

UNC-Charlotte Mechanical Engineering with concentration in Biomedical Engineering

(Unofficial Community Colleges to UNC-Charlotte)

Degree Earned: UNC-Charlotte Bachelor of Science Mechanical Engineering – Biomedical 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 Engineering Practice and Principles I	2	UNC-C	ENGR 1202 Engineering 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
BIO 111/ CHM 152	XXXX XXXX Science Elective	3	ENG 112	ENGL 1102 Writing & Inquiry in Academic Contexts II	3
ART 111, 114, 115, MUS 110	LBST 1100 series: Arts and Society	3	Soc Sci	LBST 2100 series	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 285	MATH 2171 Differential Equations	3	MAT 273	MATH 2241 Calculus III	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
			UNC-C	MEGR 2279 Intro to Biomedical Engineering	1
16					18

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
EGR 225	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	XXXX XXXX Biomedical Technical Elective	3	UNC-C	MEGR 3156 Design Project Lab II	2
UNC-C	MEGR 3171L Introduction 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 3275 Biomedical Senior Design I	2	UNC-C	MEGR 3276 Biomedical Senior Design II	2
UNC-C	XXXX XXXX Biomedical Technical Elective	3	UNC-C	XXXX XXXX Biomedical Technical Elective	3
UNC-C	MATH XXXX Math Elective	3	UNC-C	XXXX XXXX Biomedical Technical Elective	3
UNC-C	MEGR 3221 Machine Analysis & Design	3	UNC-C	MEGR 3216 Thermal /Fluid Design	3
UNC-C	MEGR 3251 Thermal /Fluids Lab	2			
UNC-C	ENGR 3295 Professional Development	1			
14					11

UNC-Charlotte - Minimum Credit Hours Required for Graduation Mechanical Engineering – Biomedical concentration 120