

North Greenville & 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 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450	CHEM 1450
ENGL 1030	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320	ENGL 1320
ENGR 1020	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330	MATH 2330
ENGR 1410	MATH 2320	MATH 2320	MATH 2320	N/A	MATH 2320	MATH 2320	MATH 2320	MATH 2320	MATH 2320	MATH 2320
MATH 1060	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410	MATH 1410
MATH 1080	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410	MATH 2410
PHYS 1220 + 1240	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410	PHYS 2410
<i>Additional NGU coursework that may be taken towards a Clemson University Engineering Degree</i>										
BCHM 3050	CHEM 3310	CHEM 3310 ^d		CHEM 3310 ^e						
BIOL 1030 + 1050	BIOL 1410	BIOL 1410					BIOL 1410	BIOL 1410 ^a		
BIOL 4610 + 4620	BIOL 3440									
CE 2010	pending		pending				pending	pending		
CH 1020	CHEM 1460	CHEM 1460		CHEM 1460		CHEM 1460	CHEM 1460	CHEM 1460 ^a	CHEM 1460	
CH 2230 + 2270	CHEM 2450 ^b	CHEM 2450		CHEM 2450			CHEM 2450		CHEM 2450	
CH 2240 + 2280	CHEM 2460 ^b			CHEM 2460					CHEM 2460	
COMM 2500			COMM 2300		COMM 2300	COMM 2300		COMM 2300	COMM 2300	
MATH 2060	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420	MATH 2420
MATH 2080	MATH 3330	MATH 3330	MATH 3330	MATH 3330	MATH 3330	MATH 3330	MATH 3330		MATH 3330	MATH 3330
MATH 3020	MATH 2430 ^c		MATH 2430				MATH 2430		MATH 2430	MATH 2430 ^h
MATH 3110					MATH 3310	MATH 3310 ^f		MATH 3310		
MATH 3650	MATH 4325 ^g						MATH 4325 ^g		MATH 4325 ^g	MATH 4325
MATH 4120					MATH 3320 ^g	MATH 3320 ^f				
MICR 3050		BIOL 3450					BIOL 3450			
PHYS 2210+ 2230	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420	PHYS 2420
	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech.

^a Options to complete lab science requirement

^b Encouraged for those pursuing medical school

^c For Bioengineering majors pursuing the biomaterials 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 Option to complete advanced mathematics requirement or special requirement

^g Option to complete special requirement

^h Option to replace Mechanical Engineering Lab II

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://catalog.clemson.edu>. 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.

Clemson University General Education Courses

North Greenville Gen Eds	Clemson Course	Course Title	Hum Lit (3cr)	Hum Non-Lit (3cr)	Social Science (6cr*)	CCA (3cr)*	STS (3cr)*
ARTS 2310	AAH 101	Survey of Art & Arch. Hist. I		•			
ARTS 1300	AAH 210	Intro. to Art and Architecture		•		•	
ECON 2320	ECON 211	Principles of Microeconomics			•		
ECON 2310	ECON 212	Principles of Macroeconomics			•		
ENGL 2310/2320	ENGL 213	British Literature	•				
ENGL 2330/2340	ENGL 214	American Literature	•				
GEOG 4310	GEOG 101	Introduction to Geography			•		
HIST 2310	HIST 101	History of the U.S. (1 st part)			•		
HIST 2320	HIST 102	History of the U.S. (2 nd part)			•		
HIST 1350	HIST 172	Western Civilization I			•	•	
HIST 1360	HIST 173	Western Civilization II			•	•	
HIST 2330	HIST 193	Modern World History			•	•	
HIST 3360	HIST 122	History of Technology		•			•
PHIL 2300	PHIL 101	Intro. To Philosophic Problems		•			
PLSC 2310	PO SC 101	American National Government			•		
PSYC 2310	PSYCH 201	Introduction to Psychology			•		
CHST 2335	REL 102	World Religions		•		•	
SOCY 2310	SOC 201	Introduction to Sociology			•		
SOCY 2320	SOC 202	Social Problems			•		
THTR 1300	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.