

CERTIFICATE OF VALIDATION

Provider Name	National College of Ireland
Date of Validation	20-Dec-18

	First intake	Last intake
Enrolment Interval	Sep-15	Sep-19

	Code	Title	Award	Duration (Months)	Annual Intakes
Principal Programme	PG21753	Bachelor of Science (Honours) in Technology Management	Bachelor of Science (Honours) (Major Award at NFQ Level 8) 8M18671 240 credits	4 years	2
Embedded Programmes	na	N/A			

Principal Programme

5 Year Plan: Planned total enrolment i.e. aggregated across all intakes and all approved centres

	Year 1	Year 2	Year 3	Year 4	Year 5
Minimum Intake into first year	15	15	15	15	15
Maximum Intake into first year	80	80	80	80	80

Target Learner groups

The programme is aimed at school leavers, mature students and part-time learners who wish to work in Business Analysis, Business Information Systems and Data Analytics.

Brief Synopsis of the programmes

The overall goal of this BSc (Hons) in Technology Management degree is to provide graduates with essential understanding of a combination of management and software development skills that are applied to specialist areas such as Data Analytics, Business Analysis, Social Media and Business Information Systems.

The programme emphasises the development of transferable skills through team work, problem solving, planning, communication, decision making and research skills. The learners will gain industry experience through the work placement that will augment both their transferable skills and the knowledge gained from the programme.

The learners will consolidate the knowledge and skills acquired in the listed modules by carrying out a final year project. In particular, graduates will have specialised practical and technical skills in designing, architecting and developing software applications for business problems. Graduates will also have in-depth knowledge of business and management concepts, knowledge of the requirements of doing business in the area of their elective.

Learners, who successfully complete the BSc (Hons) in Technology Management will be able to progress to a level 9 programme such as MSc in Data Analytics at the National College of Ireland, or a suitable level 9/10 National Framework of Qualifications course at a different institution.

Delivery mode: full-time / part-time

Full-time and Part-time

Teaching and Learning Modes

A variety of teaching strategies, which include—but is not limited to—lectures, tutorials, problem-based learning (PBL), enquiry based learning, practical work, flip classroom, seminars, case-based learning, project-based work and team work are included throughout the programme.

Approved countries	Ireland			
Physical resource requirements	The programme requires appropriate learning spaces to facilitate the teaching, learning & assessment strategy of the programme. Learning spaces should accommodate traditional classrooms, spaces for collaborative learning and access to appropriate technologies as required by individual module curriculum (e.g., Word, Excel, PowerPoint, R/RStudio, SPSS, or similar products).			
Staff Profiles	Qualifications and Experience		WTE	
	Lecturers with a Masters or PhD level qualification in computing or a related discipline with academic experience delivering modules in ICT, Programming, Business Analysis and Data Analytics at level 8.		4	
	Programme Director who is responsible for the academic management of the programme and may also be a lecturer on the programme. The programme director will have at least a Masters or PhD qualification in computing or a related discipline.		1	
	Programme Co-ordinators with experience in relationship management and programme co-ordination.		1	
Approved Centres	Centre	Minimum Number of learners per intake per Centre	Maximum Number of learners per intake per Centre	
	NCI, Mayor Square, IFSC, Dublin	15	80	
Learner Teacher Ratios	Learning Activity		Ratio	
	Tutorials/Labs		1:25	
	Lecture		1:100	
Programme being replaced by this programme	Prog Code	Programme Title	Validated	To Close
	na	N/A		

Conditions of Validation of the Programmes Covered by this Certificate of Validation

Part 1: Statutory Conditions of Validation

The statutory (section 45(3) of the 2012 Act) conditions of validation are that the provider of the programme shall:

- 1.co-operate with and assist QQI in the performance of QQI's functions in so far as those functions relate to the functions of the provider,
- 2.establish procedures which are fair and consistent for the assessment of enrolled learners to ensure the standards of knowledge, skill or competence determined by QQI under section 49 (1) are acquired, and where appropriate, demonstrated, by enrolled learners,
- 3.continue to comply with section 65 of the 2012 Act in respect of arrangements for the protection of enrolled learners, if applicable, and
- 4.provide to QQI such information as QQI may from time to time require for the purposes of the performance of its functions, including information in respect of completion rates.

Part 2 Conditions of Validation Established by QQI Under section 45(4)(b) of the 2012 Act

Part 2.1 Condition of Validation Concerning a Change in the QQI Award or Award Standard

- 1.Where QQI changes an award title, an award specification or an award standard that a programme depends upon, the provider shall not enrol any further learners on the affected programmes unless informed otherwise in writing by QQI (e.g. by the issue of a revised certificate of validation). The programme is considered validated for learners already enrolled on the affected programme.

Part 2.2 Condition of Validation Concerning the Duration of Enrolment

- 1.The duration of enrolment is the interval during which learners may be enrolled on the validated programme.

Validation is determined by QQI for a specified number of years of enrolment appropriate to the particular programme as indicated on the certificate on validation subject to unit 9.2.1. It is a condition of validation that the programme does not enrol any new learners outside this interval. A typical duration would be five years.

If a provider wishes to continue to enrol learners to the programme beyond this interval the provider must arrange in good time for it to be validated again by QQI, or exceptionally the provider may apply for extension of the duration of enrolment (unit (14)). In this context the provider may apply for validation of the programme from first principles or, alternatively, the provider may avail of the process for revalidation (unit (13)) by QQI.

Part 2.3 General Condition of Validation

The provider of the programme shall:

- 1.Ensure that the programme as implemented does not differ in a material way from the programme as validated; differing in a material way is defined as differing in any aspect of the programme or its implementation that was material to QQI's validation criteria.
- 2.Ensure that the programme is provided with the appropriate staff and physical resources as validated.
- 3.Implement in respect of the programme its written quality assurance procedures (as approved by QQI).
- 4.Make no significant change to the programme without the prior approval of QQI. (See unit (8)).
- 5.Unless otherwise agreed by QQI in writing, start implementing the programme as validated and enrol learners within 18 months of validation.

6.Continue in respect of the validated programme to comply with section 56 of the 2012 Act in respect of procedures for access, transfer and progression.

7.Implement the programme and procedures for assessment of learners in accordance with the Approved Programme Schedule and notify QQI in writing of any amendments to this arising from changes to the programme; see unit (9).

8.When advertising and promoting the programme and awards, use the programme title as validated, and the correct QQI award title(s), award type(s) and award class(es) indicating the level of the award(s) on the National Framework of Qualifications.

9.Adhere to QQI regulations and procedures for certification.

10.Notify QQI in writing without delay of:

a. any material change to the programme;

a. anything that impacts on the integrity or reputation of the programme or the corresponding QQI awards;

b. anything that infringes the conditions of validation; or

c. anything that would be likely to cause QQI to consider reviewing the validation.

11.Notify QQI in writing to determine the implications for the provider's validated programmes, where the provider is likely to, or planning to, merge (amalgamate) with another entity or to acquire, or be acquired by, another entity (see unit (12.5)).

12.Report to QQI, when required or requested, on its implementation of the programme and compliance with the conditions of validation.

Part 2.4 General Condition of Validation Arising from Specialised Validation Policy and Criteria

n/a.

Part 2.5 Special Conditions of Validation

n/a

Approved Programme Schedule(s)

Name of Provider			National College of Ireland		Programme Codes			BSHTM			
Programme Title (i.e. named award)			BSc (Hons) Technology Management								
Award Title (QQI named award)			Bachelor of Science (Honours)								
Stage Exit Award Title											
Modes of Delivery (FT/PT/ACCS/BLENDED/OC etc)			FT, PT Blended, Block, ACCS								
Stage			1		Number of Stages			4			
Award Class			Major			Award NQF Level			8		
Award EQF Level			5			Stage Credits (ECTS)			60		
Stage NQF Level			6			Stage EQF Level			5		
Date Effective			14/09/18			ISCED Subject Code			0610		
Ref	Module Title	Semester	Module		ECTS Credit Number	Total Student Effort			Allocation of Marks		
			Status (M/E)	NQF Level		Total Hours	Contact Hours	Independent Learning	Course Work %	End of Module Formal Examination %	Total %
1.1	Problem Solving and Programming Concepts	1	M	6	5	125	48	77	100	0	100
1.2	Introduction to Mathematics for Business & Computing	1	M	6	5	125	36	89	50	50	100
1.3	Web Design	1	M	6	10	250	72	178	50	50	100
1.4	The Computing Industry	1	M	6	5	125	36	89	100	0	100
1.5	Managing Your Learning	1	M	6	5	125	36	89	100	0	100
1.6	Software Applications for Business	2	M	6	5	125	36	89	100	0	100
1.7	Introduction to Management	2	M	6	5	125	36	89	40.00	60.00	100
1.8	Introduction to Marketing	2	M	6	5	125	36	89	50	50	100
1.9	Introduction to Programming	2	M	6	5	125	48	89	50	50	100
1.10	Digital Multimedia	2	M	6	10	250	72	178	100	0	100
Special Regulations: None											

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Stage Exit Award Title											
Modes of Delivery (FT/PT/ACCS/BLENDED/OC etc)			FT, PT Blended, Block, ACCS								
Stage			2		Number of Stages			4			
Award Class			Major			Award NQF Level			8		
Award EQF Level			5			Stage Credits (ECTS)			60		
Stage NQF Level			6			Stage EQF Level			5		
Date Effective			14/09/18			ISCED Subject Code			0610		
Ref	Module Title	Semester	Module		ECTS Credit Number	Total Student Effort			Allocation of Marks		
			Status (M/E)	NQF Level		Total Hours	Contact Hours	Independent Learning	Course Work %	End of Module Formal Examination %	Total %
2.1	Introduction to Databases	1	M	6	5	125	36	89	50	50	100
2.2	Fundamentals of Business Analysis	1	M	6	5	125	36	89	50	50	100
2.3	IT Project Management	1	M	6	5	125	3	89	40	60	100
2.4	Web Application Development	1	M	6	10	250	72	178	100	0	100
2.5	Organisational Behaviour	1	M	6	5	125	36	89	30	70	100
2.6	Introduction to Human Resource Management	2	M	6	5	125	36	89	30	70	100
2.7	Data Communications and Networking	2	M	6	5	125	36	89	40	60	100
2.8	Interdisciplinary Team Project	2	M	6	10	250	96	154	100	0	100
2.9	Business Entrepreneurship	2	M	6	5	125	36	89	100	0	100
2.10	Principles of Accounting	2	M	6	5	125	36	89	40	60	100
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None											

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Stage			3		Number of Stages			4			
Award Class			Major			Award NQF Level			8		
Award EQF Level			6			Stage Credits (ECTS)			60		
Stage NQF Level			7			Stage EQF Level			6		
Date Effective			14/09/18			ISCED Subject Code			0610		
Ref	Module Title	Semester	Module		ECTS Credit Number	Total Student Effort			Allocation of Marks		
			Status (M/E)	NQF Level		Total Hours	Contact Hours	Independent Learning	Course Work %	End of Module Formal Examination %	Total %
3.1	Advanced Databases	1	M	7	5	125	36	89	50	50	100
3.2	Team Project	1	M	7	10	250	96	154	100	0	100
3.3	Accounting for Business	1	M	7	10	250	96	154	30	70	100
3.4	Business Intelligence and Data Warehousing I	1	E	7	5	125	36	89	40	60	100
3.5	Introduction to ERP	1	E	7	5	125	36	89	50	50	100
3.6	Work Placement	2	M	7	30	750		750	100		100
3.7	Business Application Development	2	GE1	7	10	250	72	178	100		100
3.8	Application Life Cycle	2	GE1	7	10	250	48	202	100		100
3.9	Business Communication Skills	2	GE1	7	10	250	72	178	100		100
<p>Special Regulations:</p> <p>Note 1: GE1 represent modules of the academic internship. These modules are intrinsically interlinked and together their learning outcomes correlate to those of the work placement.</p> <p>Note 2: Students must pass all three modules of the academic internship. If one or more modules are not passed then all modules of the academic internship must be repeated in the next academic year in line with the repeat assessment strategy for the work placement.</p> <p>Note 3: Business Intelligence & Data Warehousing I is mandatory for Business Information Systems and Social Media streams.</p>											

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Award EQF Level			6			Stage Credits (ECTS)			60		
Stage NQF Level			8			Stage EQF Level			6		
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4.1	Project	1 & 2	M	8	20	500	132	368	100	0	100
4.2	Global Supply Chain Management	1	M	8	5	125	36	89	50	50	100
4.3	Requirements Management	1	GE4	8	5	125	36	89	50	50	100
4.4	Business Data Analysis	1	M	8	5	125	36	89	50	50	100
4.5	Programming for Big Data	1	GE1	8	5	125	36	89	100	0	100
4.6	Strategic Management	1	M	8	5	125	36	89	30	70	100
4.7	Technology Management	1	M	8	5	125	36	89	30	70	100.00
4.8	Business Intelligence and Data Warehousing II	1	GE2	8	5	125	36	89	60	40	100
4.9	Advanced Web Authoring	1	GE3	8	5	125	36	89	100	0	100
4.10	Agile Project Management	2	GE4	8	5	125	36	89	30	70	100
4.11	Data and Web Mining	2	GE1	8	10	250	48	202	50	50	100.00
4.12	Advanced Business Data Analysis	2	GE1	8	5	125	36	89	40	60	100.00
4.13	Business Intelligence and Analytics with Social Media	2	GE3	8	10	250	48	202	40	60	100.00

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			Status (M/E)	NQF Level		Total Hours	Contact Hours	Independent Learning	Course Work %	End of Module Formal Examination %	Total %
4.14	Business Process Management	2	GE2, GE4	8	10	250	48	202	30	70	100.00
4.15	Business and Network Security	2	GE2	8	5	125	36	89	30	70	100
4.16	Public Relations and Social Media	2	GE3	8	5	125	36	89	100	0	100.00
Special Regulations: Note 1: GE1 represents the Data Analytics Stream Note 2: GE2 represents Business Information Systems Stream Note 3: GE3 represents the Social Media Stream. Note 4: GE4 represents the Business Analysis Stream											