

AE Suggested Semester by Semester Plan

All student enrolled in the AE degree are strongly encouraged to identify their engineering program (mechanical, electrical, etc.) and the 4 year Engineering institution they wish to transfer. Electives are determined by these choices.

Please see your advisor and visit the NC Engineering Pathways website for more information. <http://www.ncengineeringpathways.org/>

			Class	Lab	Clinic	Work	Credit	
								Exp.
Fall Semester								
ACA 122	College Transfer Success		0	2	0	0	1	
EGR 150	Intro to Engineering		1	2	0	0	2	
ENG 111	Writing and Inquiry		3	0	0	0	3	
MAT 271	Calculus I		3	2	0	0	4	
CHM 151	General Chemistry I		3	3	0	0	4	
	Subtotal							(14)
Spring Semester								
	Either							
CHM 152	General Chemistry II		3	3	0	0	4	
	OR							
	General Education & Pre-Major Course Elective***				3-4			
ENG 112	Writing/ Research in the Disciplines		3	0	0	0	3	
MAT 272	Calculus II		3	2	0	0	4	
PHY 251	General Physics I		3	3	0	0	4	
	Subtotal							(14-15)
Summer Term								
	Social/Behavioral Science Elective**				3			
	Humanities Elective**				3			
	Subtotal				(6)			
Fall Semester								
	Either							
DFT 170	Engineering Graphics		2	2	0	0	3	
	OR							
	General Education & Pre-Major Course Elective***				3-4			
ECO 251	Principles of Microeconomics		3	0	0	0	3	
MAT 273 ¹	Calculus III		3	2	0	0	4	
PHY 252	General Physics II		3	3	0	0	4	
	Subtotal							(14-15)
Spring Semester								
	Fine Arts/Communication Elective							
	Either							
EGR 220	Engineering Statics		3	0	0	0	3	
	Or							
	General Education & Pre-Major Course Elective***				3-4			
	Either							
MAT 285	Differential Equations		3	0	0	0	3	
	OR							
	General Education & Pre-Major Course Elective***				3-4			
	General Education & Pre-Major Course Elective***				3-4			
	Subtotal							(11-15)

*** General Education & Pre-Major Course Electives must total 15 Credit hours

Total Semester Credit Hours in Program **60**