

**North Carolina Community College Associate of Engineering
courses that fulfill
UNC Asheville / NC State College of Engineering Requirements
of the Joint Bachelor of Science in Engineering degree
with a Concentration in Mechatronics (JEM)**

Subject Requirement	Community College Equivalent Courses	JEM Requirement
English Composition	ENG 111 (3) + 112 (3)	LANG 120 (4)
Math	MAT 171+172 MAT 271 (4) MAT 272 (4) MAT 273 (4)	As remedial only: Precalculus if needed to prepare for Calculus I MATH 191 (4) MATH 192 (4) MATH 291 (4)
Chemistry	CHM 151 (4)	CHEM 132 (3) + CHEM 111 (1)
Physics	PHY 251 (4) PHY 252 (4)	PHYS 221 (4) PHYS 222 (4)
Engineering	DFT 170 (3) if incl Solidworks EGR 150 (2) EGR 220 (3)	JEM 123 (1) E 101 (1) MAE 206 (3)
Humanities	HIS 111 (3) HIS 112 (3)	HUM 124 (4) HUM 214 (4)
Economics	ECO 251 (3)	ECON 102 (3)
Arts and Ideas (not Diversity Intensive)	ART 111 (3) or MUS 110 (3)	ARTS (3)
Foreign Language	111 + 112 (3+3) or 112 by placement	110 + 120 (4+4) 130 (4) or by UNC Asheville placement

If a course is not on this list, it may transfer, but it will not satisfy a JEM degree requirement.
Grades of C or better are required for transfer to UNC Asheville.

Credits remaining to be completed at UNC Asheville: 81.

Students may be subject to the UNC Tuition Surcharge if the total number of attempted credits exceeds 140.