



## CENTER OF EXCELLENCE FOR ENERGY (COE/E)

### Summer 2024 Internship Program

Application deadline: May 24, 2024, 11:59 PM Cairo time

[APPLY HERE](#)

## COE Internship Program

The COE/E is continuing its student internship program in Summer 2024, providing undergraduate students from ASU-EG, MU, and AU with practical, hands-on training at various companies and organizations in Egypt's energy sector. The COE/E accepts applications from **all** qualified students and encourages participation from female students, students with disability, and students with demonstrated financial need.

Students will receive a certificate of completion from the sponsoring organization or company if they successfully complete at least 90% of their internship program. Program start and end dates, location, and topics vary by internship opportunity; thus, applicants should carefully review program details in section *VII Internship Program Details* below.

### I. Eligibility Criteria

To be eligible for the Summer 2024 Internship Program, student applicants must satisfy the following criteria:

- Be an Egyptian citizen
- Be a student enrolled in an energy-related program at one of the center's three partnering universities:
  - Ain Shams University, Faculty of Engineering
  - Mansoura University, Faculty of Engineering
  - Aswan University, Faculty of Engineering and Faculty of Energy Engineering
- Have completed the application package in its entirety according to the prescribed guidelines below (*IV. Application, Selection, and Placement Process*)

### II. Application, Selection, and Placement Process

Candidates should complete an application online using the [link](#) provided.

All applicants will be screened for eligibility (see section *III. Eligibility Criteria* above). Students who meet the eligibility criteria will have their applications evaluated by a panel of on the on their academic merit and background. Each applicant can select the top 3 preferences for the companies. As space, internship location, and funding is limited, **an applicant's preferences are not guaranteed.**

**\* Please note that while all applicants will undergo a screening process by the center for internship selection, certain placements may require additional screening by the host organization.**

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### III. Summary of Internship Opportunities Available

No.	Training Topic	Provider	Location	Duration	Provider website
1	Solar Energy	Infinity	Cairo	1-2 weeks	<a href="#">Link</a>
2	Solar Energy	TOTAL Energies	Aswan/Cairo	1-2 weeks	<a href="#">link</a>
3	Home Appliance	Fresh Group	Cairo	1-2 weeks	<a href="#">Link</a>
4	Home Appliance	ElAraby	Menoufia	1-2 weeks	<a href="#">link</a>
5	Protection systems and Electrical products	EMAS, El Sewedy Industries Group	Cairo	1-2 weeks	<a href="#">Link</a>
6	Electrical power	Upper Egypt Electricity Distribution Company	Aswan	1-2 weeks	
7	Electrical Power, Mechanical Power, Renewable Energy	Hydro Plants Generation Company Training Center	Aswan	1-2 weeks	
8	Oil and Gas	SIDPEC	Alexandria	1-2 weeks	<a href="#">Link</a>
9	Oil and Gas	ELAB	Alexandria	1-2 weeks	<a href="#">Link</a>
10	Oil and Gas	Petrobel	Cairo Oil Refining Company	1-2 weeks	<a href="#">Link</a>
11	Oil and Gas	Cairo Oil Refining Company	Cairo	1-2 weeks	<a href="#">link</a>
12	Electricity	North Cairo Electricity Distribution Company Training Center	Cairo	1-2 weeks	
13	Energy	TAQA	Cairo	1-2 weeks	<a href="#">link</a>
14	laboratory equipment	BEDO	Cairo	1-2 weeks	<a href="#">link</a>

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### Tentative schedule of Hydro Plants Generation Company

Day	Date	Content
Saturday	5/8	ATC presentation Renewable Energy Types Main Components of Hydroelectric Power Plants
Sunday	6/8	Types of solar systems (On Grid - Off Grid- Hybrid)
Monday	7/8	Types of solar cell and its properties, efficiency, and read data sheet of solar P.V cell. Connection of P.V cell
Tuesday	8/8	Types of inverters and their properties, efficiency, and read data sheet of inverters. Types and connection of battery in solar system Charge controller Types of DC/AC cables in PV system
Wednesday	9/8	Heating in solar system Pumping system in solar station Types of pumps in solar system
Thursday	10/8	Calculation of OFF grid to design OFF grid station. Design ON grid station Design of heating with solar system Design of irrigation pumping with solar system
Saturday	12/8	High dam on job training
Sunday	13/8	High dam on job training
Monday	14/8	Aswan I on job training
Tuesday	15/8	Aswan II on job training
Wednesday	16/8	Solar energy on job training (Benban)
Thursday	17/8	Closing ceremony

### Financial Support

The internship training fees will be covered by the COE/E. The COE/E will also arrange and pay for accommodation and transportation for students outside of their city of residence. Students placed at internships within their city of residence will be responsible for their own transportation and accommodations.

Deadlines: Selected candidates will be notified of their acceptance and placement by **June 10, 2024**. If you have questions, please attend the pre-application workshop by the COE (to be announced).



## CENTER OF EXCELLENCE FOR ENERGY (COE/E)

**Arizona State University (ASU-US)** has established the **Center of Excellence for Energy (COE/E)** in Egypt with funding and support from USAID. The COE/E project is a partnership between ASU-US and three Egyptian partner universities (EPU): **Ain Shams University (ASU-EG)**, **Mansoura University (MU)**, and **Aswan University (AU)**.