

Course 12 Major Planetary Science and Astronomy Roadmap				Questions? eaps-ed-office@mit.edu			
<i>Fall</i>		<i>IAP</i>	<i>Spring</i>				
Courses (YR1)	Units (YR1)		Units (YR1)	Units (YR1)			
[GIR] Physics I	12			[GIR] Physics II	12		
[GIR] Chemistry	12			[GIR] Calculus II	12		
[GIR] Calculus	12			HASS	12		
HASS (CI-H)/CI-HW)	12			Elective	12		
						8	# subjects
						0	# subjects in major
						12	# units beyond GIRs
Courses (YR2)	Units (YR2)		Units		Units		
HASS (CI-H)	12			HASS	12		
[GIR] Biology	12			[INTRO] 12.002 Introduction to Geophysics and Planetary Science	12		
[INTRO;REST] 12.001 Introduction to Geology	12			[INTRO] 12.003: Introduction to Atmosphere, Ocean, and Climate Dynamics	12		
[SUPPORTING] 8.03: Physics III	12			[SUPPORTING;REST] 18.03: Differential Equations	12		
						8	# subjects
						5	# subjects in major
						36	# units beyond GIRs
Courses (YR3)	Units (YR3)		Units		Units		
HASS	12			HASS	12		
[COMPUTATION] 12.010: Computational Methods of Scientific Programming	12			[SUPPORTING] 18.05 Introduction to Probability and Statistics	12		
[CONCENTRATION] 12.420 / 12.422: Essentials of Planetary Science / Planetary Atmospheres	12			Elective	12		
[CONCENTRATION] 12.412 / 12.425[J]: Meteorites, Cosmochemistry, and the Solar System Foundation / Extrasolar Planets: Physics and Detection Techniques	12			Elective	12		
						8	# subjects
						4	# subjects in major
						72	# units beyond GIRs
Courses (YR4)	Units (YR4)		Units		Units		
HASS	12			HASS	12		
12.TIP-Thesis Preparation	6			[CI-M] 12.THU-Undergraduate Thesis	12		
[CONCENTRATION] 12.420: Essentials of Planetary Science or 12.422: Planetary Atmospheres	12			Elective	12		
[LAB CI-M] 12.410: Observational Techniques of Optical Astronomy	15			Elective	12		
Elective	6					8	# subjects
						3.5	# subjects in major
						60	# units beyond GIRs
						180	Total # units beyond GIRs
Notes:	12.420 and 12.422 are in alternate years.						