FACULTY OF
COMPUTER SCIENCE

Duration of Study:

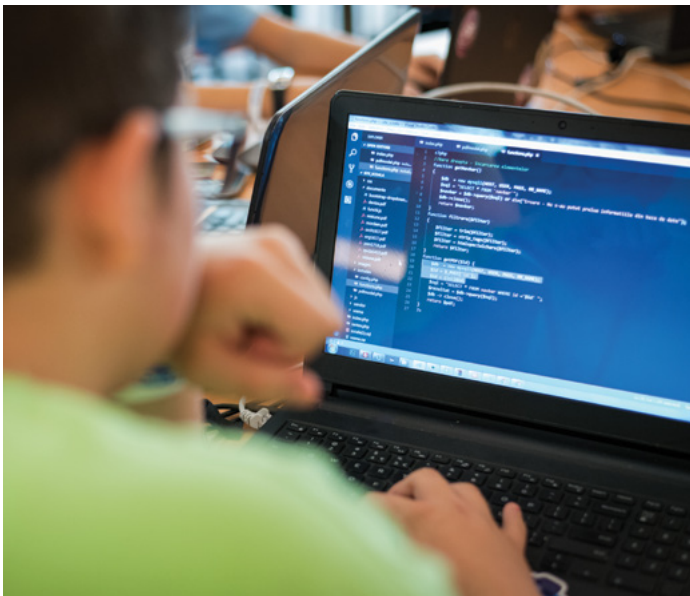Four years

Credit Hours:

146 hours
All courses are conducted in English

Degree:

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

• Computer Science

• Information Technology

• Information Systems

• Operations Research and Decision Support

THE GATE TO
YOUR FUTURE

WHY JOIN **THE FACULTY OF COMPUTER SCIENCE?**

NUB's Computer Science faculty offers a one-of-a-kind learning environment designed to prepare skilled professionals in computer science, information technology, artificial intelligence, multimedia and graphics, cyber security, and medical informatics, both practically and theoretically. Our programs are in high demand in nearly every sector and area worldwide. A computer science degree will offer you the skills and knowledge you need to enter an exciting and ever-changing industry. We are unquestionably living in the digital era, propelled by computer science.

When you graduate with your NUB computer science degree, you'll be faced with a variety of specializations and roles, such as:

- Software developer
- Computer systems analyst
- IT manager
- Computer network architect
- Mobile application designer or developer
- Research and development (R&D) scientist
- Cyber security expert
- Data science, Artificial intelligence, and machine learning programmer
- MultiMedia and Graphic Design
- Healthcare informatics specialist

CISCO NETWORKING ACADEMY AT NUB

Cisco Networking Academy at NUB provides comprehensive and cost-effective coursework to teach the technical 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
- Enhanced teacher expertise.

We designed our courses to teach multiple levels of Networking and Information Communications Technology (ICT) knowledge and skills and provide the necessary technical training.

HUAWEI ACADEMY AT NUB

Huawei Academy delivers several comprehensive technical courses in different fields, including:

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

All training courses instill the proper rehabilitation of undergraduate students to keep up with the government's plan for digital transformation.

ORACLE ACADEMY AT NUB

Oracle Academy's Mission at NUB stands to deliver advanced computer science and database education to:

- Increase knowledge and innovation
- Skills Development
- Offer Diversity in technology fields
- Preparing students at college to be career ready

The Oracle Academy at **NUB** provides a variety of resources to support continuous Computer Science learning at all levels through:

- Technology
- Curriculum and courseware
- Student workshops
- Educator training
- Oracle industry certification
- Exam preparation materials

STUDENT INTERNSHIP

Students receive mid-year and summer training in the top-notch tech companies related to their specialization. Consequently, NUB students are ready to join the work crew immediately 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.