



Water Education in Alexandria University



Postgraduate Water Resource Management Scholarship Program 2021 – 2022

The Center of Excellence for Water is a USAID funded activity and implemented by the American University in Cairo (AUC). The Center of Excellence for Water, which is based at Alexandria University aims at improving the relevance and quality of water curricula, developing innovative teaching methods and elevating water related research capacities to produce market driven research products towards achieving the Egyptian Sustainable Development Strategy and Vision 2030.

It is within this context of improving quality and relevance of water curricula at Egyptian partner Universities that the Center of Excellence for Water is pleased to announce the

First Call for application for the Academic Year AY 2021 - 2022:

"Full Two Years Masters Scholarships"

to obtain their MSc in Sustainable Water Management at one of the Egyptian Partner Universities (Alexandria University, Ain Shams University, Aswan University, Beni Suef University, Zagazig University).

Scholarship Benefits

Scholarship recipients are entitled to the following benefits:

- Postgraduate tuition fees (for the two years of the master's program).
- Monthly stipend.
- Housing allowance (for students coming from governorates other than the one they will be studying in).
- Lap top.
- Compete for a "Semester abroad" opportunity to conduct thesis research at one of the US partner universities (Temple University, University California Santa Cruz, Washington State University, Utah State University).

Eligibility Criteria

Selection of candidates for the scholarships is based on an evaluation of the submitted application in addition to an interview considering equal opportunity without prejudice, regardless of gender, race, religion, age, disability or other personal attributes. The Center of Excellence for Water strongly encourages **female** applicants, and students with **disabilities** to apply for the scholarship.

Successful applicants should meet the following eligibility criteria:

1. Have Egyptian Nationality



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2. Fulfill the host university's enrollment criteria (academic and administrative)
3. Demonstrate personal skills and interest in a water related career
4. Respectful and flexible to adapt to other cultures
5. Willing to participate in other activities of the Center of Excellence for Water and transfer experience to other students

Requirements

Admitted students to the **Postgraduate Water Resource Management Scholarship Program** should comply with the following two requirements:

- a. Students should select elective courses based on the required course load at their home university, from the following list of 23 courses identified by the Center of Excellence for Water.
 1. Water Resources Management
 2. Systems Thinking for Sustainable Development
 3. Introduction to Sustainable Systems Design
 4. Water Policy, Security and Governance
 5. Advanced Geographic Information Systems in Water Engineering
 6. Remote Sensing of Land Surfaces
 7. Groundwater Modelling
 8. Surface Water Quality Modeling
 9. Hydrologic Field Methods, Monitoring and Experimentation
 10. Engineering and Science Informatics/Hydroinformatics
 11. Climate Change Mitigation in Water Resources Management
 12. Pollution Prevention and Industrial Ecology
 13. Infrastructure Planning for Water Sustainability and Reuse
 14. Risk and Benefit Analysis in Sustainable Design
 15. Integrated River Basin/Watershed Planning and Management
 16. Wadi Hydrology
 17. River Bank Filtration
 18. Ecosystems Restoration
 19. Wetlands Management and Conservation
 20. Advanced Water and Wastewater Treatment for Reuse
 21. Water Supply and Demand Management
 22. Advanced Irrigation and Drainage Engineering
 23. Design of Wells and Dewatering Systems

