
AN SCI 49F Animal Prac/Lab Animal	s (2)	NO COURSE ARTICULATED: College has not
AN SCI 49G Animal Prac/Meats	(2)	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
AN GGT 40T Animal Duay (Chaon	(2)	submitted course(s)for articulation  NO COURSE ARTICULATED: College has not
AN SCI 49I Animal Prac/Sheep	(2)	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		
OR		OR
ABIOSYT 52 Field Equip Welding	(2)	NO COURSE ARTICULATED: College has not
		submitted course(s)for articulation
PLUS CHOOSE ONE O	F THE	FOLLOWING THREE TRACKS:
TRACK I: AGRIC	יקוויי. זוו	E AND ECOLOGY
		MATH 1A Calculus, First Course (5)
MATH 16B Short Calculus	(3)	MATH 1B Calculus, Second Course (5)
CHEM 2A Genl Chemistry		CHEM 1A General Chemistry (5)
CHEM ZA GCHI CHEMISTIY	(3)	OR General elemistry (3)
		CHEM 4A General Chemistry with (5)
CHEM 2B Genl Chemistry	(5)	Quantitative Analysis  CHEM 1A & General Chemistry (5)
Chem 26 Geni Chemistry	(3)	CHEM 1B General Chemistry (5)
		<u>OR</u>
		CHEM 4A & General Chemistry with (5)
		Quantitative Analysis  CHEM 4B General Chemistry with (5)
		Quantitative Analysis
PHYSICS 1A Principles Physics	(3)	NO COMPARABLE COURSE
BIOLSCI 2A Intro Biology:Life on Earth	(5)	BIO 2.1 Fundamentals of Biology (5)   (Cell and Molecular)
BIOLSCI 2B Intro Biology: Ecology	(5)	I control of the cont
& Evolution		(Evolution, Genetics,
		and Zoology)
		BIO 2.3 Fundamentals of Biology (5)   (Botany and Ecology)
PL SCI 2 Bot Physio Cul Plt	(4)	NO COMPARABLE COURSE
AN SCI 1 Domest Ani & People	(4)	NO COMPARABLE COURSE
OR p) AN SCI 2 Intro Animal Sci	(4)	OR  ANSCI 2 Introduction to Farm (3)
p, in set i mere inimal set	( - /	Animal Health
		OR OR
		ANSCI 27 Beef Cattle Science (3)   OR
		· —
		ANSCI 28 Sheep Science (3)
		ANSCI 28 Sheep Science (3)   OR   ANSCI 29 Dairy Cattle (3)

				Industry/Dairy Cattle Science	
FD S&T 1	Food Sci Principles	(3)	NO COMPA	RABLE COURSE	
ECON 1A	Princ of Microecon			Principles of Microeconomics	(3)
CM&RGDE 1	The Community				
d) PHILOS	14 Eth Soc Prob in Soc	(4)	  PHIL 7 	Contemporary Moral Issues	(3)
			<u>OR</u>  PHIL 9   <b>OR</b>	Political Philosophy	(3)
	OR			Environmental Philosophy OR	(3)
PHILOS 15	Intro to Bioethics OR	(4)	  NO COMPA: 	_	
PHILOS 24	Intro to Ethics	(4)	i	Contemporary Moral Issues	(3)
ANTHRO 2 As of W17,		(4)	ANTHRO 2		(3)
POL SCI 4	OR Bas Cnpt/Pol Thry OR	(4)	  POLS 18	OR Political Theory OR	(3)
SOCIOL 1	Intro Sociology OR	(5)	  SOC 1 	Introduction to Sociology OR	(3)
SOCIOL 3	Social Problems	(4)	soc 2	Modern Social Problems	(3)
	TRACK II: FO	OOD AI	ND SOCIET	Y	
PHILOS 5	Critical Reasoning	(4)	PHIL 3	Critical Thinking	(3)
	O.D.		PHIL 5	Critical Thinking/Writing <b>OR</b>	(3)
PHILOS 31	OR Scientific Reason	(4)	  NO COMPA	RABLE COURSE	
d) PHILOS	14 Eth Soc Prob in Soc	(4)		Contemporary Moral Issues	(3)
			<u>OR</u>  PHIL 9   <b>OR</b>	Political Philosophy	(3)
	OR		<u>911</u>   PHIL 12 	Environmental Philosophy OR	(3)
PHILOS 15	Intro to Bioethics OR	(4)	  NO COMPA: 	_	
PHILOS 24		(4)		Contemporary Moral Issues	
SOCIOL 46B	Intro Social Rsch OR	(5)	_		
Same as	Elementary Statistics : STATIST 13Y		İ	Elementary Statistics	
				General Chemistry	
				General Chemistry with Quantitative Analysis	(5)

					_
BIOLSCI 2A	Intro Biology:Life on Earth <b>OR</b>	(5)	BIO 2.1 Fundamentals (Cell and Mo		)
BIOLSCI 10		(4)	Principles of		)
			OR BIO 12 Basic Concept Ecology	s of (3	)
PL SCI 2	Bot Physio Cul Plt	(4)			_
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u> Fundamentals (Evolution, and Zoology)		)
	OR			of Biology (5 Ecology)	)
ENV S&P 1	Env Analysis	(4)	ECON 12 Introduction Economics and Environment	•	)
	OR Global Ecosystem ENV SC&M 30	(3)	OR NO COMPARABLE COURSE		
W&F BIO 10	OR Wildl Ecol Conserve	(4)			
W&F BIO 51	<b>OR</b> Intro to Conservation Biology		BIO 12 Basic Concept Ecology	s of (3	)
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 2 Principles of Microeconomic	S	)
POL SCI 4	Bas Cnpt/Pol Thry	(4)			)
ANTHRO 2 As of W17,	Cultural Anthropology units=5 OR	(4)	ANTHRO 2 Cultural An	thropology (3	)
SOCIOL 1		(5)	SOC 1 Introduction t	o Sociology (3	)
SOCIOL 3		(4)	SOC 2 Modern Social	Problems (3	)
CM&RGDE 1 CM&RGDE 2	The Community Ethnicity Amer Comm	(4) (4)	NO COMPARABLE COURSE HIST 21 Race, Ethnic Gender in Am Culture	ity and (3 erican	)
			·		-
мати 162	TRACK III: ECO			rat Couras /F	١
MATH 16B	Short Calculus Short Calculus	(3)		cond Course (5	
	Intro Social Rsch OR			<b>_</b>	•
	Elementary Statistics STATIST 13Y	(4)		tatistics (4	)
CHEM 2A	Genl Chemistry	(5)	CHEM 1A General Chem	istry (5	)

			<u>OR</u>  CHEM 4A 	General Chemistry with Quantitative Analysis	(5)
BIOLSCI 2A	Intro Biology:Life on Earth OR	(5)	BIO 2.1 	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 10	<del></del>	(4)	  BIO 10     <b>OR</b>	<del></del>	(4)
			· —	Basic Concepts of Ecology	(3)
PL SCI 2	Bot Physio Cul Plt	(4)	NO COMPAR	RABLE COURSE	
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	BIO 2.2 <u>&amp;</u>      BIO 2.3	(Evolution, Genetics, and Zoology) Fundamentals of Biology	
	OR		 	(Botany and Ecology) <b>OR</b>	
ENV S&P 1	Env Analysis	(4)	ECON 12   	Economics and the Environment	(3)
	OR Global Ecosystem ENV SC&M 30 OR	(3)	  NO COMPAR   	OR RABLE COURSE OR	
W&F BIO 10	~	(4)	  NO COMPAR 	RABLE COURSE OR	
W&F BIO 51	<del>-</del> -	(3)	  BIO 12 	Basic Concepts of Ecology	(3)
FD S&T 1	Food Sci Principles	(3)	NO COMPAR	RABLE COURSE	
SOILSCI 10	Soils in Our Environment	(3)	NO COMPAR 	RABLE COURSE	
ECON 1A	Princ of Microecon	(4)	ECON 2	Principles of Microeconomics	(3)
	Princ of Macroecon		j	Principles of Macroeconomics	(3)
POL SCI 4	Bas Cnpt/Pol Thry	(4)	POLS 18	Political Theory	
	Cultural Anthropology				(3)
	OR Intro Sociology	(5)	  soc 1	OR Introduction to Sociology	(3)
	OR		İ	OR Modern Social Problems	
	The Community				
	4 Eth Soc Prob in Soc				 (2)
u, Philos I	.T ECH SOC PLOD III SOC	(#)	PHIL /     OR	Issues	(3)
			<u>OK</u>  PHIL 9   <b>OR</b>	Political Philosophy	(3)
	OP			Environmental Philosophy	(3)
PHILOS 15	OR Intro to Bioethics	(4)	  NO COMPAR	OR RABLE COURSE	

- p) Students must take any three of ANSCI 2, ANSCI 27, ANSCI 28, ANSCI 29, to be comparable to UC Davis's AN SCI 2.
- d) Students who complete PHIL 7 at Santa Rosa Junior College will receive credit at UC Davis for PHILOS 14 or 24, not both

# ====Sustainable Environmental Design B.S.==== Special Advising Note:

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

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

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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

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

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

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

COMUNCN 1	Intro Public Spkg	(4)	SPCH 	1A	Introduction to Public Speaking	(3)
ENGLISH 3	Intro to Lit	(4)	   ENGL 	1B	Composition	(3)
1	OR	(4)		1 -	OR	(4)
UWRITING I		(4)	ENGL	IA	College Composition	(4)
	OR		ļ		OR	
UWRITING 18	Style in the Essay	(4)	NO C	OMPAR	ABLE COURSE	
As of F17, Co	ourse Number = UWRITING	48				
	OR				OR	
UWRITING 19	Wrtg Research Papers	(4)	ENGL	5	Advanced Composition and Critical Thinking	(3)
As of F17, Co	ourse Number = UWRITING	49	· 		- 	
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO	2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	7 (5)	BIO	2.2 <u>&amp;</u>	Fundamentals of Biology (Evolution, Genetics,	(5)
			BIO	2.3	and Zoology) Fundamentals of Biology (Botany and Ecology)	(5)

### ONE COURSE FROM THE FOLLOWING:

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STATIST 10 Statist Thinking (4) NO COMPARABLE COURSE
STATIST 12 Discrete Probabil (4) NO COMPARABLE COURSE
STATIST 13 Elementary Statistics (4) MATH 15 Elementary Statistics (4)
Same as: STATIST 13Y
STATIST 32 Stat Anlys Thru Comp (4) NO COMPARABLE COURSE
As of F18, title = Gateway to Data Science
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ECON 1A	Princ of Microecon	(4)	ECON 2	Principles of Microeconomics	(3)
ECON 1B	Princ of Macroecon	(4)	ECON 1		(3)
	ONE COURSE FRO	 OM T	HE FOLLOW		
	0112 0001152 111				
POL SCI 1	Amer Natl Govt	(4)	POLS 1	Introduction to United States Government	(3)
POL SCI 2	Intro Comp Politics	(4)	POLS 2	Introduction to Comparative Government	(3)
POL SCI 3	Internatl Relations	(4)	POLS 25	International Relations	(3)
POL SCI 4	Bas Cnpt/Pol Thry				(3)
POL SCI 5	Probs/Am Pol Sys			RABLE COURSE	( - )
POL SCI 7	Law & Politics		!	RABLE COURSE	
POL SCI 11		, ,	1	E ARTICULATED: College has	not.
101 001 11	I IMMELICA BEGIAEB	( - /	!	d course(s) for articulation	
DOT. SCT 11	B Citizen Lawmaking	(4)	1	E ARTICULATED: College has	
POL SCI II	b CICIZEII Lawillakilig	( + )	!	d course(s)for articulation	
POL SCI 11	C Politics & Film	(4)	NO COURSI	E ARTICULATED: College has	not
DOT 00T 11		(4)		d course(s)for articulation	
POL SCI 11	D Political Persuasion	(4)		E ARTICULATED: College has	
			1	d course(s)for articulation	
POL SCI 12	A Politics & Sports	(4)		E ARTICULATED: College has	
			!	d course(s)for articulation	
	Y Data Visualization			E ARTICULATED: College has	not
	: COMUNCN 12Y, PSYCH 12Y sul	omit	ted course	e(s)for articulation	
	OCIOL 12Y				
POL SCI 51	Scientific Study of	(4)			
	Politics		submitted	d course(s) for articulatio	n
	ONE COURSE FRO	OM T	HE FOLLOW	ING:	
SOCIOL 1					(3)
SOCIOL 1	Intro Sociology	(5)	SOC 1	Introduction to Sociology	
SOCIOL 2	Intro Sociology Self and Society	(5) (4)	SOC 1  SOC 3	Introduction to Sociology Self and Society	(3)
SOCIOL 2 SOCIOL 3	Intro Sociology Self and Society Social Problems	(5) (4) (4)	SOC 1  SOC 3  SOC 2	Introduction to Sociology Self and Society Modern Social Problems	(3)
SOCIOL 2	Intro Sociology Self and Society Social Problems	(5) (4) (4)	SOC 1  SOC 3	Introduction to Sociology Self and Society Modern Social Problems Race and Ethnic	(3)
SOCIOL 2 SOCIOL 3 SOCIOL 4	Intro Sociology Self and Society Social Problems Immigrtn & Opprtnty	(5) (4) (4) (4)	SOC 1  SOC 3  SOC 2  SOC 30	Introduction to Sociology Self and Society Modern Social Problems Race and Ethnic Relations	<ul><li>(3)</li><li>(3)</li><li>(3)</li></ul>
SOCIOL 2 SOCIOL 3	Intro Sociology Self and Society Social Problems	(5) (4) (4) (4)	SOC 1  SOC 3  SOC 2  SOC 30 	Introduction to Sociology Self and Society Modern Social Problems Race and Ethnic Relations ARTICULATED: College has	(3) (3) (3)
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#### END OF MAJOR

# ====Textiles and Clothing B.S. (Marketing/Economics)==== IMPORTANT ADVISORY FOR FALL 2018 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agricultural and Environmental Sciences is suspended for 2018-19, and fall 2018 TAGs will not be available.

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### 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 <a href="https://doi.org/10.1001/journal-no.1001

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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### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

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

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

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

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

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

# AP and IB examination credit policies are detailed in the UC Davis 2016-18

<u>General Catalog</u> . Quick reference charts for  $\underline{AP}$  and  $\underline{IB}$  are also available from our TAG website.

PL SCI 21	Computers in Technology	(3)	AGI 	BUS 2	Agricultural Computer Applications	(3)
	OR				OR	
B) ENG CS 15	Intro to Computers	(4)	CS	5	Computer Literacy	(3)
	OR		ĺ		OR	
ENG CS 30	Programming&Prob Solving	(4)	CS	10	Introduction to	(4)
			İ		Computer Programming	
			ĺ	OR		
			CS	$\overline{17.1}$	1 Java Programming	(3)

As of F18, Course Number = ENG CS 36A

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

#### 4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)	ANT	HRO 2	Cultural	Anthropology	(3)
,	OR				OR		
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO (	COMPARA	BLE COURSE		
	OR		İ		OR		
ARTHI 1A	Ancient Mediterranean Art	(4)	ART     	2.1	Appreciat	Aesthetic ion of ic - Gothic	(3)

	OR		OR
ARTHI 1B	Mediev&Renaiss Art	(4)	Appreciation of Late Gothic to Impressionist Art
ARTHI 1C	<b>OR</b> Baroque to Modern Art	(4)	OR  ART 2.3 History and (3)   Appreciation of Modern   Art
ARTHI 1D	<b>OR</b> Arts of Asia	(4)	OR  NO COMPARABLE COURSE
	ALL OF THE FO	OT.T.O	WING COURSES:
PHYSICS 1A	Principles Physics  OR		
PHYSICS 10	Topics,Nonscientists	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
PSYCH 1	General Psychology	(4)	PSYCH 1A General Psychology (3)
SOCIOL 2	Self and Society	(4)	SOC 3 Self and Society (3)
	Elementary Statistics STATIST 13Y	(4)	MATH 15 Elementary Statistics (4)
TEX&CL 6	Intro Textiles Style & Cult Std		FASH 8
TEX&CL 8	Textile Apparel Ind		NO COMPARABLE COURSE
		(4)	BAD 1 Financial Accounting (4) BAD 2 Managerial Accounting (4)
CHEM 10	Concept of Chem	(4)	NO COURSE ARTICULATED: College has not submitted course(s) for articulation
CHEM 2A	OR Genl Chemistry	(5)	OR  CHEM 1A General Chemistry (5)   OR
			OK   CHEM 4A General Chemistry with (5)   Quantitative Analysis
MATH 16A MATH 16B	Short Calculus Short Calculus	(3)	MATH 1A Calculus, First Course (5) MATH 1B Calculus, Second Course (5)
	RESTRICTED ELECT	CIVE	S (12 QUARTER UNITS):
AGRESEC 18	Business Law	(4)	BAD 18 The Legal Environment of (3) Business
DESIGN 77	Intro to Fashion Design	(4)	
			isfy any or all of the required 12
END OF MAJO	)R		

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 2018 APPLICANTS:

The undergraduate major Textiles and Clothing in the College of Agr

The undergraduate major Textiles and Clothing in the College of Agricultural and

Environmental Sciences is suspended for 2018-19, and fall 2018 TAGs will not be available.

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#### 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 <a href="https://doi.org/10.1001/journal-normal

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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# Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

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

ASSIST for more information about UC Davis GE.

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

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

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

AP and IB examination credit policies are detailed in the UC Davis 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

PL SCI 21 Computers in Technology (3) AGBUS 2 Agricultural Computer (3)
Applications
OR

B) ENG CS 15 Intro to Computers (4) CS 5 Computer Literacy
OR

ENG CS 30 Programming&Prob Solving (4) CS 10 Introduction to (4)
Computer Programming
OR

CS 17.11 Java Programming (3)

As of F18, Course Number = ENG CS 36A

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

# 4 QUARTER UNITS FROM THE FOLLOWING:

ANTHRO 2 As of W17,	Cultural Anthropology units=5	(4)	ANTI	HRO 2	Cultural Anthropology	(3)
	OR				OR	
SCI&SOC 1	Critical Inquiry into Contemporary Issues	(4)	NO (	COMPARA	BLE COURSE	
	OR		İ		OR	
ARTHI 1A	Ancient Mediterranean Art	(4)	ART	2.1	History & Aesthetic Appreciation of Prehistoric - Gothic Art	(3)
	OR				OR	
ARTHI 1B	Mediev&Renaiss Art	(4)	ART     	2.2	History and Appreciation of Late Gothic to Impressionist Art	(3)
	OR		İ		OR	
ARTHI 1C	Baroque to Modern Art	(4)	ART	2.3	History and Appreciation of Modern	(3)

Art

OR (4) | NO COMPARABLE COURSE ARTHI 1D Arts of Asia \_\_\_\_\_\_ ALL OF THE FOLLOWING COURSES: PHYSICS 1A Principles Physics (3) NO COMPARABLE COURSE OR PHYSICS 10 Topics, Nonscientists (4) NO COURSE ARTICULATED: College has not |submitted course(s)for articulation \_\_\_\_\_\_ PSYCH 1 General Psychology (4) PSYCH 1A General Psychology \_\_\_\_\_\_ SOCIOL 2 Self and Society  $(4) \mid SOC 3$  Self and Society (3)\_\_\_\_\_\_ STATIST 13 Elementary Statistics (4) | MATH 15 Elementary Statistics (4) Same as: STATIST 13Y TEX&CL 6 Intro Textiles (4) | FASH 8 Introductor TEX&CL 7 Style & Cult Std (4) | NO COMPARABLE COURSE TEX&CL 8 Textile Apparel Ind (4) | NO COMPARABLE COURSE (4) FASH 8 Introductory Textiles (3) \_\_\_\_\_\_ CHEM 2A Genl Chemistry (5) CHEM 1A General Chemistry | OR | CHEM 4A General Chemistry with (5) Quantitative Analysis (5) CHEM 1A & General Chemistry CHEM 2B Genl Chemistry CHEM 1B General Chemistry (5) OR CHEM 4A & General Chemistry with (5) Quantitative Analysis CHEM 4B General Chemistry with (5) Quantitative Analysis CHEM 8A Organic Chem-Brief (2) CHEM 8 Introductory Organic (5) Chemistry (4) CHEM 8 Introductory Organic (5) Chemistry CHEM 8B Organic Chem-Brief \_\_\_\_\_\_ MATH 16A Short Calculus (3) | MATH 1A Calculus, First Course (5) RESTRICTED ELECTIVES (16 QUARTER UNITS): (4) BAD 18 The Legal Environment of (3) Business AGRESEC 18 Business Law CHEM 2C Genl Chemistry (5) CHEM 1B General Chemistry (5) OR | CHEM 4B General Chemistry with (5) Quantitative Analysis CHEM 128A Organic Chemistry (3) CHEM 12A Organic Chemistry
CHEM 128B Organic Chemistry (3) CHEM 12A © Organic Chemistry (5) (5) CHEM 12B Organic Chemistry

CHEM 12B Organic Chemistry

(3) CHEM 12B Organic Chemistry (5) (5) DESIGN 77 Intro to Fashion Design (4) NO COMPARABLE COURSE MGMT 11A Elem Accounting (4) BAD 1 Financial Accounting MGMT 11B Elem Accounting (4) BAD 2 Managerial Accounting (4) BAD 2 Managerial Accounting MATH 16B Short Calculus (3) MATH 1B Calculus, Second Course (5) MATH 16C Short Calculus (3) MATH 1B Calculus, Second Course (5) SOCIOL 25 Popular Culture (4) NO COMPARABLE COURSE Foreign language units may be used to satisfy any or all of the required 16 units. \_\_\_\_\_\_

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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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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 <a href="http://llc.ucdavis.edu/foreign-language-placement-exams">http://llc.ucdavis.edu/foreign-language-placement-exams</a> and check with your 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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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NOTE: Lower-division preparation for the Honors A.B. major in Theatre and Dance

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#### SELECT 4 UNITS FROM THE FOLLOWING:

DRAMART DRAMART DRAMART DRAMART DRAMART	40A 40B 42A	Fundamentals of Act Beg Modern Dance Int Modern Dance Beg Ballet Inter Ballet	(2) (2) (2)	DANCE 16.1 DANCE 16.3 DANCE 11.1	COURSE Modern Dand Modern Dand Ballet I Ballet III	ce III	(1.5) (1.5) (1.5) (1.5)
ALL OF THE FOLLOWING COURSES:							
DRAMART	28	Stagecraft & Management	(4)	NO COURSE ARTI submitted cour		_	
DRAMART	55	Cont Theatre Dance Perf	(4)	NO COURSE ARTI submitted cour		_	
DRAMART	56A	Hist Theatre Dance I	(4)	NO COURSE ARTI	CULATED: Co	ollege ha	as not
DRAMART	56B	Hist Theatre Dance II	(4)	submitted cour  NO COURSE ARTI	, ,		
			. ,	submited cours	e(s)for art	ticulatio	าท

END OF MAJOR

# ====Viticulture and Enology B.S.====

DRAMART 56C Hist Theatre Dance III (4) NO COURSE ARTICULATED: College has not

| submited course(s) for articulation

# 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 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.

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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 <a href="http://tag.ucdavis.edu">http://tag.ucdavis.edu</a> for details regarding UC Davis TAG.

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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.

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

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

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

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BIOLSCI 2A	Intro Biology:Life on Earth	(5)		Fundamentals of Biology (Cell and Molecular)	
PL SCI 2	Bot Physio Cul Plt	(4) NO COMPARABLE COURSE			
CHEM 2A	Genl Chemistry	(5)	  CHEM 1A   <b>OR</b>	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B	Genl Chemistry	(5)	CHEM 1A &	General Chemistry	(5)
			CHEM 1B OR	General Chemistry	(5)
			CHEM 4A &	<del>-</del>	(5)
			ļ	Quantitative Analysis	
			CHEM 4B	General Chemistry with	(5)
				Quantitative Analysis	
CHEM 2C	Genl Chemistry	(5)	CHEM 1B   OR	General Chemistry	(5)
			CHEM 4B	General Chemistry with Quantitative Analysis	(5)
CHEM 8A	Organic Chem-Brief	(2)	  CHEM 8 	Introductory Organic Chemistry	(5)
CHEM 8B	Organic Chem-Brief	(4)	CHEM 8	Introductory Organic	(5)
			İ	Chemistry	
PL SCI 21	Computers in Technology	(3)	AGBUS 2 	Agricultural Computer Applications	(3)
	OR EQUIVALENT A	ND a	dvisor APPI	ROVAL	

MATH 16A MATH 16B	Short Calculus Short Calculus	. ,	!			Calculus,			
PHYSICS 1A	Principles Physics AND	(3)	NO CC	MPAI	RABI	LE COURSE ANI			
PHYSICS 1B	Principles Physics <b>OR</b>	(3)	NO CC	MPAI	RABI	LE COURSE <b>OF</b>			
PHYSICS 7A	General Physics	(4)	PHYS	20	<u>&amp;</u>	General Lecture	-		(3)
			PHYS	20L	<u>&amp;</u>	General Part I	Physics	Lab	(1)
			PHYS	21	<u>&amp;</u>	General Lecture	_		(3)
			PHYS	21L		General Part II	Physics	Lab	(1)

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.

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VIT-ENO 2	Intro to Viticult	(2)   WINE 1   	Introduction Viticulture, Wines of the	Winemaking,	(3)
		Same	as: VIT 1		
VIT-ENO 3	Intro Winemaking	(3)   WINE 3	Introduction	to Enology	(4)

#### 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 <a href="https://doi.org/10.1001/journal.com/highly/recommended">highly recommended</a> 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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#### Transfer Admission Guarantee (TAG) Note:

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

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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.

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

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

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

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

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

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

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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 2016-18  $\underline{\text{General Catalog}}$ . Quick reference charts for  $\underline{\text{AP}}$  and  $\underline{\text{IB}}$  are also available from our TAG website.

UWRITING 1	Expository Writing <b>AND</b>	(4)	ENGL 1A 	College Composition  AND	(4)
COMUNCN 1	Intro Public Spkg  OR	(4)	SPCH 1A	Introduction to Public Speaking <b>OR</b>	(3)
COMUNCN 3	Intprsnl Com Cmpetnce OR	(4)	COMM 6	Interpersonal Communication OR	(3)
	Intro To Acting ting UWP 1 and Communicat			Introduction to Acting	(3)
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 2.1	Fundamentals of Biology (Cell and Molecular)	(5)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	- 	(Evolution, Genetics, and Zoology)	
			BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO 2.2 &   	Fundamentals of Biology (Evolution, Genetics, and Zoology)	(5)
			BIO 2.3	Fundamentals of Biology (Botany and Ecology)	(5)
CHEM 2A G	enl Chemistry	(5)	CHEM 1A	General Chemistry	(5)
			CHEM 4A	General Chemistry with Quantitative Analysis	(5)
CHEM 2B G	enl Chemistry	(5)	CHEM 1A &   CHEM 1B   OR		(5) (5)

			CHEM	4A 4	<u>&amp;</u> G	General C	Chemistry with	ı (5)
			  CHEM	4B	G	General C	ive Analysis Chemistry with	
CHEM 8A	Organic Chem-Brief	(2)	  CHEM	8	In		ive Analysis ory Organic	
CHEM 8B	Organic Chem-Brief	(4)	  CHEM 	8	In	-	ory Organic	(5)
MATH 16B	Short Calculus Short Calculus	(3)	MATH MATH	1A 1B	C	Calculus, Calculus,	First Course Second Cours	e (5) se (5)
PHYSICS 1A PHYSICS 1B	Principles Physics Principles Physics	(3)	NO CO	AGMC AGMC	RABI RABI	LE COURSE		
	ONE COURSE FROM THE FOLLOW							
W&F BIO 10	Wildl Ecol Conserve	(4)	INO CO	ועםעו	דמ ג ס	E COMPCE	1	
W&F BIO 10								as not
		(0)					for articulat	
W&F BIO 51	Intro to Conservation Biology	(3)	  BIO	12		asic Conc cology	cepts of	(3)
RECO	OMMENDED COURSES FOR THE WI	LDLI	FE HE	ALTH			CIALIZATION:	
CHEM 2C	Genl Chemistry	(5)	i		G	General C	Chemistry	(5)
			CHEM	_	C	eneral (	Chemistry with	n (5)
				12	Ç	Quantitat	ive Analysis	1 (3)
CHEM 118A	Org Chem, Hlth & Sci	(4)	CHEM	12A		Organic	Chemistry	(5)
CHEM 118B	Org Chem, Hlth & Sci				<u>&amp;</u>	Organic	Chemistry Chemistry	(5)
CHEM 118C	Org Chem, Hlth & Sci		CHEM			Organic	Chemistry	(5) (5)
	General Physics							(3)
			j			Lecture	Part I	
			İ		_	Part I	Physics Lab	(1)
			PHYS	21			Physics	(3)
			  PHYS	21т.		Lecture	Part II Physics Lab	(1)
				211		Part II	III, SIOS LOS	( - /
PHYSICS 7B	General Physics	(4)	PHYS	20		General		(3)
			  PHYS	2ΩТ.		Lecture	Part I Physics Lab	(1)
				2011	_	Part I	PHYSICS Lab	( 1 )
			PHYS	21	<u>&amp;</u>	General	Physics	(3)
						Lecture		
			PHYS	21L		General Part II	Physics Lab	(1)
PHYSICS 7C	General Physics	(4)	PHYS	20	&	General	Physics	(3)
			į			Lecture		
			PHYS	20L	<u>&amp;</u>	General Part I	Physics Lab	(1)
			  PHYS	21	&	General	Physics	(3)
				_	_	Lecture		/
			PHYS	21L		General Part II	Physics Lab	(1)

# ====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 <a href="http://engineering.ucdavis.edu/transfer-credit-agreements/">http://engineering.ucdavis.edu/transfer-credit-agreements/</a>

<u></u>		<u>-</u>					
MATH	21A	Calculus	(4)	MATH	1A	Calculus, First Course	(5)
MATH	21B	Calculus	(4)	MATH	1B	Calculus, Second Course	(5)
MATH	21C	Calculus	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	21D	Vector Analysis	(4)	MATH	1C	Calculus, Third Course	(4)
MATH	22A	Linear Algebra	(3)	MATH 	5	Introduction to Linear Algebra	(3)
MATH	22B	Differntl Equations	(3)	MATH 	2	Calculus, Fourth Course - Differential Equations	(3)
CHEM	2A	Genl Chemistry	(5)	CHEM		General Chemistry	(5)
				<u>0.</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
CHEM	2B	Genl Chemistry	(5)	CHEM CHEM	1в		(5) (5)
				CHEM	_	General Chemistry with Quantitative Analysis	(5)
				  CHEM 	4B	~	(5)
CHEM	2C	Genl Chemistry	(5)	   CHEM   <b>O</b> I		General Chemistry	(5)
				<u>01</u>   CHEM 	_	General Chemistry with Quantitative Analysis	(5)
CHEM	8A	Organic Chem-Brief	(2)	CHEM	8	Introductory Organic Chemistry	(5)
CHEM	8B	Organic Chem-Brief	(4)	CHEM 	8	Introductory Organic Chemistry	(5)
CHEM	118A	Org Chem, Hlth & Sci	(4)	CHEM	12A	Organic Chemistry	(5)
		Org Chem, Hlth & Sci		CHEM	12B	© Organic Chemistry Organic Chemistry	(5) (5)
CHEM	128A					Organic Chemistry	
	128B	Organic Chemistry		CHEM	12B		(5)
CHEM	129A	Organic Chem Lab	(2)	СНЕМ	12A		(5)
PHYSI						Classical Mechanics for Scientists and Engineers	(5)

PHYSICS 9B	Classical Physics	(5)	PHY   	S 41	Waves, Optics and Thermodynamics for Scientists & Engineers	(4)
PHYSICS 9C	Classical Physics	(5)	   PHY   	 S 42	Electricity and Magnetism for Scientists and Engineers	(4)
PHYSICS 9D	Modern Physics	(4)	   PHY   	S 43	Modern Physics for Scientists and Engineers	(3)
a) BIMEDEN 1	Intro Biomedical Engr	(2)	NO	COMPA	RABLE COURSE	
a) BIMEDEN 20	Fundamentals of Bioengineering	(4)	NO 	COMPA	ARABLE COURSE	
a) ENGIN 4	Graphics in Design	(3)	   ENG 	R 25	Engineering Graphics and Design	(3)
a) ENGIN 6	Engr Prob Solving	(4)	ENG 	R 6	Programming in MATLAB for Engineers	(3)
a) ENGIN 17	Circuits I	(4)	ENG 	R 16	Electric Circuits & Devices	(4)
a) ENGIN 35	Statics	(4)	ENG 	R 34	Engineering Mechanics: Statics	(3)
a) ENGIN 45	Prop of Mats	(4)	ENG	R 45	Properties of Materials	(4)
ENG CS 20	C Sci/Discrete Math	(4)	  MAT	'H 4	Discrete Mathematics	(4)
ENG CS 30	Programming&Prob Solving	(4)	  CS 		Introduction to Computer Programming	(4)
As of F18,	Course Number = ENG CS	36A	  CS	<u>OR</u> 17.11	. Java Programming	(3)
	Sftwr/Obj-Orien:C++  Course Number = ENG CS		İ		Data Structures and Algorithms	
	Machine Dependent Prog			12	Assembly Language Programming	(4)
ENG CS 60  As of F18,		(4) 36C	NO  sub	COURS	E ARTICULATED: College has ded course(s) for articulation	not on
a) ENG BS 1	Biosys Engr Fndts	(4)	NO	COMPA		
a) ENG BS 75	Prop Mat in Bio Sys	(4)	NO	COMPA		
a) ENG MEC 50	Mfg Processes	(4)	NO	COMPA		
a) ENG CHM 51	Material Balances	(4)	NO	COMPA		
	ngineering Problem Solv					
a) ENG CHM 80	Chem Engr Profession	(1)				

UWRITING 1	Expository Writing	(4)	ENG	L 1A	College Composition (4)
ENGLISH 3	Intro to Lit	(4)	ENG	L 1B	Literature and (3) Composition
COMUNCN 1	Intro Public Spkg	(4)	SPC  	H 1A	Introduction to Public (3) Speaking
COMUNCN 3	Intprsnl Com Cmpetnce	(4)	COMI 	и б	Interpersonal (3) Communication
BIOLSCI 2A	Intro Biology:Life on Earth	(5)	BIO 	2.1	Fundamentals of Biology (5) (Cell and Molecular)
BIOLSCI 2B	Intro Biology: Ecology & Evolution	(5)	 	2.2	(Evolution, Genetics, and Zoology)
BIOLSCI 2C	Intro Biology: Biodiversity & the Tree of Life		BIO      BIO 	2.2	(Evolution, Genetics, and Zoology)
c) GEOLOGY q)	50 Physical Geology	(3)	GEO	L 1	The Earth (3)
ATM SCI 60	Intro to Atmospheric Science	(4)	NO (	COMPA	ARABLE COURSE

- a) This articulation is approved for engineering majors.
- $_{
  m C})$  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.
- $\rm q)$  If a student takes GEOL 1 at Santa Rosa Junior College, credit will be given for UC Davis's GEOLOGY 1 or 50, not both.