

Tri-County Technical College & Clemson University: Engineering Course Equivalencies

| CU COURSE | Bioeng. | Biosystems | Civil | Chemical | Computer | Electrical | Enviro. | Industrial | Material 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 before transfer. | | | | | | | | | | |
| CH 1010 | CHM 110 | CHM 110 | 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 | ENG 102 | ENG 102 |
| ENGR 1020 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 | EGR 269 |
| ENGR 1410 | EGR 270 | EGR 270 | EGR 270 | ----* | EGR 270 | EGR 270 | EGR 270 | EGR 270 | EGR 270 | EGR 270 |
| MATH 1060 | MAT 140 | MAT 140 | 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 | MAT 141 | MAT 141 |
| PHYS 1220 + 1240 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 | PHY 221 |
| <i>Additional TCTC coursework that may be taken towards a Clemson University Engineering Degree</i> | | | | | | | | | | |
| BIOL 1030 + 1050 | BIO 101 | BIO 101 | | | | | BIO 101 | BIO 101 ^a | | |
| CH 1020 | CHM 111 | CHM 111 | | CHM 111 | | CHM 111 | CHM 111 | CHM 111 ^a | CHM 111 | |
| CH 2230 + 2270 | CHM 211 | CHM 211 | | CHM 211 | | | CHM 211 | | CHM 211 ^c | |
| CH 2240 + 2280 | CHM 212 ^b | | | CHM 212 | | | | | CHM 212 ^c | |
| CPSC 1110 | | | | | CPT 234 | CPT 234 | | | | |
| COMM 2500 | | | SPC 205 | | SPC 205 | SPC 205 | | SPC 205 | SPC 205 | |
| ENGR 2080 | EGR 275 | | | | | | | EGR 275 ^c | EGR 275 | EGR 275 |
| ENGR 2100 | | EGR 210 | EGR 210 | | | | EGR 210 | EGR 210 ^c | | |
| MATH 2060 | MAT 240 | MAT 240 | 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 | MAT 242 | MAT 242 | MAT 242 | MAT 242 |
| PHYS 2210 +2230 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 | PHY 222 |
| | Bioeng. | Biosystems | Civil | Chemical | Computer | Electrical | Enviro. | Industrial | Material Science | Mech. |

* CHE students should take CHE 1300 online over the summer to stay on track

^a Options to complete lab science requirement

^b Encouraged for those pursuing medical school

^c Industrial Engineering students choose which graphics course to take; AutoCAD or Solidworks

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://www.registrar.clemson.edu/html/catalog.htm>.

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.