

Zayed University
College of Natural and Health Sciences
Bachelor of Science in Environmental Science and Sustainability
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	FYE100	Academic Foundations and Development	3	FYE105	Workplace Readiness and Professional Skills	3	
FYE110		Reasoning with Data	3	FYE125	(CAA mandated) UAE Studies	3		
FYE120		(CAA mandated) Islamic Studies	3	FYE145/ 146	Arabic Concepts for Native Speakers/ Non-Native Speakers	3		
FYE140		Critical Analysis and Composition	3	FYE155	Digital Humanities	3		
FYE150		Fundamentals of Innovation and Entrepreneurship	3	FYE195	Artificial Intelligence Essentials and Applications	3		
			*Total	15			*Total	15
Year 2	Semester 3			Semester 4				
	MTH214	Mathematics for Science	3	BIO210	Biological Concepts I	3		
	ENV240	Principles of Environmental Sustainability	3	BIO211	Biological Concept I Lab	1		
	Elective	ZU Elective	3	CHE210	General Chemistry I	3		
	MTH281	Probability and Statistics	3	CHE211	General Chemistry I Lab	1		
	ENV241	Earth Systems	3	PHY210	General Physics I	3		
				PHY211	General Physics I Lab	1		
				Elective	ZU Elective	3		
			Total	15			Total	15
Year 3	Semester 5			Semester 6				
	BIO220	Biological Concepts II	3	CHE375	Organic Chemistry	3		
	BIO221	Biological Concepts II Lab	1	CHE376	Organic Chemistry Lab	1		
	CHE220	General Chemistry II	3	BIO382	Microbiology	3		
	CHE221	General Chemistry II Lab	1	BIO383	Microbiology Lab	1		
	PHY220	General Physics II	3	BIO361	Ecology and Conservation Biology	3		
	PHY221	General Physics II Lab	1	BIO362	Ecology and Conservation Biology Lab	1		
	Elective	ZU Elective	3	ENV360	Environmental Policy and Economics	3		
		Total	15			Total	15	
Year 4	Semester 7			Semester 8				
	ENV466	Research Methods	3	ENV490	Internship	3		
	ENV470	Water and Solid Waste Management	3	ENV491	Senior Project	3		
	ARA345	Advanced Arabic Skills	3	ENV474	Energy and Sustainability	3		
	CHE471	Environmental Chemistry	3	ENV477	Case Studies in Environmental Hazards	3		
	ENV371	Introduction to Environmental Health	3	Elective	Program Elective	3		
		Total	15			Total	15	

*General Education Course

Total = 120 Credit Hours