

# Academic Plan of Study (APS) for BS in Environmental Engineering

120 hours required to complete degree

Courses in **BOLD** require a grade of "C" or better - Effective Fall 24

Course	Pre/Corequisites	Cr. Hrs	Course	Pre/Corequisites	Cr. Hrs
<b>MATH 1241: Calculus I</b>	MATH 1103 or math placement	3	<b>MATH 1242: Calculus II</b>	MATH 1241	3
BIOL 1110 Principles of Biology		3	<b>PHYS 2101: Physics I</b>	MATH 1241	3
<b>ENGR 1201: Intro to Eng I</b>	Co-req: MATH 1241	2	<b>PHYS 2101L: Physics I Lab</b>	Pre/Coreq: PHYS 2101	1
Theme Course 1		3	<b>UWRT 1103: English</b>		3
Theme Course 2		3	<b>ENGR 1202: Intro to Eng II</b>	ENGR 1201 with "C" or better	2
		14	Theme Course 3		3
					<b>15</b>

Course	Pre/Corequisites	Cr. Hrs	Course	Pre/Corequisites	Cr. Hrs
<b>MATH 2241: Calculus III</b>	MATH 1242	3	<b>MATH 2171: Diff. Eq.</b>	MATH 1242	3
<b>MEGR 2141: Eng Mechanics I (Statics)</b>	PHYS 2101 & MATH 1242 with "C" or better	3	<b>CHEM 1252 Chemistry II</b>	PHYS 2101 or CHEM 1251	3
<b>CHEM 1251: Chemistry I</b>	MATH 1100 or above	3	<b>CHEM 1252 Chemistry II Lab</b>	Pre/Coreq PHYS 2102 or Pre/Coreq CHEM 1252	1
<b>CHEM 1251L: Chemistry I Lab</b>	Pre/Coreq: CHEM 1251	1	<b>CEGR 2103 Surveying and Technical Drawing</b>	ENGR 1202 with a grade of C or above	3
<b>CEGR 2102: Eng. Econ.</b>	ENGR 1201 with a grade of C or above	3	<b>CEGR 2154: Design Project Lab</b>	CEGR 2102 with a grade of C or above	2
CTCM 2530		3	ESCI 2210 : Field Methods in the Earth and Environmental Sciences	Permission of instructor	3
		16			<b>15</b>

Course	Pre/Corequisites	Cr. Hrs	Course	Pre/Corequisites	Cr. Hrs
<b>CEGR 3141: Environmental Eng</b>	MATH 2171, CHEM 1251, CHEM 1251L, & MEGR 2141 with grades of C or above	3	CEGR 4149: Environmental Engineering Principles and Practices	CEGR 3141 with a C or above	3
<b>CEGR 3143: Hydraulics and Hydrology</b>	MATH 2171 and MEGR 2141 with grades of C or above	3	CEGR 4153: Fundamentals of Environmental Microbiology	CEGR 3141 with a C or above	3
<b>MEGR 3111 - Thermodynamics</b>	MATH 2171 & PHYS 2101 with grades of C or above	3	<b>CEGR 4144: Engineering Hydrology</b>	CEGR 3143 with a C or above	3
CEGR 3155: Environmental Lab	Pre/Coreq: CEGR 3141	2	<b>CEGR 4264: Landfill Design or CEGR 4145: Groundwater Resources Engineering</b>	CEGR 3141 with a C or above	3
ESCI 4210 Soil Science or ESCI 4233 Geoenvironmental Site Characterization	Permission of Instructor	4	<b>ENVE 3111 Construction Engineering</b>	CEGR 3141 with a C or above	2
		15	CEGR Elective		3
					<b>17</b>

Course	Pre/Corequisites	Cr. Hrs	Course	Pre/Corequisites	Cr. Hrs
STAT 3128: Prob & Stat	MATH 2241	3	ENVE 3201: Senior Design	Instructor's approval	1
<b>CEGR 4142: Water Treatment Engineering</b>	CEGR 3141 with a C or above	3	<b>CEGR 4242: Wastewater Treatment Design</b>	CEGR 3141 with a C or above	3
ENVE 3145 Hydraulics Lab	Coreq: CEGR 4146	2	ENGR 3295: Prof Dev		1
<b>CEGR 4146: Advanced Engineering Hydraulics</b>	CEGR 3143 with a C or above	3	CEGR/Technical Elective		3
CEGR/Technical Elective		3	CEGR/Technical Elective		3
		14	Theme Course 4		3
					<b>14</b>

Total Hours = 120