

Winthrop University & Clemson University: Engineering Course Equivalencies

Clemson Course	Course Title	Winthrop Course	Automotive	Biomedical	Biosystems	Civil	Chemical	Computer	Electrical	Environmental	Industrial	Materials	Mechanical
CH 1010	General Chemistry	CHEM 201	●	●	●	●	●	●	●	●	●	●	●
ENGL 1030	Composition & Rhetoric	CRTW 201	●	●	●	●	●	●	●	●	●	●	●
ENGR 1020	Engr Disciplines & Skills	thru Clemson online	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
ENGR 1410	Programming & Prob Solving	thru Clemson online	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
MATH 1060	Calculus of One Variable I	MATH 201	●	●	●	●	●	●	●	●	●	●	●
MATH 1080	Calculus of One Variable II	MATH 202	●	●	●	●	●	●	●	●	●	●	●
PHYS 1220+1240	Physics with Calculus I + Lab	PHYS 211	●	●	●	●	●	●	●	●	●	●	●
BIOL 1030 + 1050	General Biology I + Lab	BIOL220+222		●	●				●	*			
BIOL 4610 + 4620	Cell Biology	BIOL 315		●									
CH 1020	General Chemistry	CHEM 202+204		●	●		●		●	●	*	●	
CH 2230	Organic Chemistry + Lab	CHEM 301		*	●		●		●		●		
CH 2240 +2280	Organic Chemistry + Lab	CHEM 302 +304		*			●					●	
COMM 2500	Public Speaking	SPCH 201			●		●	●	●	●	●	●	
GEOL 1010+1030	Geology	GEOL 110 +113					●		●	*			
MATH 2060	Calculus of Several Variables	MATH 301	●	●	●	●	●	●	●	●	●	●	●
MATH 2080	Differential Equations	MATH 305	●	●	●	●	●	●	●	*	●	●	●
MATH 3110	Linear Algebra	MATH 300	●	*	●	●			●		●	●	
MATH 3020	Statistics	MATH 341	●	*	●	●			●		●	●	
MATH 4340	Adv Engineering Math	MATH 505					*	*	*	*	*		*
MATH 4120	Algebra I	MATH 351					*	*					
MICR 3050	General Microbiology	BIOL 310			●				●				
MSE 2100	Materials Science	PHYS 321	●	●	*	*			*	*	●	●	
PCID 3140	Technical Writing	WRIT 566	●			●		●		*		●	
PHYS 2210+2230	Physics with Calculus II + Lab	PHYS 212	●	●	●	●	●	●	●	●	●	●	●

* - These courses are options that could satisfy an optional requirement. For more information on how and if these fit into your degree, see the catalog by going to the online Clemson Catalog: <https://catalog.clemson.edu/>

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.

Students desiring to transfer into one of Clemson's 11 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. 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 advice, please contact the CECAS Transfer Coordinator, Karen Thompson, at kt@clemson.edu. Valid as of 2/25.