Major/Program	Mathematics (Engineering)	
College	Science and Mathematics	
Department	Mathematics and Computing	
Contact	Dr. Dave Slimmer, Dean	
2022-2023		

Can be moved to any semester

First Semester		
Course	Notes	Hours
CHEM 111		4
ENGL 101	Core Academic Skills (General Education)	3
HIST 101, HIST 102, or POLS 103	Behavioral and Social Perspectives (General Education)	3
MATH 141	Core Academic Skills (General Education)	4
LINK 101	Leadership, Involvement, Networking and Knowledge (General Education)	1

First Semester

Notes

World Cult

Scientific and Mathematical

Reasoning (General Education)

Second Year

Course

ES 314

MATH 241 **MATH 308**

Math Elective

PHYS 211

F	irst Semester	
Course	Notes	Hours
CHEM 112 or GEOL 111	as required by engineering field	4
CIS 202		3
HUMA 285, PHIL 101, PHI 103, MUSI 101, or THTR 2	Education	3
MATH 421 or MATH 431		3
MATH 311		3

Subtotal

Subtotal

Subtotal

neral Education)

15

lours

3

4

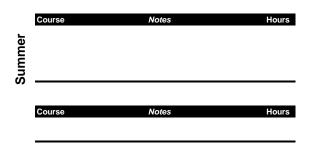
3

3

4

17

16



Lander University 4-Year Major Guide Odd Year Fall Entry

Secon	d Semester			TOTALS
Course	Notes	Hours		
CIS 130		4		
ENGL 102	Core Academic Skills (General Education)	3		
MATH 134		3		
MATH 142	Scientific and Mathematical Reasoning (General Education)	4		
PSYC 101, SOC1 101, or POLS 103	Behavioral and Social Perspectives (General Education)	3		
				Yearly Totals
	Subtotal	17	\rightarrow	32
Secon	d Semester			
Course	Notes	Hours		
Floctivo		2		

Course	Notes	Hou
Elective		3
ENGL 201, ENGL 202, ENGL 204, ENGL 205, ENGL 214, ENGL 221, or ENGL 241	Humanities and Fine Arts (General Education)	3
MATH 242		4
PHYS 212		4

			Yearly Totals
	Subtotal	14	31
Sec	cond Semester		
Course	Notes	Hours	
Elective		4	-
HIST 111 or POLS 101	Founding Documents (General Education)	3	
MATH 499		1	
Math Elective		3	
Math Elective		3	
FALS 101		0	Yearly Totals
	Subtotal	14	→ 30
	Total Hours Required		1
	From Lander:		93
Course	Notes	Hours	
Clemson Course	Clemson encourages students to take one course at Clemson in the summer prior to entering the engineering program.	3	
			Yearly Totals
	Subtotal	3	→ 3
Course	Notes	Hours	
Transferred from Clemson		24	•
	Subtotal	24	→ Yearly Totals 24
	Total Hours Required:		120

Civil Engineering requires CHEM 111 and GEOL 111. Industrial, Mechanical and Computer Engineering require only CHEM 111. All other engineering programs require CHEM 111 and CHEM 112

Students in Mechanical Engineering strongly encouraged to take MATH 300:Numerical Analysis. Students in Electrical Engineering strongly encouraged to take MATH 431: Analysis I or MATH 432: Complex Analysis

Notes on elective Hours:

CIS 230 is recommended for Electrical Engineering

CIS 231 is recommended for Computer Engineering

SPCH 101 is strongly encouraged for Ceramic and Materials, Electrical and Industrial Engineering programs

Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major