

FIRST YEAR ASTRONOMY & PHYSICS MAJORS (BS)

Students should expect to take an English Composition course, a math course, a general education course, and an orientation to the College of STEM.

Students must place into or complete certain math courses before they are eligible to take General Chemistry and General Physics. For majors in their first semester, the math course they place into will determine which of these courses they are able to take in their first semester. Students need PHYS 1501/L before taking PHYS 2610/L if they did not have high school physics.

Students who have earned college credit for any of the courses below will work with an advisor to identify appropriate courses for the first semester.

Your academic advisor will make every effort to accommodate your schedule preferences; however, course availability will be limited in many cases, and may mean that have to take a course at a time that might not be what you would prefer. It is important to remember that your advisor has your long term goals in mind as you work toward pursuing your degree and career.

Math Placement = Level 10

First Semester Courses	Required Degree Area	Credits
English composition (based on placement)	General Education	3-4
STEM 1520: STEM First Year Orientation	Major and General Education	2
Math 1505: Intermediate Algebra with Applications	Preparation for required math	5
ASTR 1504: Descriptive Astronomy	Major and General Education	3
***General Education course	General Education	3
		16-17

Math Placement = Level 20

First Semester Courses	Required Degree Area	Credits
English composition (based on placement)	General Education	3-4
MATH 1507: Intermediate Algebra or MATH 1510/1510C: College Algebra with Co-requisite	Preparation for required math or preparation for required math and General Education	3 or 6
STEM 1520: STEM First Year Orientation	Major and General Education	2
ASTR 1504: Descriptive Astronomy	Major and General Education	3
***General Education course	General Education	3
		14-18

Math Placement = Level 35

First Semester Courses	Required Degree Area	Credits
English composition (based on placement)	General Education	3-4
MATH 1510: College Algebra and/or MATH 1511: Trigonometry	Preparation for required math and General Education	3-4
STEM 1520: STEM First Year Orientation	Major and General Education	2
ASTR 1504: Descriptive Astronomy	Major and General Education	3
***General Education course	General Education	3
		14-16

Math placement = Level 45

First Semester Courses	Required Degree Area	Credits
English composition (based on placement)	General Education	3-4
MATH 1513: Algebra and Transcendental Functions (Pre-Calculus)	Preparation for required math and General Education	5
CHEM 1515/L: General Chemistry I and Lab	Major and General Education	4
ASTR 1504: Descriptive Astronomy	Major and General Education	3
STEM 1520: STEM First Year Orientation	Major and General Education	2
		17-18

Math Placement = Level 70

First Semester Courses	Required Degree Area	Credits
English composition (based on placement)	General Education	3-4
Math 1571: Calculus I	Major and General Education	4
PHYS 2610/PHYS 2610L: General Physics I and Lab	Major and General Education	5
ASTR 1504: Descriptive Astronomy	Major and General Education	3
STEM 1520: STEM First Year Orientation	Major and General Education	2
		17-18

* RSS 1510 if required by placement