

Geology-Physics Combined Major

Degree Type

Bachelor of Arts

Total credit requirements for Geology-Physics Combined Major

61-62 total credits (with no credit for prior experience)

- 25 credits in geology
- 21-22 credits in physics
- 13 credits in mathematics and statistics (including Mathematics 125 and 126)
- 4 credits in chemistry

Required Geology Courses

Item #	Title	Credits
	Introductory Geology	4
Geology 227	Sedimentology and Stratigraphy	4.0
Geology 270	Minerals, Society, and the Environment	4.0
Geology 310	Geophysics	3.0
Geology 358	Field Geology of the Northwest	1.0
Geology 405	Volcanoes and the Solid Earth	4.0
Geology 420	Structural Geology	4.0
Geology 470	Senior Seminar	1.0

Required Physics Courses

- Physics 347 may not be used to satisfy multiple requirements

Item #	Title	Credits
	Physics 145 or 155 or 347	4
Physics 156	General Physics II	4.0
Physics 245	Twentieth Century Physics I	3.0
Physics 255	Twentieth Century Physics Laboratory	1.0
Physics 267	Analog & Digital Electronics and Instrumentation	3.0
	Two courses from Physics 325, 339, 347, 357, 385	6

Related Supporting Science Courses

Item #	Title	Credits
Chemistry 125	General Chemistry I	3.0
Chemistry 135	General Chemistry Lab I	1.0
	13 credits in mathematics (including Mathematics 125 and 126)	13

- No courses taken PDF may be applied to the major
- If students place out of Physics 155, they must take Physics 347

Senior Requirements

- Geology 470
- Senior assessment:
 - Comprehensive written exams in both geology and physics
 - One-hour oral exam by physics and geology faculty

Honors

- Students submit a Honors in Major Study Application to their department
- Students must submit a proposal for their thesis or project
 - Must be submitted within the first six weeks of the two-semester period in which student is eligible
- Accumulated at least 87 credits
- Completed two semesters of residency at Whitman.
- Cumulative GPA of at least 3.300 on all credits earned at Whitman College
- Major GPA of at least 3.500
- Complete a written thesis or research project prepared exclusively for the satisfaction of this program
- Earn a grade of at least A- on the honors thesis or project and the honors thesis course.
- Pass the senior assessment with distinction
- The department will submit the Honors applications to the Registrar's Office of students pursuing Honors by the specified deadline
- The department submit "Senior Assessment/Major Study Certificate" to the Registrar's Office no later the Reading Day
- An acceptable digital copy of the Honors Thesis must be submitted to Penrose Library no later than Reading Day

Total Credits

61-62