

ECU Environmental Engineering

(Unofficial Community Colleges to ECU Curriculum)

Degree Earned: ECU Bachelor of Engineering – Concentration in Environmental Engineering Transfer GPA = 2.5

Effective: 2017 █ Grey Highlighted Courses – Take Courses at ECU

FRESHMAN YEAR

Fall Semester		Credit	Spring Semester		Credit
DFT 170	ENGR 1012 Engineering Graphics	2	ECU	ENGR 1016 Intro to Engineering	2
EGR 150	ENGR 1000 Intro to Engineering	1	ECU	ENGR 2050 Computing Applications in Engineering	3
BIO 111	BIOL 1050.1051 General Biology & Lab or BIOL 1100/1101 Principles of Biology & Lab	3	MAT 272	MATH 2152	3
MAT 271	MATH 2171 Calculus I	4	CHM 151	CHEM 1150/1151 General Chemistry I & Lab	4
ENG 111	ENGL 1100 Composition I	3	ENG 112	ENGL 2201 Writing about the Disciplines	3
HIS, POL, PSY, SOC	Social Science Elective	3			
17			15		

SOPHOMORE YEAR

Fall Semester		Credit	Spring Semester		Credit
EGR 220	ENGR 2022 Statics	3	EGR 225	ENGR 2450 Dynamics	3
ECU	ENGR 2000 Engineering Design/PM I	1	ECU	ENGR 3800 Quality Control for Engineers	3
ECU	ENGR 2070 Materials and Processes	3	MAT 285 & MAT 280	MATH 2154 Differential Equations & Linear Algebra	4
MAT 273	MATH 2153 Calculus III	3	PHY 252	PHYS 2360 University Physics II	4
PHY 251	PHYS 2350 University Physics I	4	CHM 152	CHEM 1160/1161 Chemistry 2 and Lab	4
ECU	MATH 3307 Engineering Statistics	3			
17			18		

JUNIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
ECU	ENGR 3024 Mechanics of Materials	3	ECU	ENGR 3000 Engr. Design/PM II	2
ECU	ENGR 3420 Engr. Econ	2	ECU	ENGR 3034 Thermal & Fluid Systems	4
ECU	ENVE 3103 Water Quality	3	ECU	ENVE 3203 Water & Wastewater Treatment	3
ECU	ENGR 2514 Circuit Analysis	4	ECU	ENGR 3050 Sensors, Meas, & Controls	3
ECU	ENVE 3303 Air Quality Engr	3	ECO 251	Social Science Elective	3
PED XXX	KINE 1000 Lifetime Physical Activity	1	PED XXX	HLTH 1000 Health in Modern Society	2
16			17		

SENIOR YEAR

Fall Semester		Credit	Spring Semester		Credit
ECU	ENGR 4010 Senior Capstone Design I	2	ECU	ENGR 4020 Senior Capstone Design II	2
ECU	ENVE 4103 Engr. Surface Water/Hydrology	3	ECU	ENVE 4203 Engr. Groundwater/Hydrology	3
ECU	Tech Elective	3		Humanities and Fine Arts Elective	3
	Humanities and Fine Arts Elective	3	HUM 110	Social Science Elective	3
PHI 240	PHIL 2274 or 2275 Professional Ethics Humanities and Fine Arts Elective	3	HIS, POL, PSY, SOC	Social Science Elective	3
14			14		

ECU - Minimum Credit Hours Required for Graduation in Environmental Engineering:

128