

Qualification Completion Requirements Criteria	Awarded where candidates have met all of the requirements below:
	Successful completion of all courses listed in Schedule A;
	Successful completion of designated faculty electives;
	One National Requirements – Arabic course;
	The two National Requirements courses;
	Completion of courses to accumulate a minimum of 480 credits;
	Achieve the Bahrain Polytechnic General Qualification Requirements as found in Policy A/AB/004, Naming and Awarding Qualifications.

<p>Programme Overview *</p>	<p>BSc in Financial Technology is designed to equip students with a comprehensive knowledge in the digital transformation of financial products, services, and operations. In addition, the qualification seeks to provide students opportunities to develop their ability to apply that knowledge to market needs and trends. Financial Technology (FinTech) programme consists of 8 semesters, 480 credits, as per NQF requirements, as a stand-alone degree from the first semester, covering a variety of general Business and ICT courses as well as courses that relate to the specialization such as blockchain and cryptocurrency.</p> <p>The degree programme is delivered in a student-centered learning environment, in which students will be given case studies and an independent industry-based project or practicum /internship, which will include analysis and problem-solving through simulations and similar activities.</p> <p>The degree programme encompasses an initial four semesters of full-time academic study in the broad Business, ICT, banking, and finance disciplines, facilitating the efficient delivery of skills and knowledge, at NQF levels 5, 6 and 7, followed by four full-time academic semesters of specialist study including relevant courses and an industry project, specifically designed for the programme, at NQF levels 7 and 8. In addition to traditional finance coursework, the programme emphasizes the theories and evolution of FinTech, as well as new financial innovations such as AI, Blockchain, Cybersecurity, Cryptocurrencies, Cloud Computing, Machine Learning, IoT, Crowd Funding, and Reg-tech. It broadens the scope of the School of Business and ICT, filling a market void where there is not any existing Bachelor's Degree in Financial Technology available locally.</p>
<p>Entry and Selection *</p>	<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> <p>The successful completion of:</p> <ul style="list-style-type: none"> - AP4203 English 2 - AP4101 Mathematics 2 (General) or similar <p>or passing English and Mathematics Selection Tests at the required level.</p> <p>Applicants who do not meet all of the entry criteria above may be considered for special or provisional entry.</p>
<p>Selection and Criteria and Process *</p>	<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> <ul style="list-style-type: none"> - Preference will be given to students who have successfully completed the Foundation programme at Bahrain Polytechnic and have clearly demonstrated an aptitude for Business and a commitment to their study. - Results from programme entry tests will be used to select students with the highest likelihood of successfully completing the degree programme. <p>Selection Process:</p> <ul style="list-style-type: none"> - Applicants may be required to attend an interview. - Consideration of work experience and prior educational achievement may also be used.

Major Selection Criteria *	BSc in Financial Technology is a unified interdisciplinary stand-alone degree. Major selection criteria are therefore not applicable.
Accreditation / External Approval Requirements *	None at this stage.
Attendance Requirements *	Attendance requirements are described in Student Attendance Policy A/AB/006.
Qualification Overview *	<p>The BSc in Financial Technology (FinTech) degree programme consists of 8 semesters, 480 credits, as per NQF requirements, as a stand-alone degree from the first semester, covering a variety of general Business courses as well as courses that relate to the specialization.</p> <p>The degree programme encompasses an initial four semesters of full-time academic study in the broad Business, ICT, banking, and finance disciplines, facilitating the efficient delivery of skills and knowledge, at NQF levels 5, 6 and 7, followed by four full-time academic semesters of specialist study including relevant courses and an industry project, specifically designed for the programme, at NQF levels 7 and 8. In addition to traditional finance coursework, the programme emphasizes the theories and evolution of FinTech, as well as new financial innovations such as AI, Blockchain, Cybersecurity, Cryptocurrencies, Cloud Computing, Machine Learning, IoT, Crowd Funding, and Reg-tech. It broadens the scope of the School of Business and ICT, filling a market void where there is not any existing Bachelor's Degree in Financial Technology available locally.</p>
Qualification Aim *	<p>The BSc in Financial Technology (FinTech) degree program is designed to prepare students to work as competent and professional FinTech practitioners.</p> <p>The programme's aim is to provide students with a thorough understanding of the digital transformation of financial products, services, and operations, as well as the ability to apply that understanding to market demands and trends. The programme provides students with the practical knowledge and abilities in financial technology, making them attractive to potential employers in the Bahraini workplace.</p> <p>The programme is suitable for students who are inspired to study and work in the field of Financial Technology. Graduates can work for traditional financial services companies that require staff with technical skill sets to improve existing business practices or develop new processes related to technological innovations. This programme aims at fulfilling part of the EDB's vision to push forth Bahrain as a FinTech Hub by preparing students to become Financial Technology professionals, equipped with practical knowledge and skills in this growing field.</p>
	<p>In Bahrain, most employment opportunities for FinTech graduates will come from the private sector, public sector, as well as parts of the semi-government sector undergoing transformation, and SME's and family businesses that are transitioning to more corporate business models. The below diagram provides essentially for two progression opportunities for graduates: employment or into post-graduate study.</p> <div> <div></div> <div></div> </div>

Graduate Pathways and Destination *	Postgraduate Study <ul style="list-style-type: none">• Master in FinTech• Completing Professional Qualifications (e.g.CFA.)	Employment <ul style="list-style-type: none">• FinTech Analyst (Data /risk / investment Analyst)• FinTech Product Manager• FinTech Software Developer (UX/UI Designer)• FinTech Compliance Officer• FinTech Entrepreneur• FinTech Consultant• Blockchain Developer• Apps Developer• Cybersecurity Analyst• Compliance Expert• Data Specialist• Business Development Manager• Traditional finance roles such as banker, trader, broker, or treasurer.
	(Bachelor of Financial Technology) Major, Years 1- 4	

	Secondary school graduates	Foundation	Workforce	
Other Information *	BSc in Financial Technology (FinTech) is a standalone degree program from the first semester. This means that no exit qualification will be offered at this stage, and a students will be eligible for a degree qualification only after successfully completing all the requirements of the four-year program.			
	Employability Skill	Generic Definition		
	Communication	Communicate in ways that contribute to productive and harmonious relationships across employees and customers.		
	Teamwork	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 organization	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.		

--	--	--	--

Programme Learning Outcomes

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

Description
Demonstrate in-depth knowledge and understanding of the theories and evolutions of FinTech, programming principles, data-driven financial modeling, and financial data analytics.
Evaluate contemporary business, financial and technological issues and adopt strategies to deal with a wide range of organizational contexts.
Apply financial technology knowledge to develop new technological innovations and solutions.
Apply specialized knowledge of circulation of money, credit and investment, by using the related financial technological tools and platforms.
Apply the governmental and business plans and policies, in a manner that complies with the financial and technological parameters set by the regulators.
Measure and analyze monetary and fiscal policy as well as financial activities, in accordance with applicable local, regional and international frameworks.
Exhibit the skills demanded in the 21st century workplace, supported by specific skills in key areas of financial technology and business.

Semester Schedules

Year 1 / Semester 1

Core	
Course Code	Title
EL6006	English Communication Skills A
BU6009	Introduction to Finance
BU6004	Introduction to Management
IT6010	Maths for Computing

Year 1 / Semester 2

Core	
Course Code	Title
IT6001	Computer Systems
IT6001	Computer Systems
EL6007	English Communication Skills B
BU6007	Introduction to Economics
NR	National Requirements
Optional	
Course Code	Title
NR-Arabic	National Requirements- Arabic

Year 2 / Semester 1

Core	
Course Code	Title
IT6005	Database Systems 1
BU6005	Introduction to Accounting
IT6011	Introduction to Information Security
BU6006	Quantitative Business Methods

Year 2 / Semester 2

Core	
Course Code	Title
BU6015	Business Analytics
BU6011	Business Research Methods
IT6008	Computer Programming 1
BU7306	Financial Technology

Year 3 / Semester 1

Core	
Course Code	Title
BU7300	Corporate Finance
IT7005	Database Systems 2
IT7004	Operating Systems and Platforms
Elective	
Course Code	Title
BU7400	Financial Accounting

Year 3 / Semester 2

Core	
Course Code	Title
IT8212	Cloud Computing
IT8416	Data Mining

BU7302	Investment & Portfolio Management
Elective	
Course Code	Title
BU7305	Financial Markets and Institutions

Year 4 / Semester 1

Core	
Course Code	Title
IT8204	Blockchain and Cryptocurrency
BU8301	Derivatives & Alternative Investments
BU8300	Financial Risk Management
Elective	
Course Code	Title
BU8305	Behavioral Finance

Year 4 / Semester 2

Core	
Course Code	Title
BU8099	Cooperative Industry Project Business