

**Bachelor of Science in Engineering  
ELECTRICAL ENGINEERING**  
Electrical Engineering Emphasis  
2008-2009 Undergraduate Catalog  
**Degree Progression Plan**

Freshman Year					
1 <sup>st</sup> term			2 <sup>nd</sup> term		
EE 110	Digital Logic and Lab	4	EE 188	Electrical Engineering I	3
EGR 186	Introduction to Engineering Design	3	EE 188L	Electrical Engineering I Lab	1
ENG 105	Critical Reading and Writing (FNRQ)	4	MAT 137	Calculus II (FNRQ)	4
MAT 136	Calculus I (SCI: SAS)	4	PHY 161	University Physics I (SCI: LAB)	3
FYE 101	First Year Experience	1	PHY 161L	University Physics I Lab (SCI: LAB)	1
			CS 122	Programming for Engineering & Science (SCI: SAS)	3
Total units			16	Total units	
				15	

Sophomore Year					
3 <sup>rd</sup> term			4 <sup>th</sup> term		
MAT 238	Calculus III	4	PHY 263	University Physics III	3
EE 222	Intermediate Programming	3	MAT 239	Differential Equations	3
CENE 225	Engineering Analysis	3	EE 215	Microprocessors w/ Lab	4
PHY 262	University Physics II (SCI: SAS) **	3	EGR 286	Engineering Design: Process	3
PHI 105	Introduction to Ethics (AHI)	3	EE 280	Introduction to Electronics	4
Total units			16	Total units	
				17	

Junior Year					
5 <sup>th</sup> term			6 <sup>th</sup> term		
EE 364	Fundamentals of Electromagnetics	4	EE 386W	Engineering Design: Methods	3
EE 380	Fundamentals of Electronics: Circuits	4	EE 348	Fundamentals of Signals & Systems	4
EE 325	Engineering Analysis II	3	EE 310	Fundamentals of Computer Engineering	4
CHM 151	General Chemistry I (SCI: SAS)	4	ME	Major Elective ***	3
CHM 151L	General Chemistry I Lab **	1	LS/DIV	Liberal Studies / Diversity *	3
Total units			16	Total units	
				17	

Senior Year					
7 <sup>th</sup> term			8 <sup>th</sup> term		
EE 476C	Engineering Design Procedure	1	EE 486C	Capstone Design	3
ME	Major Elective ***	3	ME	Major Elective ***	3
ME	Major Elective ***	3	ME	Major Elective ***	3
ME	Major Elective ***	3	LS	Liberal Studies	3
LS/DIV	Liberal Studies / Diversity *	3	LS	Liberal Studies	3
LS	Liberal Studies	3			
Total units			16	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
PHI 105 (3)			PHY 161 & 161L (4)	
			CS 122 (3)	
				PHY 262 (3)

## **PROGRAM INFORMATION**

A minimum of 128 units are required for this degree.

You can not have more than two grades of D in your engineering and computer science courses.

\*Take a Liberal Studies course that also satisfies a Diversity requirement.

\*\* Completion of either CHM 151L OR PHY 262L is required. (CHM 151L is highly recommended.)

\*\*\* Major electives include 18 units from the following:

- 6 units from CENE 150, CENE 251, CENE 280, ME 252, ME 291, ME 340, ME 350 or ME 451
- 6 units from any 400-level EE courses
- 6 units from any 400 or 500-level EE courses

## **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 7<sup>th</sup> 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 7<sup>th</sup> 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**

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