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 QS Climate Science and/or Sustainability Courses indicator.

All courses listed are embedded within approved degree programs and carry officially recognized academic credits under the University's Ministry-of-Education-approved credit system, which is comparable to internationally recognized frameworks such as the European Credit Transfer and Accumulation System (ECTS).

The programs and courses 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 contribute to formally assessed academic outcomes.

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