

Credit Hours:

160 Hours

All courses are conducted in English

Degree:

The faculty grants students a bachelor's degree in the following areas:

- Civil Engineering.
- Architectural Engineering.
- Electrical Engineering (Communications and Computer Engineering).
- Mechatronics Engineering.
- Electrical and Renewable Energy Engineering.
- Mechanical Engineering (Mechanical Production Division).



THE GATE TO
YOUR FUTURE



WHY JOIN **THE FACULTY OF ENGINEERING?**

The Faculty of Engineering at **NUB** provides outstanding engineering educational and research services that meet the highest quality standards by enhancing student creativity, teaching and learning through:

- Strengthening the capabilities of our graduate engineers with scientific skills, professional knowledge and ethical values
- Training our graduates to keep abreast of rapid technological changes to lead the development of society, as well as the surrounding environment
- Providing technical laboratories with the latest equipment to support university students in conducting applied research and quality tests on national projects
- Production workshops to train university students on various technical machinery and tools to produce market requirements
- Hosting an Engineering advisory center that provides consultancy services, training and research in various engineering fields
- Faculty of Engineering choose the Faculty members who are specialized in their fields to teach our students with the highest quality of education – over and above there the Faculty invite number of Professors working in the international Universities to teach our students, for example : Professors from New Jersey Institute of Technology in USA, University of Dalhousie in Canada, and Kyushu University in Japan.

CISCO NETWORKING ACADEMY AT NUB

The Cisco Academy at **NUB** provides a comprehensive technology education programs for College- and Career- Ready Students. The **NUB** Cisco Networking Academy provides comprehensive and cost-effective course-work to teach the latest technology skills that are in high demand in businesses today. The CISCO Networking Academy curricula support a broad range of national education goals, including increased student engagement, improved 21st century career skills, and enhanced teacher expertise. Courses teach multiple levels of Networking and Information Technology.



HUAWEI ACADEMY AT NUB

Huawei Academy deliver several courses in different fields, including:

- Network Routing & Switching.
- Cloud Computing.
- Artificial Intelligence.
- Network Fourth and Fifth Generation.
- Fiber Optic Network.
- Information Security.



These courses build an appropriate foundation for knowledge and skills that undergraduate students acquire to keep pace with the government's digital transformation plan.



STUDENT SUMMER TRAINING

Students receive mid-year and summer internships at leading industry companies and universities with a reputation, both at home and abroad, linked to their specialties. This should contribute to the employment of students in these institutions upon graduation.



NAHDA LEARNING RESOURCE CENTER (NLRC)

NUB Learning Resource Center (NLRC) is a chain that connects the University with society.

Therefore, the University has established NLRC as a center of excellence for sustainable development in Upper Egypt in collaboration with the major international companies in training, human development, and information technology, which aims to build capacity and increase employment rates for Egyptians.

The Center allows the most significant possible number of community members to benefit from **NUB's** expertise, experiences, and resources by offering programs that develop the required skills and expertise while providing a supportive and encouraging environment in theory and practice.

In addition, University tasked NLRC with improving teaching, learning, and training methods to develop the capabilities of all parties involved in the educational process, leveraging academic expertise by offering advanced programs that develop the abilities and skills of **NUB** faculty and staff. The Center also offers advanced training programs for academic and administrative leaders to improve their leadership performance and decision-making abilities, as well as their intellectual and research skills.

Finally, **NLRC** offers a wide range of training programs in Digital Transformation and Enterpnuship and integrates with Aptech, IBDL, Huawei, Cisco, and Oracle academies.



Cisco



Oracle



Huawei



Aptech



IBDL



APTECH AT NUB — EMPOWERING STUDENTS WITH ESSENTIAL EMPLOYABILITY SKILLS



NUB is committed to securing its students' future by empowering them with the necessary knowledge and employability skills to introduce a generation of leaders ready for employment immediately upon graduation. Consequently, in 2017-2018, **NUB** collaborated with Aptech Academy of Learning and Training Ltd. in India, offering internationally accredited English and IT courses as university requirements at all faculties. Courses are compulsory for students who start their first academic year at **NUB** and are taught over three years of study, within three academic years, across six academic semesters.

NUB'S E-LEARNING PLATFORM:

NUB devised its online e-learning platform utilizing MOODLE Learning Management System (LMS), a platform for online teaching, learning, community building, and knowledge sharing. Our LMS system is one of the **NUB's** vital educational pillars, which sets it not only at the forefront of Egyptian universities but also provides easy access for students, through **NUB's** website, to:

- Monitor students' progress and Facilitate intelligent adaptive learning
- Enables students to interact with their tutors and peers daily
- Broadcast Synchronous and Asynchronous video lectures
- Increases productivity and efficiency of educational learning
- It helps students solve the most critical challenges in today's ever-changing environment while increasing their success chances.

