جامعة عجمان
AJMAN UNIVERSITY

Summary of Climate Science and Sustainability Courses at Ajman University

Ajman University's academic programs **include** credit-bearing courses focused on climate science, environmental sustainability, energy efficiency, and climate-responsive design, in direct response to the **Climate Science and/or Sustainability Courses indicator**. The programs and courses listed were identified through a systematic review of approved study plans and publicly available course information, ensuring that all included courses address environmental or climate-related themes and lead to officially recognized academic credits. The review further confirms that, while the University offers multiple sustainability- and climate-related courses embedded within its degree programs, it does not currently award qualifications whose official titles explicitly refer to climate science or environmental sustainability. For transparency, all program names are hyperlinked to their official program description pages on the University's website. This approach ensures accuracy, clarity, and alignment with the indicator requirements.

Program	Sustainability / Environmental Courses (from Study Plan)	Key Themes Covered	Relevant SDGs	Reporting Use
1- **Bachelor of Architecture**	Courses Descriptions ARC373 – Sustainable Architecture; ARC375 – Active Thermal & Environmental Control; ARC235 – Advanced Building Technology; ARC420 – Urban Design; ARC363 – Landscape Architecture; ARC422 – Heritage Conservation	Climate-responsive design, energy efficiency, low-carbon buildings, sustainable urban environments	**SDG 13**; SDG 7, SDG 11	Availability of courses; Credit-bearing courses
2- **Bachelor of Architectural Engineering**	Courses Descriptions ARC373 – Sustainable Architecture; ARE374 – Building Mechanical Systems; ARE331 – Advanced Building Construction Technology; ARE501 – Graduation Project II	Energy-efficient buildings, environmental impact mitigation, climate-responsive engineering	**SDG 13**; SDG 7, SDG 11	Availability of courses; Credit-bearing courses
3- **Master of Science in Urban Design**	Courses Descriptions MUD611 – Sustainability and Energy Saving; MUD620 – Social & Economic Factors in Urban Development; MUD605 – Urban Design Studio; MUD612 – Architecture and Urban Environment in the Gulf Region; MUD650 – Urban Landscape Design	Climate-resilient cities, energy-efficient urban form, environmental impact of urban development, sustainable landscapes	**SDG 13**; SDG 11	Availability of courses; Credit-bearing courses
4- **Bachelor of Interior Design**	Courses Descriptions BID307 – Sustainability for Interior Design; BID333 – Interior Building Systems; BID402 – Graduation Project II	Climate-responsive interiors, material efficiency, indoor environmental quality	**SDG 13**; SDG 11, SDG 12	Availability of courses; Credit-bearing courses

Program	Sustainability / Environmental Courses (from Study Plan)	Key Themes Covered	Relevant SDGs	Reporting Use
5- Bachelor of Science in Mechanical Engineering	Courses Descriptions MEC453 – Renewable Energy Systems; MEC456 – Water Desalination; MEC403 – Refrigeration & Air Conditioning; MEC301 – Heat Transfer	Renewable energy, climate-related thermal systems, sustainable energy engineering	**SDG 13**; SDG 7, SDG 6	Availability of courses; Credit-bearing courses
6- Bachelor of Science in International Hospitality Management	Courses Descriptions (Major Requirements) HOS411 – Sustainable Hospitality Management; HOS311 – Tourism & Destination Management; HOS423 – Capstone Project	Climate-responsible tourism, sustainable operations, environmental impact reduction	**SDG 13**; SDG 12	Availability of courses; Credit-bearing courses
7- Master of Business Administration (MBA)	Courses Descriptions (Core Courses) MBA604 – Sustainability and Strategic Decision-Making	Climate-related business strategy, sustainability integration, climate risk awareness	**SDG 13**	Availability of courses; Credit-bearing courses
8- Master of Science in Artificial Intelligence	Courses Descriptions MAI613 – Special Topics in AI; MAI698 – Master Project; MAI699 – Master Thesis	AI for climate optimisation, environmental modelling, energy-efficient systems	**SDG 13**; SDG 9	Availability of courses; Credit-bearing courses
9- Bachelor of Science in Computer Engineering	Courses Descriptions ENV113 – Science of Energy and Global Environment; COE431/432 – Engineering Project I & II	Energy systems, global environmental challenges, climate-aware engineering solutions	**SDG 13**; SDG 7	Availability of courses; Credit-bearing courses

Program	Sustainability / Environmental Courses (from Study Plan)	Key Themes Covered	Relevant SDGs	Reporting Use
10- **Bachelor of Science in Information Systems**	Courses Descriptions INT309 – Cloud Computing; INT307 – IT Project Management; INS405 – IS Project	Energy-aware computing, climate-relevant digital solutions	**SDG 13**; SDG 9	Availability of courses; Credit-bearing courses
11- **Bachelor of Law**	ENV113 – Science of Energy and Global Environment; LAW490 – Environment Protection Law	Environmental protection, climate-related legal frameworks	**SDG 13**; SDG 16	Availability of courses; Credit-bearing courses
12- **Bachelor of Mass Communication (All Tracks)**	ENV113 – Science of Energy and Global Environment; FUT301 – Foresight Future	Climate awareness, sustainable futures, climate communication	**SDG 13**	Availability of courses; Credit-bearing courses