

## Lander University & Clemson University: Engineering Course Equivalencies

CU COURSE	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech.
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 <sup>b</sup>	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 <sup>a</sup>		
CH 1020	CHEM 112	CHEM 112		CHEM 112		CHEM 112	CHEM 112	CHEM 112 <sup>a</sup>	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 <sup>f</sup>					CHEM 401 <sup>e</sup>	
CH 3320 + 3400				CHEM 402 <sup>f</sup>					CHEM 402 <sup>e</sup>	
COMM 2500			SPCH 101		SPCH 101	SPCH 101		SPCH 101	SPCH 101	
ENGL 3140			ENGL 450		ENGL 450	ENGL 450				ENGL 450
CPSG 1110					CIS 230	CIS 230				
GEOL 1010 + 1030			GEOL 111				GEOL 111	GEOL 111 <sup>a</sup>		
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 <sup>g</sup>		MATH 311				MATH 311			MATH 311
MATH 3110					MATH 308	MATH 308 <sup>f</sup>		MATH 308		
MATH 4120					MATH 321 <sup>f</sup>	MATH 321 <sup>f</sup>				
MATH 4190					MATH 325	MATH 325 <sup>f</sup>				
MATH 4350					MATH 432 <sup>f</sup>	MATH 432 <sup>f</sup>				
MATH 4530					MATH 431 <sup>f</sup>	MATH 431 <sup>f</sup>				
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.

<sup>a</sup> Options to complete lab science requirement, choose one

<sup>b</sup> May require additional coursework, verify with Clemson prior to enrolling

<sup>c</sup> For MSE majors pursuing the polymeric materials concentration

<sup>d</sup> For Biosystems Engineering majors pursuing the bioprocess engineering emphasis area

<sup>e</sup> Option to complete biochemistry requirement for Chemical Engineering majors pursuing the biomolecular engineering concentration

<sup>f</sup> For ChE majors **not** pursuing the biomolecular engineering concentration

<sup>g</sup> For Bioengineering majors pursuing the biomaterials concentration

<sup>h</sup> Option to complete special requirement

<sup>i</sup> 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](mailto:kt@clemson.edu) or 864-656-2543.

## Lander University course equivalencies for Clemson General Education Courses

Lander course	Clemson Course	Course Title	Hum Lit (3cr)	Hum Non-Lit (3cr)	Social Science (6cr <sup>+</sup> )	CCA (3cr)*	STS (3cr)*
Art 309	AAH 101	Survey of Art & Arch. Hist. I		•			
Anth 101	ANTH 201	Introduction to Anthropology			•	•	
Econ 202	ECON 211	Principles of Microeconomics			•		
Econ 201	ECON 212	Principles of Macroeconomics			•		
Engl 211	ENGL 212	World Literature					
Engl 214	ENGL 212	World Literature					
Engl 221	ENGL 212	World Literature	•				
Engl 201	ENGL 213	British Literature	•				
Engl 202	ENGL 213	American Literature					
Engl 204	ENGL 213	American Literature					
Engl 205	ENGL 214	American Literature	•				
Geog 101	GEOG 101	Introduction to Geography			•		
Geog 103	GEOG 103	World Regional Geography			•	•	
Hist 111	HIST 101	History of the U.S. (1 <sup>st</sup> part)			•		
Hist 112	HIST 102	History of the U.S. (2 <sup>nd</sup> part)			•		
Hist 113	HIST 102	History of the U.S. (2 <sup>nd</sup> part)			•		•
Hist 101	HIST 172	Western Civilization I			•	•	
Hist 102	HIST 173	Western Civilization II			•	•	
Hist 103	HIST 193	Modern World History			•	•	
Phil 102	PHIL 101	Intro. To Philosophic Problems		•			
Phil 103	PHIL 102	Intro. To Logic		•			
Pols 101	PO SC 101	American National Government			•		
Pols 103	PO SC 102	Intro. to International Relations			•	•	
Psyc 101	PSYCH 201	Introduction to Psychology			•		
Soci 101	SOC 201	Introduction to Sociology			•		
Soci 202	SOC 202	Social Problems			•		
Thtr 201	THEA 210	Theatre Appreciation		•			

Prior to graduation all Engineering students must complete the General Education requirements specified in their curriculum.

- The 5th (and ChE 6th) courses may be chosen from either of the two Humanities lists, or the Social Science list.

5th required by BE, ENVE, IE, and ME. 6th required by CHE

- 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.*