

APPROVED

Diploma in Information and Communications Technology
Faculty of EDICT (Engineering,Design and ICT)

Programme Title (Arabic)		تالاصتال او تامول عملأ ؤينؤت يف دولبدلأ											
Acronym / Abbreviation *		DiplCT											
Nature		Exit Qualification											
Programme Code		ICT6010	Programme Duration		2 Year/Cycle	Programme Level		Level 6					
Programme Credits		240	Award Category		Diploma								
Effective From		2022/2023 Sem 2											
Owner		School of ICT											
Professional Body													
Professional Body		Recognition Status		Effective From		Interim Date		Professional Bodies		Contact Person		Evidence	
Employability Skills		Yes		04/01/2021									
Target Groups *													
High School Graduates													
International Students													
Unemployed													
Other													
Qualification Completion Requirements Criteria		Awarded where candidates have met all of the requirements below:											
		<div><div><div></div><div>Successful completion of, or exemption from, all courses listed in Schedule A below</div></div><div><div></div><div>Accumulation of 30 credits from courses in ICT Diploma Optional Group</div></div><div><div></div><div>Accumulation of 5 credits from National Requirements Group- Arabic</div></div><div><div></div><div>15 credits of elective at level 6 and above</div></div><div><div></div><div>Completion of 60 days of work experience</div></div></div> <div>and</div>											

	<ul style="list-style-type: none"> Completion of courses to accumulate a minimum of 240 credits from any Bahrain Polytechnic Qualification;
Programme Overview *	<p>The Diploma in ICT Qualification is designed and delivered in order to provide work-ready graduates. The graduates will acquire advanced technical knowledge in their respective fields, specialized practical skills and valuable employability skills that will allow them to work in roles such as ICT technicians/developers/administrators in Bahrain.</p> <p>The Diploma in ICT is delivered over a 2-year period consisting of 4 semesters and 60 days of industrial placement. Students are expected to take 60 credits on average per semester and thus at the completion of their studies they should have accumulated a total of 240 credits. In those 240 credits, there exist 30 credits of English courses and the remaining 210 credits are taken from Core and Specialized ICT Courses and National Requirement Courses. Additionally, the students are required to complete a total of 60 work placement days.</p>
Entry and Selection *	<p>General entry requirements such as secondary school achievements, English and Mathematics are described in the Student Admission Policy A/AB/010. Specific entry requirements for this qualification, beyond those described in the Student Admission Policy are as follows:</p> <p>Applicants must demonstrate competence in English and in mathematics. These requirements may be met by:</p> <ul style="list-style-type: none"> The successful completion of <ul style="list-style-type: none"> AP4203 English 2 AP4101 Mathematics 2 (General) or similar or passing English and Mathematics Selection Tests at the required level.
Selection and Criteria and Process *	<p>Where there are more applicants who meet the programme entry criteria than can be accepted, the following shall be used:</p> <p>Selection Criteria</p> <p>Preference will be given to students who have successfully completed the Foundation programmes at Bahrain Polytechnic and have clearly demonstrated an aptitude for ICT and a commitment to their study.</p> <p>Results from programme entry tests will be used to select students with the highest likelihood of successfully completing the degree programme.</p> <p>Selection Process</p> <p>Applicants may be required to attend an interview.</p> <p>Consideration of work experience and prior educational achievement may be used.</p>

Major Selection Criteria *	Not applicable
Accreditation / External Approval Requirements *	<p>The BICT degrees received accreditation by BCS, The Chartered Institute of IT in 2022.</p> <p>In the next cycle of accreditation (after 5 years from the review date) the School will bring forward the Diploma of ICT for accreditation subject to eligibility.</p>
Attendance Requirements *	Institutional attendance requirements are described in the policy Student Attendance A/AB/006. There are no programme specific attendance requirements.
Qualification Overview *	The qualification encompasses an initial four semesters full-time study in the broad ICT disciplines at NQF levels 6 and 7, accompanied by experience in industry through a 60 days placement. The intention is to build up core knowledge in a range of areas including networking, operating systems, databases and design techniques in addition to programming.
Qualification Aim *	The programme aims to develop work-ready, skilled ICT technicians/administrators/developers who are aware of the legal, ethical and professional standards required to work both regionally and internationally. ICT technicians will have an awareness of the latest ICT techniques and technologies to be flexible in the work place and adaptable in a rapidly changing field. The qualification also aims to expose graduates to a number of technologies, introducing them to professional certification routes that will further enhance their knowledge and specialisation.
Graduate Pathways and Destination *	<p>Upon graduation from this qualification, graduates may fill one of the following positions:</p> <ul style="list-style-type: none"> • Implementation Technician • Develop and Test specialists (software) • Technical support associate • Cisco Certified Technician • IT Administrator

	<p>Graduates from the Diploma in ICT who wish to continue their studies may apply to any university for admission into their programme according to their admission criteria. The diploma graduates will be accepted in the BICT programs of Bahrain Polytechnic if they complete at least 1 year of professional experience in a relating field. For an ICT diploma holder, it is common practice for a university to accept a student into the 3rd year of a similar domain's Bachelor degree.</p>																
Other Information *	<p>Employability Skills Generic Definition:</p> <table border="1"> <tr> <td data-bbox="450 381 786 432">Communication</td><td data-bbox="786 381 2098 432">Communicate in ways that contribute to productive and harmonious relationships across employees and customers.</td></tr> <tr> <td data-bbox="450 432 786 483">Team work</td><td data-bbox="786 432 2098 483">Work effectively independently and in collaboration with others.</td></tr> <tr> <td data-bbox="450 483 786 534">Problem solving</td><td data-bbox="786 483 2098 534">Think critically and respond appropriately to changing needs within a growing and diversifying economy.</td></tr> <tr> <td data-bbox="450 534 786 585">Initiative and enterprise</td><td data-bbox="786 534 2098 585">Apply resourcefulness, innovation and strategic thinking to a range of workplace situations.</td></tr> <tr> <td data-bbox="450 585 786 636">Planning and organisation</td><td data-bbox="786 585 2098 636">Plan and manage their working lives.</td></tr> <tr> <td data-bbox="450 636 786 687">Self management</td><td data-bbox="786 636 2098 687">Demonstrate self discipline and adaptability, and be able to plan and achieve personal and professional goals.</td></tr> <tr> <td data-bbox="450 687 786 738">Learning</td><td data-bbox="786 687 2098 738">Understand the need for and engage with continuous learning throughout the lifespan.</td></tr> <tr> <td data-bbox="450 738 786 790">Technology</td><td data-bbox="786 738 2098 790">Utilize information technology effectively and ethically in their personal and professional lives.</td></tr> </table>	Communication	Communicate in ways that contribute to productive and harmonious relationships across employees and customers.	Team work	Work effectively independently and in collaboration with others.	Problem solving	Think critically and respond appropriately to changing needs within a growing and diversifying economy.	Initiative and enterprise	Apply resourcefulness, innovation and strategic thinking to a range of workplace situations.	Planning and organisation	Plan and manage their working lives.	Self management	Demonstrate self discipline and adaptability, and be able to plan and achieve personal and professional goals.	Learning	Understand the need for and engage with continuous learning throughout the lifespan.	Technology	Utilize information technology effectively and ethically in their personal and professional lives.
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Programme Learning Outcomes

On successful completion of this programme the learner will be able to :

Description
Demonstrate detailed knowledge and understanding of the latest Information and Communications Technology systems and techniques. (Generic)
Recognize the professional, moral, and ethical issues involved in exploiting computer technology and be guided by appropriate professional, ethical and legal practices in a Bahrain context. (Generic)
Demonstrate knowledge of techniques for software requirements analysis (Specific)
Demonstrate knowledge and understanding of hardware infrastructure (Specific)
Demonstrate knowledge of core Local Area Network (LAN), Wide Area Network (WAN) concepts. (Specific)
Recognize where database systems fit into the structure of a modern information system. (Specific)
Create or implement appropriate Information and Communications Technology systems from design documents. (Generic)
Document system for a range of audiences. (Generic)
Use advanced level skills to effectively manage and maintain existing systems. (Generic)
Follow best practice, industry standards, professional ethics, diagram designing, programming and documentation conventions during the programming process (Specific)
Use database query languages to store, retrieve and manipulate data. (Specific)
Design and build a network using LAN and WAN technologies. (Specific)
Practice as a Professional using 21st Century Skills

Semester Schedules

Year 1 / Semester 1

Core	
Course Code	Title
IT6001	Computer Systems
IT6001	Computer Systems
EL6001	English for EDICT 3
IT6010	Maths for Computing
IT6004	Unix Systems

Year 1 / Semester 2

Core	
Course Code	Title
IT6008	Computer Programming 1
IT6005	Database Systems 1

EL6002	English for EDICT 4
IT6003	Networks and Data Communications

Year 2 / Semester 1

Core	
Course Code	Title
GS5102	Introduction to Human Rights - Labour Rights
IT6011	Introduction to Information Security
GS5103	Modern Economic History of Bahrain
IT7001	Systems Analysis and Design
IT6012	Web Fundamentals
Optional	
Course Code	Title
NR-Arabic	National Requirements- Arabic

Year 2 / Semester 2

Core	
Course Code	Title
ED7000	Applied Project
Optional	
Course Code	Title
ICTDip-Optional	ICT Diploma Optional
Elective	
Course Code	Title
ELE1	Electives 1

Year 2 / Semester 3

Core	
Course Code	Title
IT0001	ICT Industry Placement (Diploma)