

Degree: BS Physics - Planetary science option

UCORE	Credits	Semester	Term
Arts [ARTS]	3	All	
Biology [BSCI]	3	All	
Diversity [DIVR]	3	All	
English 101 [WRIG] College composition	3	All	
Equity [EQSJ]	3	All	
History 105 [ROOT] Roots of civilization	3	All	
Humanities [HUM]	3	All	
Social sciences [SSCI]	3	All	
STEMcourses			
Chem 105 [PSCI] Chemistry 1	4	All	
Chem 106 Chemistry 2	4	All	
Com 400 [COMM] or English 402 [WRIG] Technical writing	3	All	
Cpts 111 Python programming	3 or 4	Varies	
Math 171 [QUAN] Calculus 1	4	All	
Math 172 Calculus 2	4	All	
Math 220 or 230 Algebra 1	2 or 3	All	
Math 273 Calculus 3	2	All	
Math 315 Differential equations	3	All	
Stat 212 [QUAN] Introduction to statistics	4	All	
Entry to the major			
Astr 138 or SOE 103 Introduction to planetary sciences	3	All	
Phys 188 or SOE 100 First year seminar	1	Fa	
Physics			
Astr 345 Principles of astronomy	3	Fa	
Astr 435 Astrophysics 1	3	Sp	
Astr 450 [CAPS] Life in the universe	3	Fa	
Phys 201/211 [PSCI] Physics 1	4	All	
Phys 202/212 Physics 2	4	All	
Phys 303 Modern physics 1	3	Fa	
Phys 304 Modern physics 2	3	Sp	
Environmental Science			
SOE 102 Geology	4	Fa	
SOE 210 [PSCI] Earth history and evolution	4	Sp	

SOE 340 [M] Structural geology and plate tectonics	4	Sp	
SOE 350 Earth materials	4	Fa	
SOE 356 Magmatic processes and critical minerals	3	Sp	
SOE 357 Metamorphic rocks	3	Fa	
SOE 474 [CAPS][M] Physics and chemistry of the Earth	3	Fa	
SOE 480 How to build a habitable planet	3	Fa	
SOE 499 or Phys 499 Independent research	1 to 4	Varies	
Soil Science 374 Remote sensing	3	Sp	
Electives			
Free elective	3	All	
Milestones			
University writing portfolio			
College foreign language requirement			