Bachelor of Information and Communications Technology
Career Opportunities

The BICT programme prepares students for the following careers:

Database Systems:
- Data Analyst
- Databases Developer
- Database Programmer
- Database Administrator
- Database Architect
- Data Miner

Management Information Systems:
- IT Systems Analyst
- IT Systems Administrator
- IT Systems Architect
- IT Systems Engineer
- Data Center Specialist
- IT Project Manager

Networking:
- Network Administrator
- Information Security officer
- Information System Security Officer
- Network Infrastructure Manager
- Network Engineer
- 3G/4G Integration Engineers

Programming:
- Software Developer
- Software Engineer
- Software Systems Developer
- Games Developer
- Mobile Application Developer
- Web Developer

Introduction & Programme Aims

The BICT Programme aims to develop work-ready and skilled graduates who have a broad range of technical competencies. The focus is on practical, hands-on skills, backed by industry relevant partnerships that ensure the programme has the most up-to-date content. Each course has underlying concepts developed through a mixture of activities and assessed using methods that closely model professional practice.

Graduate Profile

Graduates of the BICT Programme will have the following qualities:
- Hold core ICT technical skills.
- Acquire knowledge of the latest information and communication technology.
- Apply the latest ICT knowledge to effectively operate existing systems.
- Analyze business problems.
- Design and evaluate new systems according to requirements.
- Develop ICT solutions according to design.
- Work according to a range of international professional codes of conduct.
- Recognize the professional, moral, and ethical issues involved in utilizing computer technology.
- Apply resourcefulness, innovation and strategic thinking to a range of workplace situations.
- Readiness for professional assessments and certifications.
- Be a communicative, resourceful and a lifelong learner.

Programme Length

Diploma Degree 4 Semesters (Full-Time) – 240 credits
Bachelor Degree 8 Semesters (Full-Time) – 480 credits

Programme Entry Requirements

Applicants need to achieve the minimum requirements in the English and Mathematics entry tests OR Pass English and Mathematics (Information Technology) courses from the Certificate in Academic Preparation (CAP) Program.

Majors

- Database Systems
- Management Information Systems
- Networking
- Programming
The Polytechnic uses a student-centered approach to teaching and learning in which the curriculum is designed and delivered through a broad technical skills base. Since the programme is delivered in English, there is a high level of English support in this period. During the second phase, students choose a major in which they want to specialize in and undertake learning activities related to their area of specialization. The last year of the programme is entirely dedicated to project work, giving students the opportunity to consolidate the knowledge gained in the previous three years. In Semester A of Year 4 students undertake a significant Capstone Project course at Bahrain Polytechnic Innovation Lab. The Capstone Project is either proposed by a faculty member, the student, or an industry partner. The course incorporates Project Management, Technical Writing, and English Communication to prepare the students to work in the field of information and communication technologies.

During the second semester of the final year, students have one of three options. They can undertake: a Cooperative Learning Project and work at an industry partner's premises, a Research Project and work at Bahrain Polytechnic Innovation Lab, or an Entrepreneurial Project and work at an incubator or business accelerator. During the second phase of the final year, students have one of three options. They can undertake: a Cooperative Learning Project and work at an industry partner's premises, a Research Project and work at Bahrain Polytechnic Innovation Lab, or an Entrepreneurial Project and work at an incubator or business accelerator. During the second phase of the final year, students have one of three options. They can undertake: a Cooperative Learning Project and work at an industry partner's premises, a Research Project and work at Bahrain Polytechnic Innovation Lab, or an Entrepreneurial Project and work at an incubator or business accelerator.