

Environmental Engineering Checksheet

Name: _____
Student ID#: _____

Common First Year (CFY)	Fall	Term(s)	Course #	Course Title	Hrs		Prerequisites
			ENGR 1300	Exploring Engineering and Technology w/Success*	2		
			ENGR 1301	Foundations of Math & Science for Engineering*	3		
			MATH 1241	Calculus I*	3		Math Placement Level 4/MATH 1103
			XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512) Fnd Amer Demo 1575)	3		https://ge.charlotte.edu/charlotte-core-general-education-curriculum/
			XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512) Fnd Amer Demo 1575)	3		https://ge.charlotte.edu/charlotte-core-general-education-curriculum/
Total:					14		
Common First Year (CFY)	Spring	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			ENGR 1302	Logic and Computational Problem Solving*	3		
			ENGR 1303	Engr Visual & Graphical Communication*	3		Only 2 attempts allowed
			MATH 1242	Calculus II*	3		MATH 1241
			PHYS 2101	Physics I*	3		MATH 1241, PHYS 2101L
			PHYS 2101L	Physics I Lab*	1		PHYS 2101
			WRDS 1103/1104	Writing & Inquiry in Academic Contexts*	3		Note: WRDS 1104 is 4 credit hours
Total:					16		
Second Year	Fall	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			MATH 2241	Calculus III*	3		MATH 1242 w/grade of C or better
			MEGR 2141	Engineering Mechanics I (Statics)*	3		PHYS 2101 & MATH 1242 w/grade of C or higher
			BIOL 1110	Principles of Biology*	3		Only 2 attempts allowed
			CEGR 2102	Engineering Economics*	3		ENGR 1302 w/grade of C or higher
			CTCM 2530	Critical Thinking and Comm	3		WRDS 1103 or 1104 & Sophomore Standing
Total:					15		
Second Year	Spring	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			MATH 2171	Differential Equations*	3		MATH 1242 w/grade of C or higher
			CHEM 1352	General Chemistry for Engineering*	4		ENGR 1301 or CHEM 1251 w/grade of C or higher
			CEGR 2101	Civil Engineering Drawing*	2		ENGR 1303 w/grade of C or higher
			CEGR 2154	Design Project Lab	2		ENGR 1300 & CEGR 2102 w/grade of C or higher
			ESCI 2210	Field Methods in the Earth & Environmental Sci	3		Permission of Instructor
Total:					14		
Third Year	Fall	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			CEGR 3141	Intro to Environmental Eng*	3		MATH 2171, CHEM 1352 or CHEM 1252/L, & MEGR 2141 all w/grade of C or higher
			CEGR 3143	Hydraulics & Hydrology*	3		MATH 2171 & MEGR 2141 both w/grade of C or higher
			MEGR 3111	Thermodynamics*	3		MATH 1242 & PHYS 2101 w/grade of C or higher
			CEGR 3155	Environmental Lab	2		CEGR 3141
			ESCI 4210 or ESCI 4233	Soil Science Geoenvironmental Site Characterization	4		Permission of Instructor
Total:					15		
Third Year	Spring	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			CEGR 4146	Advanced Engineering Hydraulics*	3		CEGR 3143 w/grade of C or higher
			ENVE 3145	Hydraulics Lab	2		CEGR 4146
			CEGR 4242	Wastewater Treatment Design*	3		CEGR 3141 w/grade of C or higher
			CEGR 4264	Landfill Design* or	3		CEGR4264/CEGR 3141 w/grade of C or higher)
			CEGR 4145	Groundwater Resources Engineering*	3		CEGR4145/CEGR 3143 w/grade of C or higher)
			ENVE 3111	Construction Engineering	2		CEGR 3141 w/grade of C or higher
			CEGR Elective		3		Only 2 attempts allowed
Total:					16		
Fourth Year	Fall	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			STAT 3128	Probability & Statistics for Engineers	3		MATH 2241 w/grade of C or higher
			CEGR 4142	Water Treatment Engineering*	3		CEGR 3141 w/grade of C or higher
			CEGR 4144	Engineering Hydrology	3		CEGR 3143 w/grade of C or higher
			CEGR 4149	Environmental Eng Principles & Printices	3		CEGR 3141 w/grade of C or higher
			CEGR Technical Elective		3		Only 2 attempts allowed
Total:					15		
Fourth Year	Spring	Term(s)	Course #	Course Title	Hrs		Prerequisites
							Only 2 attempts allowed
			ENVE 3202	Environmental Systems & Design	2		Instructor's Approval
			CEGR 4153	Fundamentals of Environmental Microbiology	3		CEGR 3141 w/grade of C or higher
			ENGR 3295	Professional Development	1		<i>Junior Standing</i>
			CEGR Technical Elective		3		Only 2 attempts allowed
			XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512) Fnd Amer Demo 1575)	3		Only 2 attempts allowed
			XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512) Fnd Amer Demo 1575)	3		https://ge.charlotte.edu/charlotte-core-general-education-curriculum/
Total:					15		

* = grade of C or better is required for degree progression

Courses in *italics* can be taken as a **pr** or **co**-requisite

Course in **bold** must be taken as a co-requisite