

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

2017-2018

<p>Lander University 4-Year Major Guide Even Year Fall Entry</p>
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	First Semester			Second Semester			TOTALS
	Course	Notes	Hours	Course	Notes	Hours	
First Year	MATH 141	Mathematics (Gen. Educ.)	4	MATH 142		4	
	CHEM 111		4	^ CHEM 112 or GEOL 111		4	
	ENGL 101	Writing (General Education)	3	ENGL 102	Writing (General Education)	3	
	ECON 201 or POLS 101 or POLS 103	Political Economy (General Education)	3	CIS 130	Logic & Analytical Thought (General Education)	4	
	LINK 101	University Requirement	1	MATH 134		2	
		Subtotal		15	Subtotal		17
Second Year	MATH 241		4	MATH 242		4	
	PHYS 211	Laboratory Science (General Education)	4	PHYS 212	Laboratory Science (General Education)	4	
	MATH 311		3	HIST 101 or HIST 102	History (Gen. Educ.)	3	
	CIS 202		3	PEES 175	Wellness (Gen. Educ.)	2	
	Foreign Language	University Requirement	3	PEES 176	Wellness (Gen. Educ.)	1	
		Subtotal		17	Subtotal		17
Third Year	MATH 421 or MATH 431		3	MATH 499		1	
	MATH 308		3	Math Elective		3	
	Math Elective (MATH 300 or MATH 325)		3	Math Elective		3	
	Humanities or Literature	General Education	3	*CHEM 381 or ECON 321	Global Issues / Nonwestern Studies (General Education)	3	
	Literature	General Education	3	PSYC 101 or SOCI 101	Behavioral Science (General Education)	3	
		Subtotal		15	Subtotal		17
Summer							
				Course	Notes	Hours	
				Major 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 From Lander:						98
	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