

Undeclared Major



College of Engineering

www.engineering.uiowa.edu

- 128 semester hours of specific coursework are required for graduation. Students may take additional coursework that will not be applicable toward degree requirements.
- A total of 15 SH of General Education Components (GEC) are required.
<https://www.engineering.uiowa.edu/current-students/advising/general-education-component>
- Foreign Language Requirement: Satisfactory completion of two-years of one high school foreign language or one-year of one college-level foreign language is required for freshman students graduating from high school in 1990 and after; transfer students, 1991 and after.

1 st YEAR	Session	Course	Undeclared Engineering	SH	Pre-Requisite or Co-Requisite	
1 st Semester	All	MATH:1550	Engineering Math I - Single Variable Calculus	4	P: H.S. Algebra & Trigonometry	
	F/S	ENGR:1100	Intro to Engineering Problem Solving	3		
	All	CHEM:1110	Principles of Chemistry I	4		
	F/S	RHET:1030	Rhetoric	4		
	F	ENGR:1000	Engineering Success Seminar	1		
Total				16		
2 nd Semester	All	MATH:1560	Engineering Math II - Multivariable Calculus	4	P: MATH:1550	
	F/S	ENGR:1300	Intro to Engineering Computing	3	C: MATH:1550	
	All	PHYS:1611	Introductory Physics I	4	C: MATH:1550	
	All	MATH:2550	Engineering Math III - Matrix Algebra	2	P: MATH:1550	
	All	GEC OR		3		
All	CHEM:1120	Principles of Chemistry II	4	P: CHEM:1110		
Total				16 or 17		
2 nd YEAR	All	MATH:2560	Engineering Math IV - Differential Equations	3	P: MATH:1560 & MATH:2550	
	All	ENGR:2110	Engineering Fundamentals I - Statics	2	P: MATH:1550; C: PHYS:1611; MATH:1560	
	3 rd Semester	All	ENGR:2120	Engineering Fundamentals II - Electrical Circuits	3	C: MATH:2560
		All	ENGR:2130	Engineering Fundamentals III - Thermodynamics	3	P: CHEM:1110, PHYS:1611; C: MATH:1560
	F/S	PHYS:1612 or	Introductory Physics II	3 or 4	P: PHYS:1611; C: MATH:1560	
	All	GEC	(optional)	3		
Total				14 or 15		

Engineering Majors

- Biomedical
- Chemical and Biochemical
- Civil
- Computer Science and Engineering
- Electrical
- Environmental
- Industrial
- Mechanical

For More Information:

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