جامعة الشرقية
A' SHARQIYAH UNIVERSITY

College	College of Engineering	Department	Energy and Sustainable Engineering
Program	Environmental Engineering	Degree Level	Bachelor of Engineering
Total Credit Hours	137 CH	Applicable for batch of	2018 and above

Year One		Year Two		Year Three		Year Four		Year Five
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
ISLM101 Islamic Civilization	CHEM101 Chemistry	CVEN310 Surveying Pre-R: MATH101	CVEN232 Engineering Geology Pre-R: CHEM101	CVEN332 Civil Engineering Materials Pre-R: ENGR110	MATH305 Numerical Methods Pre-R: MATH102	ENEN582 Desalination Engineering Pre-R: CVEN332	CVEN491 Capstone Design Project I Pre-R: 90CH	CVEN592 Capstone Design Project II Pre-R: CVEN491
ENGL101 English Communication Skills 1	ENGL102 English Communication Skills 2 Pre-R: ENGL101	ENEN301 Environmental Chemistry Pre-R: CHEM101	ENEN201 Renewable Energy Pre-R: MATH102	ENEN422 Environmental Measurements Pre-R: ENEN301	ENEN431 Water & Wastewater Treatment Pre-R: CVEN361	MATH406 Calculus III Pre-R: MATH102	CVEN554 Hydrogeology & Groundwater Contamination Pre-R: CVEN451	CVEN553 Water Resources Engineering Pre-R: CVEN451
ENGR111 Computer Applications	MATH102 Calculus 2 Pre-R: MATH101	ENGR201 Engineering Drawing	CVEN361 Environmental Engineering Pre-R: CHEM101	MATH204 Probability and Statistics Pre-R: MATH102	ENEN302 Environmental Microbiology Pre-R: CHEM101	CVEN471 Engineering Project Management Pre-R: ENGR201	ENEN441 Air Pollution Pre-R: CVEN361	CVEN552 Engineering Hydrology Pre-R: CVEN451
MATH101 Calculus I	PHYS102 Physics 2 Pre-R: PHYS101	ENGR202 Technical Writing and Presentation Pre-R: ENGL102	CVEN350 Thermofluids Engineering Pre-R: PHYS102	CVEN451 Hydraulics Engineering Pre-R: CVEN350	ENEN360 Environmental Law Pre-R: ENEN301	ENGR404 Engineering Economics Pre-R: MATH204	Environmental Engineering Elective	Environmental Engineering Elective
PHYS101 Physics I	ENGR110 Engineering Laboratories	MATH215 Linear Algebra Pre-R: MATH101	ENGR321 Dynamics Pre-R: ENGR220	MNGT 313 Entrepreneurship Pre-R: 60CH	MATH203 Differential Equations Pre-R: MATH102	ENEN572 Environmental Impact Assessment Pre-R: CVEN361	ENEN461 Solid Waste Management Pre-R: CVEN361	Environmental Engineering Elective
		ENGR220 Statics Pre-R: MATH101					ENGR322 Summer Internship	
15 CH	15 CH	18 CH	14 CH	15 CH	15 CH	15 CH	15 CH	15 CH

List of Elective Courses:

A student must register in **3** courses with total of **9** credits hours following the program study plan

Course Code	Course Title	Pre-Requisite	Credits hours
CNMN405	Building Information Modelling	ENGR201	3
ENEN531	Advanced Wastewater Treatment	ENEN431	3
ENEN561	Industrial and Hazardous Waste	CVEN361	3
ENEN571	Environmental Pollution	CVEN361	3
ENEN581	Climate Change	CVEN361	3
ENEN583	Waste and Energy	CVEN461	3
ENEN584	Sustainable Engineering	CVEN361	3
COEN280	Construction Methodology		3
COEN282	Construction Equipment		3
COEN585	GIS Application in Civil Engineering		3
COEN586	Sustainable Construction	CVEN361	3
CVEN260	Geotechnical Engineering		3
CVEN564	Coastal Engineering	CVEN451	3
OJTR406	Industrial Internship I	90 Credit hours	0
OJTR407	Industrial Internship II	OJTR406	0