

Degree Progression Plan

Freshman Year					
1 st term			2 nd term		
PHY 161	University Physics I	3	PHY 262	University Physics II	3
PHY 161L	University Physics I Lab	1	PHY 262L	University Physics II Lab	1
MAT 136	Calculus I (SCI: SAS)	4	MAT 137	Calculus II (FNRQ)	4
CHM 151	General Chemistry I (SCI: LAB)	4	ENG 105	Critical Reading & Writing (FNRQ)	4
CHM 151L	General Chemistry I Lab (SCI: LAB)	1	CHM 152	General Chemistry II (SCI: SAS)	3
EGR 186	Introduction to Engineering: Design	3			
PHY 103	First Year Seminar	1			
Total units			17	Total units	
				15	

Sophomore Year					
3 rd term			4 th term		
PHY 263	University Physics III	3	PHY 361	Modern Physics	3
MAT 238	Calculus III	4	PHY 265	Introduction to Computational Physics	3
CENE 225	Engineering Analysis	3	MAT 239	Differential Equations	3
EE 188	Electrical Engineering I	3	EGR 286	Engineering Design: Process	3
EE 188L	Electrical Engineering I Lab	1	LS/DIV	Liberal Studies/ Diversity *	3
Total units			14	Total units	
				15	

Junior Year					
5 th term			6 th term		
PHY 321	Mechanics I	3	PHY 476C	Senior Project I	1
CENE 251	Applied Mechanics Statics	3	PHY 333W	Advanced Lab	3
ME 291	Thermodynamics I	3	PHY 331	Electricity and Magnetism I	3
CS 122	Programming for Engineering & Science (SCI: SAS) **	3	CENE 253	Mechanics of Materials	3
LS	Liberal Studies	3	CENE 253L	Mechanics of Materials Lab	1
			LS/DIV	Liberal Studies/Diversity *	3
Total units			15	Total units	
				14	

Senior Year					
7 th term			8 th term		
PHY 486C	Senior Project II	3	ME 386	Machine Design	3
ME 340	Materials Science	3	ME	Major Elective ***	3
ME 252	Applied Mechanical Dynamics	3	ME	Major Elective ***	3
ME 395	Fluid Mechanics	3	LS	Liberal Studies	3
LS	Liberal Studies	3	LS	Liberal Studies	3
Total units			15	Total units	
				15	

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total
			CHM 151 & L (5)	
			CHM 152 (3)	
				MAT 136 (4)

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

* Take a Liberal Studies course that also satisfies a diversity requirement.

** CS 122 is not required for this degree, but is a pre-requisite for ME 386.

***Major Electives include 6 additional units of 300-400 level technical courses chosen from BIO, CENE, CHM, EE, GLG, MAT, ME, or PHY in consultation with your advisor

You may not count more than one grade below a C in a physics or astronomy course toward the major requirements for this degree.

GENERAL INFORMATION

- This degree progression plan is to be used in conjunction with the academic catalog and degree progress report.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- Many courses have pre-requisites. Please check the academic catalog for pre-requisite and placement information.
- Submit graduation application during 7th term.
- Honors students complete different requirements to meet NAU's liberal studies program. Students should consult an Honors Program advisor for complete information on fulfilling Honors Liberal Studies requirements.
- All students are required to complete at least 120 total units which includes:
 - 35 units of liberal studies courses: <http://www4.nau.edu/aio/Articulation/LScourcelist.htm>
 - 6 units of diversity courses (3 units in Global & 3 units in Ethnic). The diversity requirement may be fulfilled in any part of the program of study: <http://www4.nau.edu/aio/Articulation/DiversityCourseList.htm>
 - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU
- English placement: <http://www.nau.edu/comp/placement.html>
- Math placement: <http://www.math.nau.edu/placement.html>

CONTACT INFORMATION

Department of Physics and Astronomy
Building 19, Room 209
Phone: 928-523-2661
Department Chair: David Cornelison
Phone: 928-523-7641
EMAIL: David.Cornelison@nau.edu

Debbie Wildermuth
Academic Services Coordinator
College of Engineering and Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
EMAIL: Debbie.Wildermuth@nau.edu