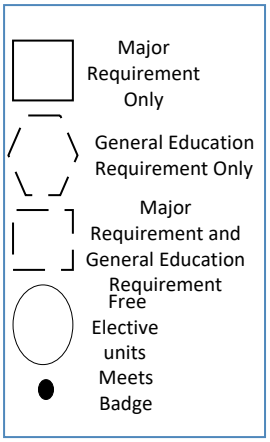
UNIVERSITY OF CALIFORNIA MERCED | SCHOOL OF NATURAL SCIENCES UNDERGRADUATE ADVISING

Template 1

Sample Plan and Course Flow Chart Template – ESS



Year 1	Semester 1 (16 Units)	ESS 01 Intro to Earth Systems Science (4 units)	MATH 11 or 21 Calculus I/Calculus I for Physical Sciences & Engineering (4 units)	SPARK Seminar (4 units)	CHEM 02/02H General Chemistry I (4 units)
	Semester 2 (16 Units)	ESS 10 Earth Resources (4 units)	MATH 12 or 22 Calculus II/Calculus II for Physical Sciences & Engineering (4 units)	WRI 10 College Reading & Composition (4 units)	CHEM 10/10H General Chemistry II (4 units)
Year 2	Semester 3 (14 Units)	Probability and Statistics (4 units)	GE Approaches to Knowledge Area B (4 units)	MATH 15 Intro to Scientific Data (2 units)	PHYS 08/08H or 18 Introductory Physics I or Physics I (4 units)
	Semester 4 (16 Units)	ESS 148/BIO 148 Fundamentals of Ecology (4 units)	GE Approaches to Knowledge Area B (4 units)	LD NS/ENGR Elective (4 units)	PHYS 09/09H or 19 Introductory Physics II or Physics II (4 units)
Year 3	Semester 5 (16 Units)	ESS 100 Environmental Chemistry in NS (4 units)	ESS 110 Hydrology and Climate (4 units)	Writing in Discipline (4 units)	GE Approaches to Knowledge Area B (4 units)
	Semester 6 (13 Units)	ESS 170/170L Fundamental of Soil Science and Lab (4 units)	ESS 190 Undergraduate Seminar (1 unit)	Upper Division ESS Elective (4 units)	GE ENGR Elective (4 units)
Year 4	Semester 7 (16 Units)	ESS 120 Ecological Microbiology (4 units)	Upper Division ESS Elective (4 units)	Upper Division ECON Elective (4 units)	Crossroads Course (4 units)
	Semester 8 (13 Units)	Upper Division ESS Elective (4 units)	Research or Service Learning Course (1-2 units)	UD NS/ ENGR/ GEOG/ MNGT Elective (4 units)	UD NS/ ENGR/ GEOG/ MNGT Elective (4 units)

- This sample plan demonstrates the recommended sequencing and timing of the required and elective components within the major.
- In many cases, a student's academic background will require variations in the timing of the coursework listed in the plan.
- All students are expected to work with their academic advisor to find their best pathway through the degree requirements of their chosen program.

Updated 10.4.18