

EARTH SYSTEM SCIENCE SAMPLE 4-YEAR PLAN

	Fall	Credits	Spring	Credits
First Year	EH 101 Freshmen Composition	3	EH 102 Freshmen Composition	3
	BYS 119 Principles of Biology	4	ESS 112 Severe Weather	4
	ESS 111 Climate and Global Change	4	MA 113 Precalculus Algebra w/Trigonometry	3
	MA 112 Precalculus w/Algebra	3	PHL 102 or PHL 150 (choose one)	3
	FYE 101 First Year Experience	1	General Education Requirement	3
	General Elective	1		
		16		16
Second Year	Fall	Credits	Spring	Credits
	ESS 103 Env. Earth Sci. Foundations & Apps	4	CH 123/126 General Chemistry II and lab	4
	CH 121/125 General Chemistry I and lab	4	PH 111/114 Physics w/ Calculus I & lab	4
	MA 171 Calculus A	4	MA 172 Calculus B	4
	CS 102 Intro to C Programming	3	General Education Requirement	3
	General Elective	1	General Elective	1
		16		16
Third Year	Fall	Credits	Spring	Credits
	ESS 321 Pollution Problems	3	ESS 305 Hydrology	3
	MA 201 Calculus C	4	ESS 370 Intro to Remote Sensing	3
	MA 238 Differential Equations	3	ESS 401 Survey of Atmospheric Science	3
	PH 112/115 Physics w/Calculus II & lab	4	MA 244 Linear Algebra	3
	General Education Requirement	3	PH 113 + PH 116 Physics w/ Calculus III	4
		17		16
Fourth Year	Fall	Credits	Spring	Credits
	ESS 441 Atmos. Thermo & Cloud Physics	3	ESS 454 Forecasting Mesoscale Processes	3
	ESS 451 Atmos. Fluid dynamics I	3	ESS 499 Research Thesis	2
	ESS 498 Research Proposal	1	MA 300+ elective course	3
	MA 385 Intro to Probability and Statistics	3	General Education Requirement	3
	EH 301 Technical Writing	3	General Education Requirement	3
	General Education Requirement	3	General Education Requirement	3
		16		17
TOTAL	128 +			

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