

Newberry College & Clemson University: Engineering Course Equivalencies

CU COURSE	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech.
<i>General Engineering Requirements: Highlighted in purple</i>										
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	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113	CHE 113
ENGL 1030	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101	ENG 113+ INQ 101
ENGR 1020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENGR 1410	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MATH 1060	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211	MAT 211
MATH 1080	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212	MAT 212
PHYS 1220 + 1240	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213	PHY 213
<i>Additional coursework that may be taken towards a Clemson University Engineering Degree</i>										
BCHM 3050+3060	CHE 401	CHE 401 ^d		CHE 401 ^e						
BIOL 1030 + 1050	BIO 121	BIO 121					BIO 121	BIO 121 ^a		
BIOL 4610 + 4620	BIO 331									
CH 1020	CHE 114	CHE 114		CHE 114		CHE 114	CHE 114	CHE 114 ^a	CHE 114	
CH 2230 + 2270	CHE 231+ 241	CHE 231+ 241		CHE 231+ 241			CHE 231+ 241		CHE 231+ 241	
CH 2240 + 2280	CHE 232			CHE 232					CHE 232	
CH 3390 + 3310				CHE 445 ^f					CHE 445 ^e	
CH 3320 + 3400				CHE 446 ^f					CHE 446 ^e	
COMM 2500			SPE 110		SPE 110	SPE 110		SPE 110	SPE 110	
GEOL 1010			GEO 135				GEO 135			
MATH 2060	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213	MAT 213
MATH 2080	MAT 261	MAT 261	MAT 261	MAT 261	MAT 261	MAT 261	MAT 261		MAT 261	MAT 261
MATH 3110					MAT 334	MAT 334 ^g		MAT 334		
MATH 4340					MAT 342 ^g	MAT 342 ^h				
MICR 3050		BIO 212					BIO 212			
PHYS 2210 + 2230	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214	PHY 214
STAT 2300									MAT 200	
	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech.

^a Options to complete lab science requirement, choose one

^c For Materials Science Engineering majors pursuing the polymeric materials concentration

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

^e Optional biochemistry requirement for ChE majors pursuing the biomolecular concentration

^f For Chemical Engineering majors **not** pursuing the biomolecular engineering concentration

^g Option to complete special requirement

^h Option to complete advanced mathematics requirement or special requirement

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 curricula are available online at: <http://catalog.clemson.edu/> If you have questions or need further advice, please contact Karen Thompson, CECAS Academic Advisor and Transfer Coordinator at kt@clemson.edu or 864-656-2543.

Clemson University General Education Courses

Newberry Gen Eds	Clemson Course	Course Title	Hum Lit (3cr)	Hum Non-Lit (3cr)	Social Science (6cr*)	CCA (3cr)*	STS (3cr)*
ECO 202	ECON 211	Principles of Microeconomics			•		
ECO 210	ECON 212	Principles of Macroeconomics			•		
ENG 220/222	ENGL 213	British Literature	•				
ENG 231/232	ENGL 214	American Literature	•				
GEO 135	GEOG 101	Introduction to Geography			•		
HIS 121	HIST 101	History of the U.S. (1 st part)			•		
HIS 122	HIST 102	History of the U.S. (2 nd part)			•		
HIS 112	HIST 193	Modern World History			•	•	
MUS 150	MUSIC 210	Music in the Western World		•		•	
PHI 110	PHIL 102	Intro. To Logic		•			
PHI 120	PHIL 103	Intro. To Ethics		•			
POS 120/121	PO SC 101	American National Government			•		
POS 281/300	PO SC 102	Intro. to International Relations			•	•	
POS 225	PO SC 104	Intro. to Comparative Politics			•	•	
PSY 120	PSYCH 201	Introduction to Psychology			•		
REL 200	REL 101	Introduction to Religion		•		•	
REL 220	REL 102	World Religions		•		•	
SOC 101	SOC 201	Introduction to Sociology			•		
SOC 102	SOC 202	Social Problems			•		
THE 110/120	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. 6th required by CHE. Special elective for ECE.

- 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.