

**Departmental/Program Major Courses (40 credits)**

**Required Major Courses (40 credits)**

- \_\_\_\_\_ (3) EAPS 10500<sup>cc</sup> Planets (*also satisfies Science Selective for core*)
- \_\_\_\_\_ (3) EAPS Introductory Course<sup>cc</sup> [EAPS 11700 (fall), 11800 (fall)]
- \_\_\_\_\_ (1) EAPS 13700<sup>cc</sup> First Year Seminar in EAPS (spring)
- \_\_\_\_\_ (3) EAPS Elective (could satisfy Science, Technology & Society for core)
- \_\_\_\_\_ (3) ASTR 36300 The Solar System (fall)
- \_\_\_\_\_ (3) EAPS 55600 Planetary Geology (fall of even years)
- \_\_\_\_\_ (3) EAPS 39100 Astrobiology (fall of odd years)
- \_\_\_\_\_ (3) EAPS 57700 Remote Sensing of Planets (spring of even years) or EAPS 30900 Computer Aided Analysis (spring)
- \_\_\_\_\_ (3) AAE 45000 Engineering Design (spring)
- \_\_\_\_\_ (3) Planetary Science Elective \*
- \_\_\_\_\_ (3) Planetary Science Elective \*
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- \_\_\_\_\_ (3) Science/Engineering Elective (based on areas of interest)
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\*EAPS 31900, 32000, 35200, 35300, 39000, 42000, 42100, 42200, 42300, 43100, 43200, 43300, 44000, 45500, 47400, [49000 or EAPS 3xxx field geology], or EAPS 577 or EAPS 309 if not taken as part of Core.

**Other Departmental /Program Course Requirements (69-75 credits)**

- \_\_\_\_\_ (4-5) MA 16100, MA 16500 <sup>cc</sup> Calculus I Option (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (4-5) MA 16200, MA 16600 <sup>cc</sup> Calculus II Option (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (4) MA 26100<sup>cc</sup> Calculus III (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (4) MA 26200 Linear Algebra/Differential Equations (*satisfies Quantitative Reasoning Selective for core*)
- \_\_\_\_\_ (4) CHM 11500<sup>cc</sup> Chemistry I (*satisfies Science Selective for core*)
- \_\_\_\_\_ (4) CHM 11600<sup>cc</sup> Chemistry II (*satisfies Science Selective for core*)
- \_\_\_\_\_ (4) PHYS 17200<sup>cc</sup> Physics I (*satisfies Science Selective for core and Teambuilding and Collaboration Experience*)
- \_\_\_\_\_ (4) PHYS 27200 Physics II (*satisfies Science Selective for core*)
- \_\_\_\_\_ (4) CS Computer Programming Option CS 17700 Rec., 15800, 18000. (*satisfies Teambuilding and Collaboration Experience*)
- \_\_\_\_\_ (3) STAT 30100 Statistics (*satisfies Information Literacy Selective for core*)
- \_\_\_\_\_ (3-4) ENGL 10600 or ENGL 10800 *First-Yr Composition*(*satisfies Written Communication & Information Literacy for core*)
- \_\_\_\_\_ (3) Technical Writing/Technical Presentation Option COM 217 Rec. (*satisfies Oral Communication for core*)
- \_\_\_\_\_ (3-4) Language I Option
- \_\_\_\_\_ (3-4) Language II Option
- \_\_\_\_\_ (3-4) Language III/Culture/Diversity Option
- \_\_\_\_\_ (3) General Education I Option(Select courses could satisfy Human Culture Behavioral/Social Science for core)
- \_\_\_\_\_ (3) General Education II Option (Select courses could *satisfy Human Cultures Humanities for core*)
- \_\_\_\_\_ (3) General Education III Option (Select courses could satisfy Humanities Behavioral/Social Science for core)
- \_\_\_\_\_ (3) Great Issues Option
- \_\_\_\_\_ (3) Multidisciplinary Experience (could be satisfied by Science, Technology & Society core classes)

**Electives (5-11 credits if needed to reach 120 credits of countable credits)**

- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_

**University Core Requirements**

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

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**The student is ultimately responsible for knowing and completing all degree requirements.  
Degree Works is a knowledge source for specific requirements and completion**

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**Planetary Sciences**  
Department of Earth, Atmospheric, and Planetary Sciences

Fall 2016

**Suggested Arrangement of Courses:**

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
3	EAPS 11700 <sup>cc</sup> or 11800 <sup>cc</sup>		3	EAPS 10500 <sup>cc</sup> * Planets	
5	MA 16100 <sup>cc</sup> * Calculus I	ALEKS score	1	EAPS 13700 <sup>cc</sup> Fr. Seminar	
4	CHM 11500 <sup>cc</sup> * Chemistry I	Calc co-req	5	MA 16200 <sup>cc</sup> * Calculus II	Calc I
4	ENGL 10600* (1 <sup>st</sup> or 2 <sup>nd</sup> sem) English		4	CHM 11600 <sup>cc</sup> * Chemistry II	CHM 115
			3	Language I Option	
<b>16</b>			<b>16</b>		= 32 credits

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MA 26100 <sup>cc</sup> * Calculus III	Calc II	3	EAPS Elective	
4	PHYS 17200 <sup>cc</sup> * Physics I	Calc I	4	MA 26200 Linear Algebra/Diff Equa	Calc III
3	General Education I Option*		3	PHYS 27200 Physics II	PHYS 172
3	Language II Option		3	Technical Writing/Presentation*	COM 217 REC.
			3	Language III/Culture/Diversity Option	
<b>14</b>			<b>16</b>		= 62 credits

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	Planetary Science Elective		3	Planetary Science Elective <sup>a</sup>	
3	ASTR 36300 Solar System	Calc, PHYS	3	Free Elective	
3	STAT Statistics		3	Great Issues Option	
4	CS Computer Programming Option	CS 177 Rec.	3	Science/Engr Elective	
3	EAPS 55600 Planetary Geology <sup>b</sup>		3	Science/Engr Elective	
<b>16</b>			<b>15</b>		= 93 credits

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	EAPS 39100 Astrobiology <sup>b</sup>		3	AAE 45000 Spacecraft Design	SR classification
3	Planetary Science Elective <sup>a</sup>		3	EAPS 57700 Remote Sensing Or 30900 Computer Aided Analysis [EAPS 105, CS 177 pre-reqs]	
3	Multidisciplinary Experience/STS Selective*		3	General Education III Option*	
3	General Education II Option*		3	Free Elective	
3	Free Elective				
<b>15</b>			<b>12</b>		= 120 credits

\*Satisfies a University Core Requirement

<sup>a</sup> Electives for advanced courses and specializations.

<sup>b</sup> EAPS 55600 and 39100 Astrobiology are offered alternate years and may be switched in the above schedule.

Students must earn a "C-" or better in all required <sup>cc</sup> courses.  
**120 semester credits required for Bachelor of Science degree.**  
**2.0 Graduation GPA required for Bachelor of Science degree.**  
**2.0 average in EAPS major classes required to graduate.**

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