

Bachelor of Science in Engineering CIVIL ENGINEERING

2006-2007 Undergraduate Catalog

Degree Progression Plan

		Fres	hman Year		
1 st term			2 nd term		
CENE 150	Introduction to Environmental Engineering	3	EGR 186	Introduction to Engineering Design	3
CHM 151	General Chemistry I (LAB)	4	CENE 180	Computer Aided Drafting	2
CHM 151L	General Chemistry I Lab (LAB)	1	MAT 137	Calculus II (FNRQ)	4
ENG 105	Critical Reading and Writing (FNRQ)	4	PHY 161	University Physics I (SAS)	3
MAT 136	Calculus I (SAS)	4	PHY 161L	University Physics I Lab	1
FYE 101	First Year Experience	1	PHI 105 or PHI 331	Introduction To Ethics or Environmental Ethics (AHI)	3
	Total uni	ts 17		Tot	al units 16
		G 1	*7		
	ard .	Soph	omore Year	4th	
GENTE 225	3 rd term	10 1	GD110 450	4 th term	<u> </u>
CENE 225	Engineering Analysis	3	CENE 253	Mechanics of Materials	3
CENE 251	Applied Mechanics: Statics	3	CENE 253L	Mechanics Materials Lab	1
CENE 270	Plane Surveying/Lab	3	EGR 286	Engineering Design: Process	3
MAT 238	Calculus III	4	ME 291	Thermodynamics I	3
PHY 262	University PHY II (SAS)	3	MAT 239	Differential Equations	3
			LS/DIV	Liberal Studies/ Diversity *	3
	Total uni	ts 16		Tot	al units 16
		Ju	nior Year		
5 th term			6 th term		
CENE 376	Structural Analysis I	3	CENE 333	Applied Hydraulics	3
ME 252	Applied Mechanics: Dynamics	3	CENE 333L	Applied Hydraulics Lab	1
ME 395	Fluid Mechanics	3	CENE 383	Soil Mechanics & Foundations	4
CENE 420	Traffic Studies & Signals	3	CENE 386W	Engineering Design: Methods	3
SE	Science Elective **	3	CENE 433	Hydrology & Flood	3
			LS/DIV	Liberal Studies/ Diversity *	3
Total units 15				Tot	al units 17
		Se	nior Year		
	7 th term			8 th term	
CENE 331	Sanitary Engineering	3	EE 188	Electrical Engineering I	3
CENE 418	Highway Engineering	3	CENE 486C	Engineering Design: Capstone	3
CENE 438	Reinforced Concrete	3	TE	Technical Elective ***	3
CENE 476	Senior Design Seminar	1	LS	Liberal Studies	3
CENE 450	Geotechnical Evaluation	3	LS	Liberal Studies	3
TE	Technical Elective ***	3			
Total units 16 Total units 15					

- 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.

PROGRAM INFORMATION

A minimum of 126 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.

** Science electives include 3-4 units of: BIO 181/181L, CHM 152, CHM 230, GLG 101/103, PHY 263 or other courses approved by department.

*** Technical electives include 6 units from the following list. At least 3 units must be from the CENE technical electives list.

- CENE technical electives: CENE 377, CENE 436, CENE 437, CENE 468, CENE 499
- Other non-CENE approved electives include: CS 122, CM 329, CM 391, CM 460; EGR 325, EGR 389; GGR 239; GLG 451; MAT 316, MAT 362; STA 371, STA 471, STA 472; ME 340, ME 441, ME 442, ME 451, ME 454, ME 455, ME 484; PL 201

GENERAL INFORMATION

- 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/LScourselist.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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