

NATURAL SCIENCES
Earth Science Option, B.A. (120 Units)
Valid for Catalog Years: 2018/2019 to 2019/2020
*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the
the
CSM Advising and Resources Center
at 559-278-4150, Science I 136
Department of Science & Mathematics Interdisciplinary Courses and Programs:

	Freshman		Sophomore		Junior		Senior	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Units	15	15-16	16-17	17-18	15	13-17	16-18	15
Milestones								
General Education	A2 (3 Units) Written Communication *Must pass with a C or better; ENGL 10 recommended	A1 (3 Units) Oral Communication *Must pass with a C or better	C2 (3-4 Units) Humanities	C1/C2 (3-4 Units) Arts or Humanities	D3 (3 Units) Social Science	E1 (3 Units) Lifelong Understanding & Self Development	IC (3-4 Units) Arts & Humanities	
	A3 (3 Units) Critical Thinking *Must pass with a C or better	C1 (3-4 Units) Arts		D1 (3 Units) American History			ID (3-4 Units) Social, Political, & Economic Institutions	
				D2 (3 Units) American Government				
Major	GE Area B1 CHEM 1A (3 Units) Physical Sciences [Pre-Req: High school chemistry. May be taken concurrently: GE B4; CHEM 1AL] *Not open to students with credit in CHEM 1B	GE Area B2 BIOL 1A (4 Units) Life Sciences	BIOL 1B (3 Units) [Pre-Req: BIOL 1A; first-time enrollees must take BIOL 1BL concurrently]	BIOL 101 (4 Units) [Pre-Req: BIOL 1A, 1B; PSYCH 42 or MATH 101; MATH 70 or equivalent recommended]	EES 12 (3 Units) [Pre-Req: EES 1; CHEM 1A (may be taken concurrently)]	EES 30 (3 Units) [Pre-Req: EES 1, 2 (may be taken concurrently) OR instructor permission]	NSCI 106 (3 Units)	EES 112 (3 Units) [Pre-Req: GE Foundation & Breadth Area B] *Credit not allowed after completion of EES 2

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Units	15	15-16	16-17	17-18	15	13-17	16-18	15
Major	GE Area B3 CHEM 1AL (2 Units) Lab [Pre-Req: CHEM 1A (may be taken concurrently)]	CHEM 1B (3 Units) [Pre-Req: CHEM 1A & 1AL (both passed with a C or better); CHEM 1BL (may be taken concurrently)]	BIOL 1BL (1 Unit) [Pre-Req: First-time enrollees must take BIOL 1B concurrently]	PHYS 2A (4 Units) [Pre-Req: DS 71, MATH 75, MATH 70, or department permission]	EES 100 (2 Units) [Pre-Req: EES 12 (concurrent enrollment recommended)]	EES 101 (4 Units) [Pre-Req: EES 30, 100; CHEM 1B (may be taken concurrently)]	PSCI 21 (4 Units) [Pre-Req: Second-year high school algebra recommended]	EES 102 (3 Units) [Pre-Req: EES 30, 100]
	GE Area B4 MATH 75 (4 Units) Quantitative Reasoning *See course catalog for prerequisite requirements	CHEM 1BL (2 Units) [Pre-Req: CHEM 1B (may be taken concurrently)]	EES 1 (4 Units) [Pre-Req: MATH 4R or second-year high school algebra recommended]		EES 155 (3 Units) [Pre-Req: EES 1, 112, or instructor permission]	EES 110, 114, 117, 124; or GEOG 111 (3 Units) *See course catalog for prerequisite requirements	EES 110, 114, 117, 124; or GEOG 111 (3 Units) *See course catalog for prerequisite requirements	EES 105 (3 Units) [Pre-Req: EES 1; EES 30 (may be taken concurrently)]
				EES 3 (1 Unit)		PHYS 2B (4 Units) [Pre-Req: PHYS 2A]		GE Area IB EES 168 (3 Units) Physical Universe & Its Life Forms [Pre-Req: GE Foundation & Breadth Area B]
Additional Graduation Requirements			MATH 101 (4 Units) [Pre-Req: MATH 70, 75, or 75A & B] *No credit if taken after MATH 108 OR PSYCH 42 (4 Units)			UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better)		MI (3 Units) Multicultural/International

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	Freshman		Sophomore		Junior		Senior	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Units	15	15-16	16-17	17-18	15	13-17	16-18	15

FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

Electives (2 units): Units in this area may be used toward a double major or minor. Students must earn a minimum of 120 units total to graduate. The number of required elective units may vary, depending on the amount of units earned from major and GE courses.

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."

Substitutions: If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also includes the upperdivision writing requirement.

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Department of Science & Mathematics Interdisciplinary Courses and Programs: 559-278-5173, Science I 100

Units	Freshman		Sophomore		Junior		Senior	
	Fall 15	Spring 15-16	Fall 16-17	Spring 17-18	Fall 15	Spring 13-17	Fall 16-18	Spring 15
General Education	A2 (3 Units) Written Communication *Must pass with a C or better; ENGL 10 recommended	A1 (3 Units) Oral Communication *Must pass with a C or better	C2 (3-4 Units) Humanities	C1/C2 (3-4 Units) Arts or Humanities	D3 (3 Units) Social Science	E1 (3 Units) Lifelong Understanding & Self Development	IC (3-4 Units) Arts & Humanities	MI (3 Units) Multicultural/International
	A3 (3 Units) Critical Thinking *Must pass with a C or better	C1 (3-4 Units) Arts		D1 (3 Units) American History			ID (3-4 Units) Social, Political, & Economic Institutions	
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			EES 3 (1 Unit)		PHYS 2B (4 Units) [Pre-Req: PHYS 2A]			GE Area IB EES 168 (3 Units) Physical Universe & Its Life Forms [Pre-Req: GE Foundation & Breadth Area B]
Electives			MATH 101 (4 Units) [Pre-Req: MATH 70, 75, or 75A & B] *No credit if taken after MATH 108 OR PSYCH 42 (4 Units)			UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better)		

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