

Titan Takeoff 2019 / Natural Science Introductory Courses & Math /Other Prerequisites

COURSE	COURSE TITLE	PREREQUISITES	NOTES
Anthropology 202	Intro to Biological Anthro	None	Does not create a pair
Biology 104	Ecosphere in Crisis	None	Does not create a pair
Biology 105	Concepts of Bio: Unity	None	
Chemistry 101	Gen/Org Biochem I	Math 103 with C or higher placement	Declared pre-nursing, Radiologic Science, Biology Healthcare-Business, Kinesiology, or Elem Ed major
Chemistry 102	Gen/Org Biochem II	Chemistry 101 or 105 with a grade of (C) or better	Declared pre-nursing, Radiologic Science, Biology Healthcare-Business, Kinesiology, or Elem Ed major
Chemistry 105	General Chemistry I	Completion of or concurrent enrollment in Math 104 or 108. Or higher placement or course enrollment or completed higher course.	Completed higher course must be in Math, will not accept Psych 203, Soc 281, CJ 281
Chemistry 106	General Chemistry II	Chemistry 105 with a grade of (C) or better and either completion of Math 104 with a grade of C or better, completion/placement of any higher math course	
Engineering Tech 130	Basic Electrical Circuits I	Math 106 with C or better	
Engineering Tech 131	Basic Electrical Circuits II	Engineering Tech 130	
Geography 121	Phys Geog I: Weather & Climate	Math 103 with a grade of C or better or placement into Math 104 or higher.	
Geography 221	Phys Geog II: Landforms/Soils	Completion of Geography 121	
Geology 102	Physical Geology	None	Students may receive credit for only one: Geology 102, 110 OR 150
Geology 112	Dinosaurs	None	Does not create a pair
Geology 150	Environmental Geology	None	Students may receive credit for only one: Geology 102, 110 OR 150
Geology 109	Evolution of the Earth	Geology 102, 110 or 150	SPRING ONLY
Phys/Ast 103	The Solar System	PBIS 187 or 188 or 189 or Math 103 with C or better OR placement to Math 104	Does not create a pair with Phys/Ast 104
Phys/Ast 104	Stars, Galaxies & Universe	PBIS 187 or 188 or 189 or Math 103 with C or better OR placement to Math 104	Does not create a pair with Phys/Ast 103
Physics 171	General Physics	Mathematics 108 or equivalent (Math 104 + Math 106) with C or better	Recommended for liberal arts majors and pre-professionals.
Physics 172	General Physics	Physics 171 and Mathematics 108 or equivalent (Math 104 + Math 106) with C or better	Recommended for liberal arts majors and pre-professionals.
Physics 191	General Physics	Concurrent registration or previous completion of Math 171	Recommended for students in pre-engineering and majors in physics, chemistry, or mathematics.
Physics 192	General Physics	Physics 191 and concurrent registration or previous completion of Math 172	Recommended for students in pre-engineering and majors in physics, chemistry, or mathematics.

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Approved Natural Science Pairings:

Biology

- 105 (4 credits) and 106 (4 credits) (*No math prerequisite*)
- 105 (4 credits) and 211 (4 credits)
- 105 (4 credits) and 230 (4 credits)
- 105 (4 credits) and 231 (4 credits)
- 105 (4 credits) and 233 (4 credits)
- 105 (4 credits) and 304 (3 credits)
- 105 (4 credits) and 308 (5 credits)
- 105 (4 credits) and 309 (5 credits)
- 105 (4 credits) and 321 (3 credits)
- 105 (4 credits) and 337 (3 credits)
- 105 (4 credits) and 350 (4 credits)
- H: 108 (5 credits) and 106 (4 credits) (*No math prerequisite*)
- H: 108 (5 credits) and 211 (3 credits)
- H: 108 (5 credits) and 230 (4 credits)
- H: 108 (5 credits) and 231 (4 credits)
- H: 108 (5 credits) and 233 (4 credits)
- H: 108 (5 credits) and 304 (3 credits)
- H: 108 (5 credits) and 308 (5 credits)
- H: 108 (5 credits) and 309 (5 credits)
- H: 108 (5 credits) and 321 (3 credits)
- H: 108 (5 credits) and 337 (3 credits)
- H: 108 (5 credits) and 350 (4 credits)

Chemistry

- 101 (4 credits) and 102 (4 credits) (*Math 103+ prerequisite*)
- 103 (4 credits) and 104 (4 credits) (*No math prerequisite*)
- 105 (5 credits) and 106 (5 credits) (*Math 104+ placement and concurrent enrollment in Math 104 or prior completion of Math 104+.*)

Engineering Technology

- 130 (4 credits) and 131 (4 credits) (*Math 106.C or better*)
- 130 (4 credits) and 320 (4 credits) (*Math 106 C or better*)

Geography

- 121 (4 credits) and 221 (4 credits) (*Math 103+ prerequisite*)

Geology

- 102 (4 credits) and 109 (4 credits) (*No math prerequisite*)
- 102 (4 credits) and 205 (4 credits)
- H: 110 (4 credits) and 109 (4 credits)
- H: 110 (4 credits) and 205 (4 credits)
- 150 (4 credits) and 109 (4 credits) (*No math prerequisite*)
- 150 (4 credits) and 205 (4 credits)

(Please note: Students may receive credit for only one of the following: Geology 102, 110, or 150. The classes cancel one another out.)

Physics

- 171 (5 credits) and 172 (5 credits) (*Math 108 or higher OR Math 104 + 106 completed C or better*)
- 171 (5 credits) and 311 (4 credits)
- 191 (5 credits) and 192 (5 credits) (*Math 171 pre- or co-requisite*)
- 191 (5 credits) and 311 (4 credits)