



Sustainability Report 2025



Yarmouk University offers a comprehensive range of academic programs and courses specifically dedicated to climate science and environmental sustainability. These programs are delivered through specialized departments such as the Department of Earth and Environmental Sciences and the Department of Biological Sciences.

The curriculum is designed to provide students with deep theoretical and practical knowledge in climate modeling, ecosystem management, and sustainable development. Furthermore, the university offers general "service courses" available to all students, ensuring that sustainability literacy is integrated across all academic disciplines. All these courses are part of officially accredited study plans approved by the Ministry of Higher Education and Scientific Research in Jordan.

1- Department of Earth and Environmental Sciences (EES):

Established in 1981, the Department of Earth and Environmental Sciences at Yarmouk University stands as a premier academic hub dedicated to addressing global environmental challenges and the climate crisis. The department offers rigorous, officially accredited programs leading to Bachelor's and Master's degrees (M.Sc.) in both Geology and Environmental Sciences. These qualifications specifically focus on climate science, resource sustainability, and environmental management.

The EES department facilitates cutting-edge interdisciplinary research and teaching in key areas including Environmental Physics, Environmental Chemistry, and GIS, providing students with the technical expertise to monitor and mitigate environmental impact. To ensure broad institutional literacy, the department offers specialized minor programs in Environmental Sciences for students across all disciplines. By bridging theoretical knowledge with applied fieldwork and research, the department equips graduates with the essential skills to lead as sustainability experts in both academia and the global industry, directly supporting



<https://science.yu.edu.jo/index.php/en/>

<https://science.yu.edu.jo/index.php/admissionar/earth-dept>





<https://science.yu.edu.jo/index.php/2023-11-07-11-02-55>



<https://science.yu.edu.jo/index.php/earth-prog-ar>



<https://science.yu.edu.jo/index.php/earth-bsc-plan>



<https://www.yu.edu.jo/index.php/newarc/5420-2024-03-14-09-32-07>

2- Department of Geography

The Department of Geography at Yarmouk University is a leading academic center for the study of spatial dynamics and environmental systems. It offers officially recognized Bachelor's and Master's degrees in both General Geography and Applied Geography. The department's curriculum is strategically designed to include specialized, credit-bearing courses in Climatology, Natural Resource Management, and Urban Planning.

By integrating advanced geospatial technologies and analytical methods, the department focuses on addressing the practical challenges of climate change adaptation and sustainable territorial development. Students are trained to evaluate the impact of environmental shifts on human and natural resources, providing them with a professional qualification that is essential for sustainable policy-making and environmental consultancy. This academic focus ensures that graduates are capable of leading initiatives that align with global climate action and sustainable urban growth goals.



<https://arts.yu.edu.jo/index.php/2022-10-12-18-50-17/geography-det-ar>



<https://arts.yu.edu.jo/index.php/geography-prog-ar>



<https://arts.yu.edu.jo/index.php/geography-bsc-ar>

3- Department of Biological Sciences

Established in 1976 alongside the founding of Yarmouk University, the Department of Biological Sciences is a cornerstone of academic excellence in life sciences and environmental stewardship. The department offers officially





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recognized qualifications, including Bachelor's (B.Sc.) and Master's (M.Sc.) degrees, with specialized graduate tracks in critical sustainability fields such as Botany, Microbiology, Genetics, and Molecular Biology.

With a robust enrollment of approximately 500 undergraduate and 50 graduate students, the department plays a vital role in advancing research related to biodiversity conservation and ecosystem health. The curriculum is designed to meet international standards, ensuring that graduates—who now number over 1,200—are equipped with the expertise to address biological and environmental challenges. By integrating rigorous laboratory work with theoretical knowledge, the department provides the necessary academic credits and professional training to foster a new generation of leaders dedicated to the UN Sustainable Development Goals, particularly those focused on Life on Land (SDG 15) and Climate Action (SDG 13).



<https://science.yu.edu.jo/index.php/en/>



<https://science.yu.edu.jo/index.php/admissionar/apply-online>



<https://science.yu.edu.jo/index.php/2023-11-12-09-01-16>



<https://science.yu.edu.jo/index.php/2023-11-12-08-57-26>



<https://science.yu.edu.jo/index.php/bio-prog-ar>



<https://science.yu.edu.jo/index.php/bio-images>

4- In addition to the scientific service Courses section, which offers many courses related to sustainable development, environmental development and climate.



<https://science.yu.edu.jo/index.php/ssc-plan>



<https://engineering.yu.edu.jo/index.php/departments/ce>



<https://engineering.yu.edu.jo/index.php/departments/ie>

