

**AY2024-25 CURRICULUM FOR BACHELOR OF ENGINEERING (ENVIRONMENTAL ENGINEERING)
(SECOND YEAR DIRECT ENTRY ADMISSION)**

Last Updated : 4-Jul-24

SUMMARY OF ACADEMIC UNIT REQUIREMENT						
Year of Study	Core	MPE	CC	FC	BDE	Total AU
2	34	0	4	0	0	38
3	20	3	7	8	3	41
4	22	0	6	2	2	32
Total	76	3	17	10	5	111

YEAR 2 SEMESTER 1				
Course Code	Course Title	Type	AU	Pre-Requisite
MH1810	Mathematics 1	C	3	
PH1012	Physics A	C	4	
CV1011	Mechanics of Materials	C	4	
CV1012	Fluid Mechanics	C	3	
EN1001	Environmental Chemistry	C	3	
EN2004	Soil Environment and Soil Mechanics	C	3	
CC0001	Inquiry and Communication in the Interdisciplinary World	CC	2	
			22	

YEAR 2 SEMESTER 2				
Course Code	Course Title	Type	AU	Pre-Requisite
CV1014	Introduction To Computational Thinking	C	3	
CV2020	Water Resources Engineering	C	3	CV1012
EN2002	Environmental Biology and Microbiology	C	3	
EN3003	Environmental Transport Processes	C	3	
EG1001	Engineers In Society	C	2	
CC0002	Navigating the Digital World	CC	2	
			16	

YEAR 3 SEMESTER 1				
Course Code	Course Title	Type	AU	Pre-Requisite
CV0003	Introduction to Data Science and Artificial Intelligence	FC	3	CV1014
EN2711	Environmental Engineering Laboratory A	C	1	
EN3001	Solid & Hazardous Waste Management	C	3	Year 3 Standing
EN3002	Wastewater Engineering	C	3	Year 3 Standing
EN3004	Air Pollution Control Engineering	C	3	Year 3 Standing
MH2814	Probability & Statistics	C	3	MH1810
CC0003	Ethics & Civics in a Multi-Cultural World	CC	2	
			18	

YEAR 3 SEMESTER 2

Course Code	Course Title	Type	AU	Pre-Requisite
EN2712	Environmental Engineering Laboratory B	C	1	
EN2003	Water Supply Engineering	C	3	CV1012
EN2005	Environmental Health and Safety Management	C	3	
EN4XXX	Major Prescribed Elective	MPE	3	Refer to Syllabus
CC0005	Healthy Living & Wellbeing	CC	3	
ML0004	Career and Entrepreneurial Development for the Future World	CC	2	
	Broadening & Deepening Electives 1	BDE	3	
			18	

YEAR 3 SPECIAL SEMESTER

Course Code	Course Title	Type	AU	Pre-Requisite
EN3910	Professional Attachment	FC	5	Year 3 standing & completed at least 4 semesters of study
			5	

YEAR 4 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-Requisite
CV4012	Project Planning & Management	C	2	Year 4 Standing
EN3006	Energy Resource Engineering	C	3	
EN4001	Environmental Impact Analysis & Monitoring	C	3	
EN4711	Seminars & Site Visits	C	1	
EN4911	Final Year Project	C	4	Year 4 Standing
HW0288	Engineering Communication	FC	2	CC0001
CC0006	Sustainability: Society, Economy & Environment	CC	3	
			18	

YEAR 4 SEMESTER 2

Course Code	Course Title	Type	AU	Pre-Requisite
EN4003	Environmental Systems Analysis	C	2	
EN4911	Final Year Project	C	4	Year 4 Standing
EN4912	Integrated Design Project	C	3	Year 4 Standing
CC0007	Science & Technology for Humanity	CC	3	
	Broadening & Deepening Electives 2	BDE	2	
			14	

Total AU for Graduation : **111**