

Francis Marion & 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	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101	CHEM 101
ENGL 1030	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102
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	*	CS 190	CS 190	N/A	N/A	N/A	N/A
MATH 1060	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202	MATH 201 +202
MATH 1080	+203	+203	+203	+203	+203	+203	+203	+203	+203	+203
PHYS 1220+1240	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201	PHYS 201
<i>Additional coursework that may be taken towards a Clemson University Engineering Degree</i>										
BCHM 3050	CHEM 404	<i>CHEM 404^d</i>		<i>CHEM 404^e</i>						
BIOL 1030 + 1050	BIOL 105 +115	BIOL 105 +115					BIOL 105 +115	BIOL 105 +115		
CH 1020	CHEM 102	CHEM 102		CHEM 102		CHEM 102	CHEM 102	<i>CHEM 102^a</i>	CHEM 102	
CH 2230 + 2270	<i>CHEM 201^b</i>	CHEM 201		CHEM 201			CHEM 201		CHEM 201	
CH 2240 + 2280	<i>CHEM 202^b</i>			CHEM 202					CHEM 202	
CH 3310 + 3390				<i>CHEM 301^f</i>					CHEM 301 ^c	
CH 3320 + 3400				<i>CHEM 302^f</i>					<i>CHEM 302^c</i>	
COMM 2500			SPCO 101		SPCO 101	SPCO 101		SPCO 101	SPCO 101	
MATH 2060	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306	MATH 202 +203 +306
MATH 2080	MATH 301	MATH 301	MATH 301	MATH 301	MATH 301	MATH 301	MATH 301		MATH 301	MATH 301
MATH 3020	<i>MATH 312^l</i>		MATH 312	<i>MATH 312^j</i>			MATH 312		<i>MATH 312^j</i>	MATH 312
MATH 3110					<i>MATH 304^h</i>	<i>MATH 304^h</i>		MATH 304		
MATH 4120					<i>MATH 405^h</i>	<i>MATH 405^h</i>				
MATH 4190					MATH 318	<i>MATH 318^h</i>				
MICR 3050		BIOL 311					BIOL 311			
PHYS 2210+2230	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202	PHYS 202
	Bioeng.	Biosystems	Civil	Chemical	Computer	Electrical	Enviro.	Industrial	Materials Science	Mech.

^a Option to complete lab science requirement, choose one

^b Encouraged for those hoping to pursue medical school

^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 Option to complete special requirement

^h Option to complete advanced mathematics or special requirement

ⁱ For Bioengineering majors pursuing the biomaterials concentration

^j See advisor for possible STAT 4110 credit

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 the CECAS Transfer Coordinator: Karen Thompson at kt@clemson.edu.

Clemson University General Education Courses Examples

Francis Marion Course	Clemson Course	Course Title	Hum Lit (3cr)	Hum Non-Lit (3cr)	Social Science (6cr ⁺)	CCA (3cr)*	STS (3cr)*
ARTH 220	AAH 1010	Survey of Art & Arch. Hist. I		•			
ANTH 200	ANTH 2010	Introduction to Anthropology			•	•	
BIO 214	BIOL 2040	Environmental Biology					•
ECON 203	ECON 2110	Principles of Microeconomics			•		
ECON 204	ECON 2120	Principles of Macroeconomics			•		
ENG 314	ENGL 2120	World Literature	•				
ENG 301/302	ENGL 2130	British Literature	•				
ENG 303/304	ENGL 2140	American Literature	•				
GEOG 101	GEOG 1010	Introduction to Geography			•		
GEOG 102	GEOG 1030	World Regional Geography			•	•	
HIST 201	HIST 1010	History of the U.S. (1 st part)			•		
HIST 202	HIST 1020	History of the U.S. (2 nd part)			•		
HIST 204	HIST 1730	Western Civilization II			•	•	
HIST 205	HIST 1930	Modern World History			•	•	
MU 101	MUSC 2100	Music in the Western World		•		•	
PRS 201	PHIL 1010	Intro. To Philosophic Problems		•			
POL 101	PO SC 1010	American National Government			•		
POL 200	POSC 1020	Intro. to International Relations			•	•	
POL 205	POSC 1040	Intro. to Comparative Politics			•	•	
PSY 206	PSYC 2010	Introduction to Psychology			•		
PRS 202	REL 1010	Introduction to Religion		•		•	
SOCI 201	SOC 2010	Introduction to Sociology			•		
THEA 101	THEA 2100	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

- 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.