

Western Carolina – Engineering with Mechanical Concentration

(Unofficial Community Colleges to UNC-Charlotte)

Degree Earned: Western Carolina - Bachelor of Science – Electrical Engineering

Transfer GPA = 2.5

Effective: 2017

Grey Highlighted Courses – Take Courses at Western Carolina

FRESHMAN YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
ENG 111	ENGL 101	3	DFT 170	ENGR 132 Engineering Graphics	3
ECO 251, PSY 150, SOC 210	Perspective – Social Science	3	MAT 272	MATH 255 Calculus II	4
CHM 151	CHEM 139 General Chemistry	4	PHY 251	PHYS 230 General Physics I	4
MAT 271	MATH 153 Calculus 1	4	COM 231	COMM 201	3
	Wellness	3	EGR 150	ENGR 199	3
17					17

SOPHOMORE YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
Western	ENGR 200 Engr/Prac/Prin. II	3	ENG 112	ENGL 202 Composition	3
Western	ENGR 231 3D Solid Modeling	3	Western	ENGR 202 Mechanics of Materials	3
EGR 220	ENGR 201 Statics	3	Western	ENGR 211 Material Science	3
MAT 285	MATH 320 Differential Equations	3	Western	ME 211 ME Lab 1	1
PHY 252	PHYS 231 General Physics II	4	Western	EE 200 Computer Utilization	3
			MAT 273	MATH 256 Calculus III	4
16					17

JUNIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
Western	ENGR 315 EE Fundamentals	3	Western	ENGR 353 Thermodynamics	3
EGR 225	ME 301 Dynamics	3	Western	ME 302 Design of Machine Elements 1	3
Western	ME 311 ME lab II	1	Western	ME 332 Meas. & Instrumentation	3
Western	ME 321 Fluid Dynamics	3	Western	ENGR 350 Engr/Prac/Prin. III	3
Western	MATH 370 Probability and Statistics	3	Western	ME 312 ME Lab III	1
	Perspective – Social Science	3		Perspective – Humanities	3
16					16

SENIOR YEAR

Com College	Fall Semester	Credit	Com College	Spring Semester	Credit
Western	ENGR 400 Engineering Capstone I	3	Western	ENGR 450 Engineering Capstone II	3
Western	ME 401 Design of Machine Elements II	3	Western	ENGR 402 System Dynamics and Control	3
Western	ENGR 411 Engr. Numerical Analysis	3	Western	Perspective - upper level course	3
Western	Technical Elective	3		Perspective – World Cultures	3
	Perspective – Fine & Performing Arts	3			
15					12

Western Carolina - Min Credit Hours Required for Graduation in Engineering – ME Concentration

126