

North Carolina Community College courses that fulfill NC State University College of Engineering Requirements in the Two-plus-Two Engineering Program.

(This document does not apply to the Joint BSE degree with Mechatronics Concentration)

| <u>Requirement</u> | <u>Community College</u> | <u>NCSU Equiv.</u> | <u>2+2 Curriculum Display</u> |
|--|---|---|---|
| English Composition | ENG 111(3)+112(3) | ENG 101 (4) | LANG 120(4) |
| Math | MAT 171 + 172(3+3)* MAT 271 (4) MAT 272 (4) MAT 273 (4) MAT 285 (3) | MA 111 (3)* MA 141 (4) MA 241 (4) MA 242 (4) MA 341 (3) | MATH 167 (4)* MATH 191 (4) MATH 192 (4) MATH 291 (4) MATH 394 (3) |
| Chemistry | CHM 151 (4) CHM 152 (4) See Note 1 | CH 101,102 (3,1) CH 201,202 (3,1) | CHEM 132, 111 (3,1) CHEM 233, 145 (3,1) |
| Physics | PHY 251 (4) PHY 252 (4) | PY 205 (4) PY 208 (4) | PHYS 221 (4) PHYS 222 (4) |
| Computer Science | CSC 134 (3) See Note 2 CSC 136 (3) See Note 2 | CSC 114 (3) CSC 112 (3) | CSCI 181 (3) |
| Economics | ECO 251 (3) | EC 201 (3) | HumSS |
| General Education Program (GEP) | See GEP sheet | various | HumSS |
| Drafting Engineering | DFT 170 (3) See Note 3 EGR 150 (2) EGR 220 (3) | GC 101 (2), GC 120 (3) E 101 (1) MAE 206 (3) or CE 214 (3) | |
| Physical Education | PED 110-236 | PE Electives (up to 3) | HF XXX |
| Foreign Language | 111 +112 | 101 + 101 | 110 + 120 |

NOTES *****

Note 1 CHM 152 is transferable into Aerospace, Biological, Civil, Chemical, Environmental and Materials.

Note 2 CSC 134 (C++) is acceptable in AE, CE, CE-MG, CE-M, ISE, ME.

CSC 136 (Fortran) is acceptable in all engineering majors.

Note 3 DFT 170 is required in Aerospace, Civil, Environmental, Industrial, Mechanical and Textiles.

* MAT 171+172, Precalculus Algebra and Trigonometry, are considered remedial for engineering, but may be necessary.