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

2018-2019

Lander University
4-Year Major Guide
Odd Year Fall Entry

First Year

First Semester

Course	Notes	Hours
MATH 141	*Core Academic Skills (General Education)*	4
CHEM 111		4
ENGL 101	*Core Academic Skills (General Education)*	3
HIST 101, HIST 102, or POLS 103	*General Education Elective*	3
LINK 101	*Core Academic Skills (General Education)*	1
	Subtotal	**15**

Second Semester

Course	Notes	Hours
MATH 142	*Scientific and Mathematical Reasoning (General Education)*	4
PSYC 101, SOC1 101, POLS 101, or POLS 103	*Behavioral and Social Perspectives (General Education)*	3
ENGL 102	*Core Academic Skills (General Education)*	3
CIS 130		4
MATH 134		2
	Subtotal	**16**

TOTALS: 31

Second Year

Course	Notes	Hours
MATH 241		4
PHYS 211	*Scientific and Mathematical Reasoning (General Education)*	4
MATH 308		3
Math Elective (MATH 300 or MATH 325		3
Foreign Language	*Core Academic Skills (General Education)*	3
	Subtotal	**17**

Course	Notes	Hours
MATH 242		4
PHYS 212		4
CHEM 381	*Global Issues and Cultures (General Education Elective)*	3
PSYC 101, SOC1 101, POLS 101, or POLS 103	*Behavioral and Social Perspectives (General Education)*	3
	Subtotal	**14**

TOTALS: 31

Third Year

Course	Notes	Hours
MATH 421 or MATH 431		3
MATH 311		3
CIS 202		3
MUSI 101 or THTR 201	*Humanities and Fine Arts (General Education)*	3
CHEM 112 or GEOL 111 as required by engineering field		4
	Subtotal	**16**

Course	Notes	Hours
MATH 499		1
Math Elective		6
ENGL 201, ENGL 202, ENGL 204, ENGL 205, ENGL 214, ENGL 221, or ENGL 241	*Humanities and Fine Arts (General Education)*	3
ELECTIVES		3
General Education Elective	*General Education*	2
FALS 101	*Core Academic Skills (General Education)*	0
	Subtotal	**15**

TOTALS: 31

Total Hours Required From Lander: **93**

Summer

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		24
	Subtotal	**24**

Yearly Totals: 24

Total Hours Required: **120**

*** Some courses in the Global Issues and Cultures 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 programs

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