

Mathematics-Physics Combined Major

Degree Type

Bachelor of Arts

Total credit requirements for Mathematics-Physics Combined Major

49 credits (24 credits in Physics and 25 credits in Mathematics, if starting with Physics 155 and Mathematics 124 or 125)

Required Mathematics Courses

Item #	Title	Credits
Mathematics and Statistics 225	Calculus III	4.0
Mathematics and Statistics 240	Linear Algebra	3.0
Mathematics and Statistics 244	Differential Equations	3.0
	Mathematics 367 or 368	3
	6 additional credits in Mathematic courses numbered above 200	6

Required Physics Courses

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
	Three additional courses from among 300 to 480 level physics offerings and the course/lab combination of BBMB 324/334	9

Other Notes

- If students place out of Physics 155 they must take 347

Senior Requirements

- Senior assessment
 - Written exam in mathematics
 - Written exam in physics
 - Combined oral exam
 - Scheduled by the physics department

Honors

- Students submit an 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

49
