

Lander University & Clemson University: Engineering Course Equivalencies

CU COURSE	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech. or AuE
You must achieve a grade of 'C' or higher in all General Engineering courses before changing your major into a specific engineering major. General Engineering courses are recommended prior to transfer, but not required.										
CH 1010	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111	CHEM 111
ENGL 1030	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102	ENGL 102
ENGR 1020	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202 ^b	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202	CIS 130 + CIS 202
ENGR 1410										
MATH 1060	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141	MATH 141
MATH 1080	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142	MATH 142
PHYS 1220 + 1240	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211	PHYS 211
<i>Additional coursework that may be taken towards a Clemson University Engineering Degree</i>										
BIOL 1030 + 1050	BIOL 101	BIOL 101						BIOL 101	BIOL 101 ^a	
CH 1020	CHEM 112	CHEM 112		CHEM 112		CHEM 112	CHEM 112	CHEM 112	CHEM 112 ^a	CHEM 112
CH 2230 + 2270	CHEM 221	CHEM 221		CHEM 221			CHEM 221			CHEM 221
CH 2240 + 2280	CHEM 222			CHEM 222						CHEM 222
CH 3310 + 3390				CHEM 401 ^f						CHEM 401 ^c
CH 3320 + 3400				CHEM 402 ^f						CHEM 402 ^c
COMM 2500					SPCH 101	SPCH 101		SPCH 101	SPCH 101	
ENGL 3140			WRIT 450		WRIT 450	WRIT 450				WRIT 450
CPSC 1110					CIS 230	CIS 230				
GEOL 1010 + 1030			GEOL 111				GEOL 111	GEOL 111 ^a		
MATH 2060	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241	MATH 241
MATH 2080	MATH 242	MATH 242	MATH 242	MATH 242	MATH 242	MATH 242	MATH 242		MATH 242	MATH 242
MATH 3020	MATH 311 ^g		MATH 311				MATH 311			MATH 311
MATH 3110					MATH 308	MATH 308 ^h		MATH 308		
MATH 4120					MATH 321 ⁱ	MATH 321 ⁱ				
MATH 4190					MATH 325	MATH 325 ⁱ				
MATH 4350					MATH 432 ⁱ	MATH 432 ⁱ				
MATH 4530					MATH 431 ⁱ	MATH 431 ⁱ				
MICR 3050		BIOL 301					BIOL 301			
PHYS 2210 + 2230	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212	PHYS 212
	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech. or AUE

^a Options to complete lab science requirement, choose one

^b May require additional coursework, verify with Clemson prior to enrolling

^c For MSE majors pursuing the polymeric materials concentration

^d For Biosystems Engineering majors pursuing the bioprocess engineering emphasis area

^e Option to complete biochemistry requirement for Chemical Engineering majors pursuing the biomolecular engineering concentration

^f For ChE majors not pursuing the biomolecular engineering concentration

^g For Bioengineering majors pursuing the biomaterials concentration

^h Option to complete special requirement

ⁱ Option to complete advanced mathematics or special requirement, choose one

Students desiring to transfer into one of Clemson's 10 engineering majors must have completed a minimum of 30 hours of transferrable coursework with a minimum GPA of 2.7. This is a minimum requirement to be evaluated, and does not mean certain acceptance. The Undergraduate Admissions office makes all decisions on student acceptance.

Admissions Office: 105 Sikes Hall, 864-656-2287

This worksheet is intended as information only and does not imply a contract with Clemson University.
All engineering major curriculums are available online at: <http://www.registrar.clemson.edu/html/catalog.htm>.

If you have questions or need further advice, please contact the CECAS Transfer Coordinator:

Karen Thompson, M.Ed, at kt@clemson.edu or 864-656-2543.

Lander course	Clemson Course	Course Title	Hum Lit (3cr)	Hum Non-Lit (3cr)	Social Science (6cr*)	REACH ACT
Econ 101	ECON 2000	Economic Concepts			•	
Econ 202	ECON 2110	Principles of Microeconomics			•	
Econ 201	ECON 2120	Principles of Macroeconomics			•	
Engl 221	ENGL 2120	World Literature	•			
Engl 201	ENGL 2130	British Literature	•			
Engl 241	ENGL 2150	20 th -21 st Century Literature	•			
Engl 202, 204 or 205	ENGL 2140	American Literature	•			
Geog 101	GEOG 1010	Introduction to Geography			•	
Hist 111	HIST 1010	History of the U.S. (1 st part)			•	•
Hist 112	HIST 1020	History of the U.S. (2 nd part)			•	
Hist 101	HIST 1720	Western Civilization I			•	
Hist 102	HIST 1730	Western Civilization II			•	
Huma 330	HUM 3090	Studies in Humanities		•		
Musi 101	MUSC 2100	Music Appreciation		•		
Musi 333	MUSC 3140	World Music		•		
Phil 102	PHIL 1010	Intro. To Philosophic Problems		•		
Phil 103	PHIL 1020	Intro. To Logic		•		
PolS 101	POSC 1010	American National Government			•	•
PolS 103	POSC 1020	Intro. to International Relations			•	
Psyc 101	PSYC 2010	Introduction to Psychology			•	
Soci 101	SOC 2010	Introduction to Sociology			•	
Soci 202	SOC 2020	Social Problems			•	
Thtr 201	THEA 2100	Theatre Appreciation		•		

Prior to graduation from Clemson, all Engineering students must complete the General Education requirements specified in their curriculum. Gen Ed requirements changed for 2022-2023 year, from “STS” and “CCA” to GLCH (*need individual review for transfer*). Transfer students can use any curriculum year from when they started the DE program until graduation, so long as continually enrolled without any semester break (excluding summers)

SC REACH ACT requirements can be met by Clemson’s HIST 1010 or POSC 1010

- Credit hours vary. Check the current Undergraduate Announcements for exact credit hours and pre- or co-requisite requirements.
- Some courses may fulfill multiple requirements at one time and are noted by asterisks in multiple columns.

This is only an advising guide and not a contract. The Undergraduate Announcements of your official curriculum year has the authoritative list.

Courses may change at the discretion of the university or engineering department. Not all courses are offered every semester.