

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester One:						
PHYS 1310 & 1310L (General Physics, 160 & 160L)	4	4		4		C
PHYS 1311* (Prob in Gen Physics, 167)						CR
MATH 1512 (Calculus I, 162)	4	4		3		C
Gen Ed Choice (1st English Composition, ENGL 1110)	3			3		C
Gen Ed Second Language	3			3		C
Total:	14	8	0	13	0	
<i>Advisement: Try a Freshman Learning Community - 2 core classes</i>						
<i>At time of registration</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Three:						
PHYS 2310 & 2310L (General Physics, 262 & 262L)	4	4				C
PHYS 2311* (Prob in Gen Physics, 267)						CR
MATH 2530 (Calculus III, 264)	4	4	4			C
Gen Ed Communication (COMM 1130, ENGL 2210 or 2120, PHIL 1120)	3			3		C
Gen Ed Humanities	3			3		C
Total	14	8	4	6	0	
<i>Transition to Major Status</i>						
<i>(once semester grades are in)</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Five:						
PHYC 303 (Analytical Mechanics I)	3	3			3	C
PHYC 313* (Prob in Analytical Mechanics I)						CR
Phys/Astro elective 2	3	3			3	C
Upper Division MATH/STAT**	3		3		3	C
2 nd Major or Upper-Division Elective	3				3	C
Gen Ed Social and Behavioral Sciences	3			3		C
Total	15	6	3	3	12	
<i>Visit Career Services</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Seven:						
Phys/Astro elective 4	3	3			3	C
Elective Any Level	3					D-
2 nd Major or Upper-Division Elective	3				3	C
2 nd Major or Upper-Division Elective	3				3	C
2 nd Major or Upper-Division Elective	3				3	C
Total	15	3	0	0	12	
<i>Advisement: Departmental Check-In / Senior Visit</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Two:						
PHYS 1320 & 1320L (General Physics, 161 & 161L)	4	4		3		C
PHYS 1321* (Problems in Gen Physics, 168)						CR
MATH 1522 (Calculus II, 163)	4	4				C
Gen Ed Communication (2nd English Composition, ENGL 1120)	3			3		C
Gen Ed Arts and Design	3			3		C
Total:	14	8	0	9	0	
<i>Advisement: Enhanced Degree Audit skills</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Four:						
PHYS 2415 (Computational Physics, 290)	3	3				C
PHYC 330 (Intro Modern Physics)	3	3			3	C
PHYC 331* (Problems in Modern Physics)						CR
MATH 311 (Vector Analysis)	3	3	3		3	C
MATH 316 (Applied Ordinary Diff. Equations)	3	3	3		3	C
ASTR 2115 & 2115L (General Astronomy, 271 & 271L)	4	4				C
Total	16	16	6	0	9	

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Semester Six:						
Phys/Astr elective 1: PHYC 405 (Electricity and Magnetism I)	3	3			3	C
PHYC 415* (Problems in Electricity and Magnetism I)						CR
Phys/Astro elective 3	3	3			3	C
Upper Division MATH/STAT**	3		3		3	C
2 nd Major or Upper-Division Elective	3				3	C
Elective Any Level	3					D-
Total	15	6	3	0	12	
<i>Complete Graduation Workshop & Apply for degree</i>						
<i>Advisement: Departmental Check-In</i>						
<i>(after 4th week)</i>						

Course Subject and Title	Credit Hrs.	Major	Minor or 2nd Major	Gen Ed	Upper Div.	Min. Grade
Semester Eight:						
2 nd Major or Upper-Division Elective	3				3	C
Elective Any Level (if recitations not taken)	3					D-
Elective Any Level (if recitations not taken)	3					D-
Elective Any Level	3					D-
Elective Any Level	3					D-
Elective Any Level	2					
Total	17	0	0	0	3	
<i>Advisement: Senior Visit</i>						
<i>Visit Graduation Fair</i>						

Degree Total	120	55	16	31	48	
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The New Mexico General Education Curriculum (31 units)

Communication: (6 credit hours)

Mathematics and Statistics: (3 credit hours)

Physical and Natural Sciences: (4 credit hours)

Social and Behavioral Sciences: (3 credit hours)

Humanities: (3 units)

Second Language: (3 credit hours)

Arts and Design: (3 credit hours)

Student Choice: (6 credit hours)

Arts and Sciences College Minimum Requirements

Total credit hours = 120

300/400 level credit hours = 48

Minimum credit hours taught in A&S = 90

University Residence Requirements

a. Minimum hours = 30

b. Senior standing = 15 past 92

c. In major = One half

d. In minor = One quarter

Minimum graduation GPA = 2.00

Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative grade point average for admission to and graduation from the College of Arts and Sciences. Minimums listed for the individual courses do NOT meet the

*Physics 1311, 1321, 2311, 331, 311, 313, 311, 415, 416, 496, and 497 are all one credit hour Recitation Sections associated with Physics 1310, 1320, 2310, 330, 301, 303, 304, 405, 406, 491, and 492, respectively. These recitation sessions are practice in solving problems from the associated lecture courses. They are very useful and strongly recommended for the major.

Notes:

Required Classes: One of the Physics courses 301, 303, 405 and 491, plus four additional 3cr upper level courses in physics or astrophysics, one of which must be in astrophysics and one of which must be a lab (not including ASTR 455, PHYC 451, and 452).

This roadmap assumes 303, and that the additional courses do not have problems hours, which may not be the case.

**Recommended and will complete Mathematics or Statistics Minor, if not taken another minor (or 2nd Major) must be completed.

Departmental Honors Program

The Departmental Honors Program requires 2 semesters of an Honors Section of Physics 456. The student and faculty mentor present a mutually-agreeable topic to the department for approval. Also, the University requires a GPA of at least a GPA of at least 3.25. See the Honors web page for more information at physics.unm.edu/pandaweb/undergraduate/programs/honors.php

For more information see the catalogue at www.unm.edu

Contact Information

Major Advisor:

Email:

Website: physics.unm.edu

Minor Advisor:

Email:

Website:

College Advisor:

Email:

Website: artsci.unm.edu/advisement/index.html