

University of North Georgia & Clemson University: Engineering Course Equivalencies

| CU COURSE | Bioeng. | Biosystems | Civil | Chemical | Computer | Electrical | Enviro. | Industrial | Materials Science | Mech. |
|--|-------------------------|-------------------------|------------------------|-------------------------|----------------------------------|----------------------------------|-------------------------|--|-------------------------|------------------------|
| <p><i>General Engineering Requirements: Highlighted in purple</i></p> <p>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.</p> | | | | | | | | | | |
| CH 1010 | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L | CHEM 1211 +1211L |
| ENGL 1030 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 | ENGL 1102 |
| 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 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| MATH 1060 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 | MATH 1450 |
| MATH 1080 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 | MATH 2460 |
| PHYS 1220+1240 | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L | PHYS 2211 +2211L |
| <p><i>Additional coursework that may be taken towards a Clemson University Engineering Degree</i></p> | | | | | | | | | | |
| BIOL 1030 + 1050 | BIOL 1107k | BIOL 1107k | | | | | BIOL 1107k | <i>BIOL 1107k^a</i> | | |
| CH 1020 | CHEM 1212 + 1212L | CHEM 1212 + 1212L | | CHEM 1212 + 1212L | | CHEM 1212 + 1212L | CHEM 1212 + 1212L | <i>CHEM 1212 + 1212L^a</i> | CHEM 1212 + 1212L | |
| COMM 2500 | | | COMM 1110 | | COMM 1110 | COMM 1110 | | COMM 1110 | COMM 1110 | |
| GEOL 1010 + 1030 | | | GEOL 1101k | | | | GEOL 1101k | <i>GEOL 1101k^a</i> | | |
| MATH 2060 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 | MATH 2470 |
| MATH 2080 | MATH 3000 | MATH 3000 | MATH 3000 | MATH 3000 | MATH 3000 | MATH 3000 | MATH 3000 | | MATH 3000 | MATH 3000 |
| MATH 3110 | | | | | MATH 3650 | <i>MATH 3650^b</i> | | MATH 3650 | | |
| MATH 4120 | | | | | <i>MATH 3600^b</i> | <i>MATH 3600^c</i> | | | | |
| MICR 3050 | | BIOL 4390k | | | | | BIOL 4390k | | | |
| PHYS 2210 + 2230 | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L | PHYS 2212 +2212L |
| STAT 2300 | | | | | | | | | MATH 3350 | |
| | Bioeng. | Biosystems | Civil | Chemical | Computer | Electrical | Enviro. | Industrial | Materials Science | Mech. |

^a Option to complete lab science requirement

^b Option to complete special requirement

^c Option to complete advanced mathematics requirement or special requirement

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 CES Transfer Coordinator:
 Karen Thompson, M.Ed, CES Academic Advisor and Transfer Coordinator at kt@clemson.edu or 864-656-2446.

Clemson University General Education Courses

| North Georgia Gen Eds | Clemson Course | Course Title | Hum Lit (3cr) | Hum Non-Lit (3cr) | Social Science (6cr*) | CCA (3cr)* | STS (3cr)* |
|-----------------------|----------------|--|---------------|-------------------|-----------------------|------------|------------|
| ART 1100 | AAH 2100 | Intro. to Art and Architecture | | • | | • | |
| ANTH 1102 | ANTH 2010 | Introduction to Anthropology | | | • | • | |
| ECON 2106 | ECON 2110 | Principles of Microeconomics | | | • | | |
| ECON 2105 | ECON 2120 | Principles of Macroeconomics | | | • | | |
| ENGL 2111/2112 | ENGL 2120 | World Literature | • | | | | |
| ENGL 2122 | ENGL 2130 | British Literature | • | | | | |
| ENGL 2132 | ENGL 2140 | American Literature | • | | | | |
| GEOG 1101 | GEOG 1010 | Introduction to Geography | | | • | | |
| GEOG 1102 | GEOG 1030 | World Regional Geography | | | • | • | |
| HIST 2111 | HIST 1010 | History of the U.S. (1 st part) | | | • | | |
| HIST 2112 | HIST 1020 | History of the U.S. (2 nd part) | | | • | | |
| HIST 1112 | HIST 1930 | Modern World History | | | • | • | |
| MUSC 1101 | MUSIC 2100 | Music in the Western World | | • | | • | |
| PHIL 1001 | PHIL 1010 | Intro. To Philosophic Problems | | • | | | |
| PHIL 1110/2200 | PHIL 1030 | Intro. To Ethics | | • | | | |
| POLS 11001 | PO SC 1010 | American National Government | | | • | | |
| POLS 2401 | PO SC 1020 | Intro. to International Relations | | | • | • | |
| PSYC 1101 | PSYCH 2010 | Introduction to Psychology | | | • | | |
| SOCI 1101 | SOC 2010 | Introduction to Sociology | | | • | | |
| SCTS 1502 | STS 1010 | Social Problems | | • | | | • |
| THEA 2500 | 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, 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.