

Major/Program	Mathematics (Engineering)
College	Science and Mathematics
Department	Mathematics and Computing
Contact	Dave Slimmer, Dean

2017-2018

Lander University
4-Year Major Guide
Odd Year Entry

	First Semester	Second Semester	TOTALS	
First Year	Course	Notes	Hours	
	MATH 141	Mathematics (Gen. Educ.)	4	
	CHEM 111		4	
	ENGL 101	Writing (General Education)	3	
	Foreign Language	University Requirement	3	
	LINK 101	University Requirement	1	
	Subtotal		15	
Second Year	Course	Notes	Hours	
	MATH 241		4	
	PHYS 211	Laboratory Science (General Education)	4	
	MATH 308		3	
	Math Elective (MATH 300 or MATH 325)		3	
	Literature	General Education	3	
	Subtotal		17	
Third Year	Course	Notes	Hours	
	MATH 421 or MATH 431		3	
	MATH 311		3	
	CIS 202		3	
	MUSI 101 or THTR 201	Fine Arts (General Education)	3	
	PEES 175	Wellness (General Education)	2	
	PEES 176	Wellness (General Education)	1	
		Subtotal		15
		Course	Notes	Hours
		MATH 142		4
	^ CHEM 112 or GEOL 111		4	
	ENGL 102	Writing (General Education)	3	
	MATH 134		2	
	Foreign Language	University Requirement	3	
	Subtotal		16	
		Yearly Totals	31	
	Course	Notes	Hours	
	MATH 242		4	
	PHYS 212	Laboratory Science (General Education)	4	
	CIS 130	Logic & Analytical Thought (General Education)	4	
	HIST 101 or HIST 102	History (General Education)	3	
	Humanities or Literature	General Education	3	
	Subtotal		18	
		Yearly Totals	35	
	Course	Notes	Hours	
	MATH 499		1	
	Math Elective		3	
	Math Elective		3	
	* CHEM 381 or ECON 321	Global Issues / Nonwestern Studies (General Education)	3	
	PSYC 101 or SOCI 101	Behavioral Science (General Education)	3	
	ECON 201 or POLS 101 or POLS 103	Political Economy (General Education)	3	
	FALS 101	University Requirement	1	
	Subtotal		17	
		Yearly Totals	32	
Summer	Total Hours Required From Lander:			
	98			
	Course	Notes	Hours	
	Math Elective or Elective	Clemson encourages students to take one course at Clemson in the summer prior to entering the engineering program.	3	
	Subtotal		3	
		Yearly Totals	3	
	Course	Notes	Hours	
	Transferred from Clemson		21	
	Subtotal		21	
		Yearly Totals	21	
	Total Hours Required:			
	122			

* Some courses in the Global Issues/Nonwestern Studies category may satisfy Clemson's Science and Technology in Society requirement
^ 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
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
Coursework must include at least 30 hours earned in 300 or above level courses, of which 12 hours must be in the major