

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