

UNC-Charlotte Mechanical Engineering & Physics

(Unofficial Community Colleges to UNC-Charlotte)

Degree Earned: UNC-Charlotte Bachelor of Science – Mechanical Engineering

Transfer GPA = 3.0

Effective: 2015

Grey Highlighted Courses – Take Courses at UNC-Charlotte

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
EGR 150	ENGR 1201 Engr Practice and Principles I	2	UNC-C	ENGR 1202 Engr Practice and Principles II	2
CHM 151	CHEM 1251 Principles of Chemistry	3	PHY 251	PHYS 2101 Physics I	3
CHM 151	CHEM 1251L Chemistry Laboratory	1	PHY 251	PHYS 2101L Physics I Lab	1
MAT 271	MATH 1241 Calculus I	3	MAT 272	MATH 1242 Calculus II	3
CHM 152, BIO 111	Science Elective	3	ENG 112	UWRT 1103 or UWRT 1104 Writing & Inquiry in Academic Contexts	3
ART / MUS	LBST 1100 series: Arts and Society	3	Soc Sci	LBST 2101	3
15			15		

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
PHY 252	PHYS 2102 Physics II	3	UNC-C	MEGR 2180 Manufacturing Systems	3
PHY 252	PHYS 2102L Physics II Lab	1	UNC-C	MEGR 2156 Design Project Lab I	2
EGR 220	MEGR 2141 Engr. Mechanics I	3	UNC-C	MEGR 2144 Solid Mechanics	3
MAT 273	MATH 2241 Calculus III	3	MAT 285	MATH 2171 Differential Equations	3
ECO 251	ECON 2101 Macroeconomics or 2102 Microeconomics	3	UNC-C	ECGR 2161 Basic Elec. Engr.	3
HIS 111/ 112, HUM 110	LBST 2101 West. Culture & Historical Awareness	3	UNC-C	MEGR 2240 Computational Methods for Engineers	3
					1
16			17		

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
UNC-C	MEGR 3111 Thermodynamics I	3	UNC-C	MEGR 3112 Thermodynamics II	3
UNC-C	MEGR 3121 Dynamic Systems I	3	UNC-C	MEGR 3122 Dynamic Systems II	3
UNC-C	MEGR 3161 Engr. Materials	3	UNC-C	MEGR 3116 Introduction to Heat Transfer	3
UNC-C	PHYS 3141 Intro to Modern Physics	3	UNC-C	MEGR 3156 Design Project Lab II	2
UNC-C	MEGR 3171 Intro to Measurement & Instrumentation	2	UNC-C	MEGR 3114 Fluid Mechanics	3
UNC-C	MEGR 3171L Instrumentation Laboratory	2	UNC-C	MEGR 3152 Mechanics & Materials Lab	2
		16			16

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
UNC-C	MEGR 3255 Senior Design I	2	UNC-C	MEGR 3256 Senior Design II	2
UNC-C	PHYS XXXX (3000 or 4000 elective)	3	UNC-C	PHYS 4231 Electromagnetic Theory I	3
UNC-C	ME Technical Elective	3	UNC-C	ME Technical Elective	3
UNC-C	MEGR 3221 Machine Analysis & Design	3	UNC-C	MEGR 3216 Thermal /Fluids	3
UNC-C	MEGR 3251 Thermal /Fluids Lab	2	PHI 240	LBST 2200 series: Ethical Issues & Cultural Critique	3
UNC-C	ENGR 3295 Professional Development	1			
14			14		

Com College	Additional Semester	Credit			
UNC-C	ME Engineering Elective	3			
UNC-C	ME Engineering Elective	3			
UNC-C	MATH XXXX Math Elective	3			
UNC-C	PHYS 4241 Quantum Mechanics I	3			

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UNC-Charlotte - Minimum Credit Hours Required for Graduation Mechanical Engineering and Physics

135

UNC-Charlotte Mechanical Engineering and Physics (continued)
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*All MEGR students are required to complete: a) a math elective and b) a course with appropriate statistics content.

Option 1 for fulfilling the combination of the math elective and the statistics requirement is STAT 3128.

Option 2 is to use the technical elective MEGR 3282 to fulfill the statistics requirement while also taking MATH 2164 or MATH 3171 as the math elective. The math elective will not also count as a technical elective.

ADVISING RESOURCES • General Education Requirements for ALL Students: ucol.uncc.edu/general-education • Undergraduate Catalog: catalog.uncc.edu • Central Advising website: advising.uncc.edu • College of Liberal Arts & Sciences advising website: clas.uncc.edu/students/Advising-News/ • William States Lee College of Engineering advising website: coe.uncc.edu/current-students/advising.html • University Advising Center website: advisingcenter.uncc.edu