

Typical Graduate-School Bound Student Schedule

Freshman Year

Fall	Spring
4 Physics 1160 (Intro Physics)	4 Physics 1601 (Intro. Mechanics)
4 Math 1115 (Calc. I)	4 Math 1116 (Calc. II)
4 Chem 1127 (Chem. I)	4 Chem1128 (Chem. II)
4 English	3 Gen Ed.
1 F.Y.E.	
17 Credits	15 Credits

Sophomore Year

Fall	Spring
4 Physics 1602 (Intro. E&M)	3 Physics 2300 (Development of Modern Phys.)
3 Physics 2501WC (Physics Lab)	3 Physics ##### (Math Methods for Physics Majors)
4 Math 2110 (Multi variable Calculus)	3 Math 2410 (Differential Equations)
3 Gen Ed	3 Gen Ed
3 Gen Ed	3 Gen Ed
17 Credits	15 Credits

Junior Year

3 Physics 3101 (Mechanics I.)	3 Physics 3202 (E&M II.)
3 Physics 3201 (E&M I.)	3 Physics 3402 (Quantum II.)
3 Physics 3401 (Quantum I.)	3 Physics 3300 (Statistical Mechanics)
3 Math 3146 (Complex Variables)	3 Math ##### (Elective towards minor)
3 Gen Ed	3 Gen Ed.
Undergrad Research Recommended	Undergrad Research Recommended
15 + research	15 + research

Senior Year

3 Physics ##### (Physics Elective/Advance Lab/Grad Course)	3 Physics ##### (Physics Elective/Advance Lab/Grad Course)
3 Physics 4096W (Senior Thesis)	3 Physics ##### (Physics Elective/Advance Lab/Grad Course)
3 Math ##### (Elective towards minor)	3 Elective (Physics or non-Physics)
3 Elective (Physics or non-Physics)	3 Elective (Physics or non-Physics)
Undergrad Research Recommended	Undergrad Research Recommended
12 + research	12 + research

Total Credits **118** + research

Notes: This plan was based around a student without AP Calculus or AP Physics with the goal of not exceeding 17 credits in any given semester while also providing that Quantum II, E&M II, and Statistical Mechanics be taken before Senior Year. This plan exceeds the minimum number of physics credits needed to graduate by 7 (not counting research); however I feel that it allows for a better foundation and more exploration of sub fields (personally all my electives are physics electives or grad courses). This plan also assumes a math minor, which is both recommended and easily obtained with a physics major. Finally this plan requires at least 2 credits of research in order to meet the 120 credit graduation mark. I recommend more two credits and that research start Junior year so a thesis can be written senior year. It would be exceptionally good for the student if research is started at a preliminary level Sophomore year, so Junior year is more thorough, however this is not of absolute importance. Of course all of this is flexible, and students who come in with AP credits will benefit nicely with a decreased load of Gen Ed.'s.