

## Midlands Technical College & Clemson University: Engineering Course Equivalencies

CU COURSE	BioEngr.	Biosystems/ Environmental	Civil	Chemical	Computer/ Electrical	Industrial	Materials Science	Automotive/ Mechanical
<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	CHM 110	CHM 110	CHM 110	CHM 110	CHM 110	CHM 110	CHM 110	CHM 110
ENGL 1030	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102	ENG 102
ENGR 1020	EGR 270	EGR 270	EGR 270	EGR 270	EGR 270	EGR 270	EGR 270	EGR 270
ENGR 1410	N/A	N/A	N/A	--*	N/A	N/A	N/A	N/A
MATH 1060	MAT 140	MAT 140	MAT 140	MAT 140	MAT 140	MAT 140	MAT 140	MAT 140
MATH 1080	MAT 141	MAT 141	MAT 141	MAT 141	MAT 141	MAT 141	MAT 141	MAT 141
PHYS 1220 + 1240	PHY 221	PHY 221	PHY 221	PHY 221	PHY 221	PHY 221	PHY 221	PHY 221
<i>Additional coursework that may be taken towards a Clemson University Engineering Degree, by major</i>								
BIOL 1030 + 1050	BIO 101	BIO 101				BIO 101 <sup>o</sup>		
CE 2010/ ME 2050	EGR 260	EGR 260	EGR 260			EGR 260	EGR 260	EGR 260 **
CE 2080 /ME 2060		EGR 262	EGR 262					EGR 262 <sup>d**</sup>
CE 2060		EGR 264	EGR 264					
CH 1020	CHM 111	CHM 111		CHM 111	CHM 111 <sup>e</sup>	CHM 111 <sup>o</sup>	CHM 111	
CH 2230 + 2270	CHM 211 <sup>b</sup>	CHM 211		CHM 211			CHM 211	
CH 2240 + 2280	CHM 212 <sup>b</sup>			CHM 212			CHM 212	
COMM 2500		SPC 205			SPC 205	SPC 205	SPC 205	
ECE 2010	ECE 211 <sup>c</sup>				ECE 211			
ECE 2020	ECE 221				ECE 221	ECE 221		ECE 221 <sup>e</sup>
ECE 2620	ECE 222 <sup>c</sup>				ECE 222			
ECE 2720	ECE 212				ECE 212			
ECE 2110 + 2120					ECE 205			ECE 205 <sup>e</sup>
ENGR 2090						EGR 275		
MATH 2060	MAT 240	MAT 240	MAT 240	MAT 240	MAT 240	MAT 240	MAT 240	MAT 240
MATH 2080	MAT 242	MAT 242	MAT 242	MAT 242	MAT 242	MAT 242 <sup>a</sup>	MAT 242	MAT 242
PHYS 2210 + 2230	PHY 222	PHY 222	PHY 222	PHY 222	PHY 222	PHY 222	PHY 222	PHY 222
	Bioengr.	Biosystems/ Environmental	Civil	Chemical	Computer/ Electrical	Industrial	Materials Science	Automotive/ Mechanical

<sup>a</sup> Options to complete IE lab science and engineering requirements

<sup>b</sup> Encouraged for those pursuing medical school

<sup>c</sup> For Bioengineering majors pursuing the bioelectrical concentration

<sup>d</sup> ME courses must be taken prior to enrolling at CU to transfer for ME

<sup>e</sup> The ECE 2020+ 2110 Circuits course and lab can be used to replace ME's ECE 2070+2080 requirement

\*\*These courses cannot be taken anywhere other than Clemson and transferred back for ME credit if the student has previously been enrolled at Clemson University.

\*CHE students should take Clemson's CHE 1300 online over the summer prior to transfer to stay on track.

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. Admissions Office: 105 Sikes Hall, 864-656-2287. This worksheet is intended as information only and does not imply a contract with Clemson University. Courses valid as of 2022. All curricula are available online at: [www.catalog.clemson.edu](http://www.catalog.clemson.edu). If you have questions or need further advice, please contact the CECAS Transfer Director: Karen Thompson, at [kt@clemson.edu](mailto:kt@clemson.edu) or 864-656-2543.