

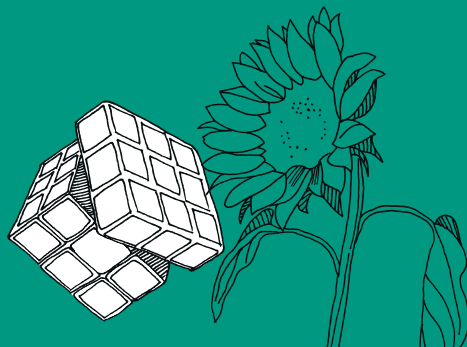


**LIVE +  
LEARN**

**FULL-TIME  
PROSPECTUS  
2018/2019**



*Institute of Technology  
Blanchardstown  
Institiúid Teicneolaíochta  
Baile Bhlainséir*



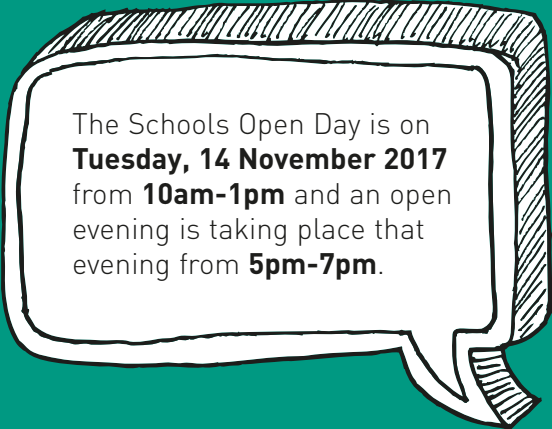
## WORKING TO CREATE A TECHNOLOGICAL UNIVERSITY FOR DUBLIN

ITB is working in an alliance with our partner institutions in DIT and IT Tallaght to create Ireland's first Technological University. The new institution will be developed on our three campuses in Dublin – at Blanchardstown, Grangegorman and Tallaght – and will be supported by a digital campus that will connect all of our students to shared services and learning resources, enabling them to learn at the pace and place of their choice.

Students choosing a course commencing in September 2018 should make their choices based on the programmes offered by DIT, ITB, or ITT, as shown in each prospectus. During your studies with us you will be kept informed about a new Technological University. All programmes offered in each of the three institutions will continue to lead to awards that are validated within the Quality and Qualifications Ireland (QQI) framework, from Level 6 to PhD.

The alliance has progressed to the final stage of the four-stage application process for a Technological University. We have already brought together our PhD programmes in a joint Graduate Research School and we are now collaborating on commercialisation of research and on technology transfer.

We are now focused on meeting the criteria outlined for a successful application and as a future student we hope you will join us on the journey.



The Schools Open Day is on  
**Tuesday, 14 November 2017**  
from **10am-1pm** and an open  
evening is taking place that  
evening from **5pm-7pm**.



**WELCOME**



# LIVE + LEARN

**FULL-TIME**  
PROSPECTUS  
**2018/2019**





# HELLO + WELCOME

You can't beat a good all-round education, and at ITB we believe that can only come from living life to the full at college. That's why as a student, you'll not only find yourself with a full academic calendar but you'll find plenty to occupy your leisure time as well. So whatever course you choose to follow you'll find that at ITB, it's more than a qualification – it's an education.



Join us on Facebook  
[www.facebook.com/itbdublin](http://www.facebook.com/itbdublin)



Follow us on Twitter  
[www.twitter.com/itbdublin](http://www.twitter.com/itbdublin)



Follow us on Instagram  
[@itbdublin](https://www.instagram.com/itbdublin)



# DIA DUIT + FÁILTE ROIMH

Ní féidir oideachas maith, uileghabálach a shárú agus anseo ag an ITB creidimid go ngabhann sé sin in éineacht leis sin an bheatha a chaitheamh go hiomlán. Sin an fáth mar mhac léinn, beidh féilire acadúil iomlán agat agus gheobhaidh tú neart a áitiú do chuid ama fóillíochta chomh maith. Mar sin, is cuma cén cúrsa a roghnaíonn tú a leanúint, ag ITB feicfidh tú gur níos mó ná cáilíocht é – is oideachas é.



## CONTENTS

<b>NEWS + REVIEWS</b>	p. 6	<b>HUMANITIES COURSES</b>	p. 118	<b>INS + OUTS</b>	p. 149
<b>LOOK + SEE</b>	p. 9	Community and Youth Development	p. 119	National Framework of Qualifications	p.150
<b>CREATIVE DIGITAL MEDIA COURSES</b>	p. 11	Early Childhood Care and Education	p. 129	The set-up: How ITB Courses are Structured	p. 152
<b>COMPUTING COURSES</b>	p. 21	Applied Social Studies in Social Care	p. 134	Applying to ITB: Application Through the Central Applications Office (CAO)	p. 153
Computing	p. 24	<b>OPEN + FRIENDLY</b>	p. 142	Special Category Applicants	p. 162
Digital Forensics and Cyber Security	p. 30	Where We Are	p. 143	Add-on Courses/Advanced Entry	p. 166
<b>HORTICULTURE COURSES</b>	p. 37	Map	p. 143	<b>FINANCE + GRANTS</b>	p. 167
<b>ENGINEERING COURSES</b>	p. 45	How To Get Here	p. 143	Financial Matters	p. 168
Engineering	p. 48	<b>SUPPORT SERVICES</b>	p. 145	Student Fees	p. 168
Computer Engineering in Mobile Systems	p. 54	Access Office	p. 145	Third Level Grants	p. 169
Mechatronic Engineering	p. 58	Student Services Office	p. 145	Back to Education Allowance	p. 169
<b>BUSINESS COURSES</b>	p. 69	Health Centre	p. 146		
Business	p. 72	Counselling Service	p. 146		
Business and IT	p. 79	Profiling	p. 146		
International Business	p. 85	Peer Mentoring	p. 146		
Accounting and Finance	p. 92	Careers Service	p. 146		
Digital Marketing	p. 103	Student Information Desk (SID)	p. 146		
Sports Management and Coaching	p. 111	<b>LIVE + LEARN</b>	p. 147		
		Students' Union	p. 148		
		Sporting Facilities	p. 148		
		Sports Scholarships	p. 148		
		Clubs and Societies	p. 148		
		Facts and Fundraising	p. 148		

# NEWS + REVIEWS

## NEW CAO COURSES FOR 2018/2019

The following new course will commence in 2018/2019:

BN034 Bachelor of Science in Computing in Digital Forensics and Cyber Security

## OPEN DAY / OPEN EVENINGS

During the academic year we have an open day and open evenings designed for prospective students, parents, relatives and friends to attend to discuss courses in more detail, meet lecturing staff and view the campus.



**It is possible to progress to NFQ Level 8 on all our courses.**

Find full course details in "LOOK + SEE" section. For more detailed information on indicative programme content visit <http://courses.itb.ie>

# IN OTHER NEWS...

## NEW QQI-FET MINIMUM ENTRY REQUIREMENTS FOR ENTRY TO LEVEL 8 COURSES

Applicants can have any full level 5 or level 6 QQI/FET award and including a distinction grade in at least 3 modules.

There is no longer a quota on the number of QQI-FET places on BN011 – Bachelor of Arts in Applied Social Studies in Social Care (Level 7) and BN107 Bachelor of Arts (Honours) in Applied Social Studies in Social Care (Level 8) for applicants presenting with a QQI-FET award.

## SHUTTLE BUS

During the academic year there's a shuttle bus service linking ITB with Coolmine Train Station, the National Aquatic Centre and the bus hub at the Blanchardstown Shopping Centre – see [www.itb.ie/shuttlebus](http://www.itb.ie/shuttlebus) for further updates including the timetable and route.

## TU4 DUBLIN

See inside front page of this publication for further details.

## SCHOOL LIAISON OFFICE

The services we offer to Career Guidance Teachers and schools include School and FET College visits, Career Exhibitions and Seminars, Group Visits to ITB and attendance at Parents Information Evenings. ITB also runs a variety of programmes and competitions for second level schools including Scifest, Formula 1, TASTER and Young Women in Technology. For further details please contact the Marketing and Development Unit on 01 885 1530 or email [info@itb.ie](mailto:info@itb.ie).







# LOOK + SEE

From Business, Digital Marketing, Computing and Engineering to Horticulture, Sports Management and Creative Digital Media plus a range of Humanities programmes, the breadth of courses available at ITB is remarkable. What's even more amazing is the quality of the facilities and the dedication of the lecturers who bring each subject to life.

This next section gives an overview of each academic programme. For more details on indicative programme content visit **<http://courses.itb.ie>**





# CREATIVE DIGITAL MEDIA COURSES

## WHAT

This dynamic and exciting course will supply all the practical, creative and technical skills you need to succeed in the digital society and the creative industries. With an academic team rich in industry and creative experience, it is fast becoming the course of choice for prospective digital creatives.

## WHY

The digital media industry has been accorded a 'high priority' status by the Irish government with excellent employment prospects for graduates. If you fancy a career in web design, app and game development, digital marketing, visual and interactive design, video and audio production, photography or filmmaking then this is the course for you. This new and dynamic sector is one of the success stories of the Irish economy.

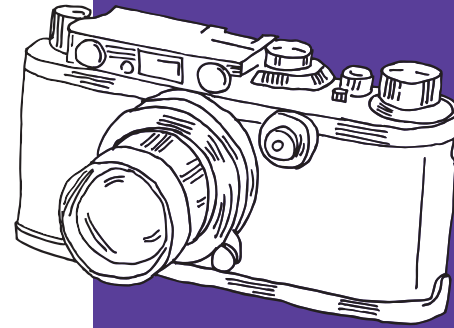
At ITB we have one of the best new digital media offerings in the country. State of the art Mac labs and digital media hardware allow our students to gain first hand experience of cutting edge industry tools and techniques. But a course is only as good as the



lecturers who teach on it and we have some of the best in the sector. Our academic team consists of practicing artists, designers, industry consultants, filmmakers, photographers, web designers and technology experts. View their profiles and work on [www.creativedigitalmedia.ie](http://www.creativedigitalmedia.ie).

### WHO

Creative thinkers, those with a passion for their work, the course offers a range of choice for students with different skill sets and talents. We'll help you find and develop your creativity and we'll give you the tools and techniques to express it. Our student groups blend film makers and web designers, app developers and illustrators, into a creative and exciting mix. We look for students who have passion and flair with good visual awareness, an interest in the internet and technology, and an understanding of how technology can be applied in creative and interesting ways.



### HOW

Our state of the art digital media labs are equipped with cutting edge hardware and industry standard software. Take a walk through them on any given day and you'll find them occupied by aspiring film makers, app developers, designers and more. It's an amazing mix of creative talent. We have a wide range of digital photography, video and film equipment which is available for student work and projects. Work placement is an integral part of this course in year three, with students availing of placements in many of Dublin's leading digital agencies.

By concentrating on digital creativity, and mixing theory with practical work, the course prepares you for success in the evolving creative digital industry and beyond. Working together with like-minded people you will discover how to unlock your own creativity and learn how to tap into your own store of ideas for developing projects.

Over time you will have the opportunity to specialise in a particular area of interest to expert level. We encourage students to exhibit their work on a local and national stage and many have won awards and recognition for their efforts. Close academic supervision and peer inputs allow our students to develop work to professional standards and beyond.

But don't just take our word for it. Why not pay a visit to the course website where you can view samples of the students work and learn more about what's on offer. Visit [www.creativedigitalmedia.ie](http://www.creativedigitalmedia.ie).

BACHELOR OF ARTS  
IN CREATIVE DIGITAL MEDIA

CAO Code BN021

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Arts

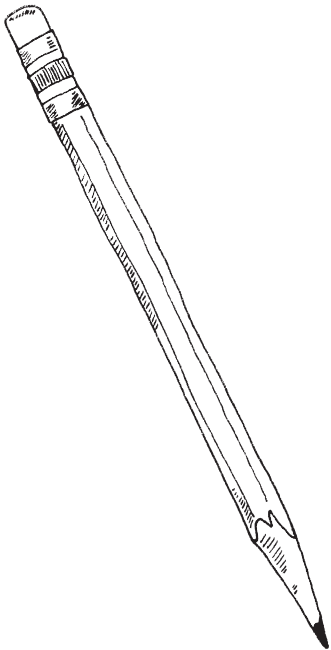
Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

NFQ Level: 7

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.



BN021 Bachelor of Arts in Creative Digital Media – Year 1, Year 2 and Year 3

BN413 Bachelor of Arts (Honours) in Creative Digital Media – Year 4

Louise Kavanagh  
Creative Digital Media

“I chose Creative Digital Media because I always wanted to work in media but was unsure what area I wanted to go into. I started an on-line blog and enjoyed designing and building my own content.

I wanted to learn more and found that this course was everything I was looking for.

There’s a state of the art recording and photography studio on campus with three dedicated rooms with Macs so we are always working to industry standard and using the best equipment.

The course has something for everyone and has a wide variety within modules so you will never be bored. The course is mostly continuous assessment so it is great for hands on learners. If you have any interest in media drop in to one of ITB’s open days and experience the course first hand.”







**Ciara Gaughan, Social Media Co-ordinator, VIP Publishing**  
Graduate of Bachelor of Arts (Honours) in Creative Digital Media

“I would recommend CDM because it sets you up with a wide variety of skills so that you may work in many different types of jobs. You could be anything from a director to a web developer when you leave which I think is pretty cool.

When I was in 3rd year I completed a work experience module. In this I learned how to prepare a standout CV and how to excel in interviews. I also completed a work placement. Having this module definitely helped me to understand what was expected of me in the real world of working.

The best thing about my time at ITB was the wonderful people I met during my four years, from the lecturers to my classmates, the people at ITB is what I will always remember.”

## BACHELOR OF ARTS (HONOURS) IN CREATIVE DIGITAL MEDIA

CAO Code BN112

**Duration:** 4 years

**Entry Route into Programme:**

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

**Award Title:** Bachelor of Arts (Honours)

**NFQ Level:** 8

**Leaving Certificate Entry Requirements:**

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

**QQI-FET (FETAC) Entry Requirements:**

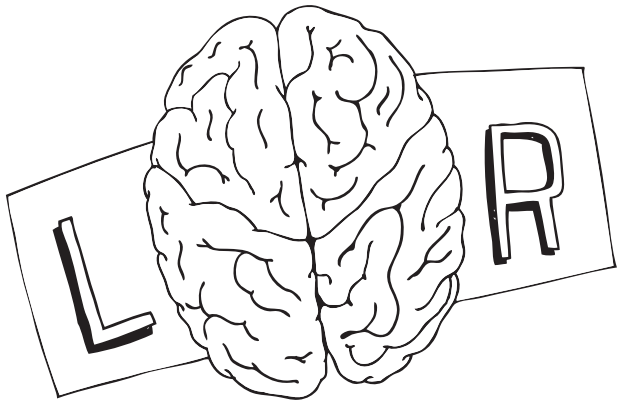
Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.



COURSE CONTENT

The Creative Digital Media courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3
Introduction to Digital Media	Group Project (Phase 1 and Phase 2)	Brand Identity Design
Digital Photography	Visual Design Fundamentals	Drama Filmmaking
Web Development 1 and 2	Website Design 1 and 2	Content Management Systems
Personal Development	Digital Video Techniques	Professional Practice
Visual Creativity	Multimedia Development 1 and 2	Sound Design
Storytelling and Narrative	Digital Audio	Digital Media within Society
Studio Photography and Image Production	Documentary Filmmaking	<b>Electives - Semester 2:</b> Work Experience or Professional Project or Digital Marketing or 3D Environments. <i>Note: students who opt for the work experience module only need to select <b>one</b> other elective listed above. Students who decide not to do the work experience module must undertake the other <b>three</b> electives listed above.</i>
Design Process and Practice		
Universal Design		



*Note: The choice of electives are indicative and are dependent upon learner demand and resource availability and may vary from year to year.*



YEAR 4
Creative Practice Thinking
Final Year Project (Phase 1 and Phase 2)
Critical Theory
Professional Digital Video
Application Design and Development
User Experience Design
Culture, Media and Technology
Advanced Post Production







# COMPUTING COURSES

## WHAT

Computing is everywhere and everyone uses computers whether directly or indirectly every day. Computers come in different shapes and forms, from the traditional desktop computer to the computer in your pocket, ie your smart phone.

Modern computing covers a wide area of related and interconnecting technologies, skills and disciplines. From understanding the architecture of modern computer systems and building them, to designing applications that run on the computers, understanding the communications systems and networking, building websites and the services offered on websites, developing mobile apps and specialist areas like cyber security, computational intelligence, machine learning and artificial intelligence.

## WHY

Computing is an exciting and interesting area in which to study as it is core to the operations of all organisation and businesses worldwide.



A computing degree is a skillset that is internationally recognised and better paid than most types of qualifications. The modern world is driven by computing and the growth in demand for graduates with computing is continually increasing so it is an area with potential to have a long and interesting career.

### WHO

If you are interested in computers and technology, then this is the course for you. You don't need to be good at maths but you should like problem solving and enjoy learning new things.

### HOW

Because we're located in the heart of "Ireland's Silicon Valley", there's no better place to prepare yourself for a future in computing. We have state of the art computer, network and digital forensic and cyber security labs. The courses mix both theory based and practical hands-on subjects which are designed to equip you with practical computer build and maintenance skills; advanced technical, design and programming skills, and the communication and entrepreneurial skills you'll need to build a rewarding career in this dynamic, exciting and crucial industry.

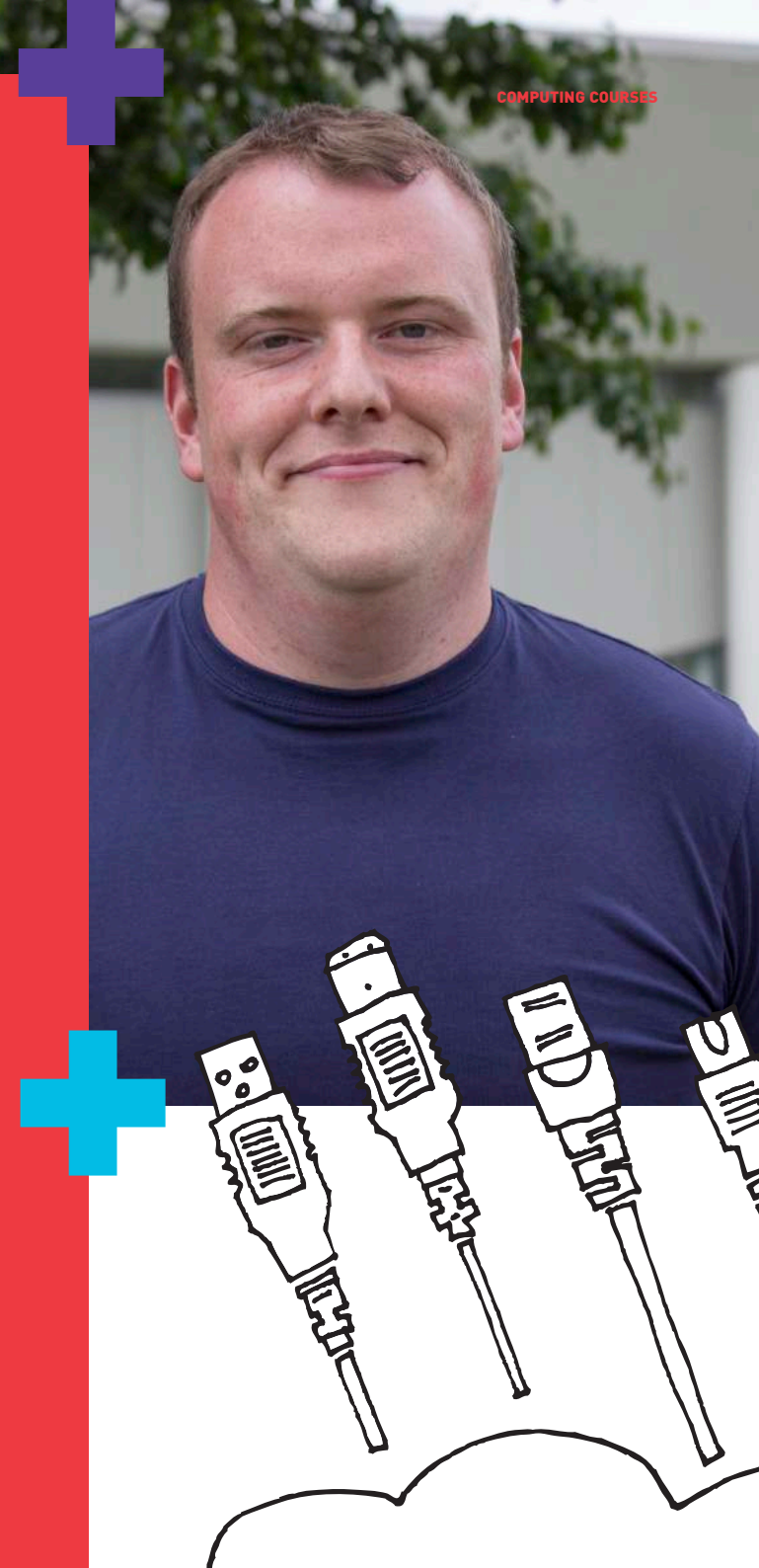
Computing students can receive dual accreditation for industry certified programmes such as CompTIA, Cisco CCNA, Linux, and Microsoft as part of their computing programmes.

### Brian Kelly Computing

"I chose this course because it's dynamic and exciting with great career opportunities. I always had a keen interest in computers, apps, the web and how they all worked. This course covers all of these areas and much more from software development to networking. It's challenging but in a fun way and pushes you to succeed and get better.

The best thing about the course is developing software and solving problems with lots of like-minded people. The facilities provided are good and all the lecturers are very helpful and easy to approach.

If you have a curiosity about computers, the web or technology in general, apply for this course. It's a really fun and engaging area to study and it will push your technical abilities. When I applied for this course I was a bit apprehensive about the maths aspect of computing, but if you give yourself time and stick with it, you'll definitely get the hang of it."



# COMPUTING

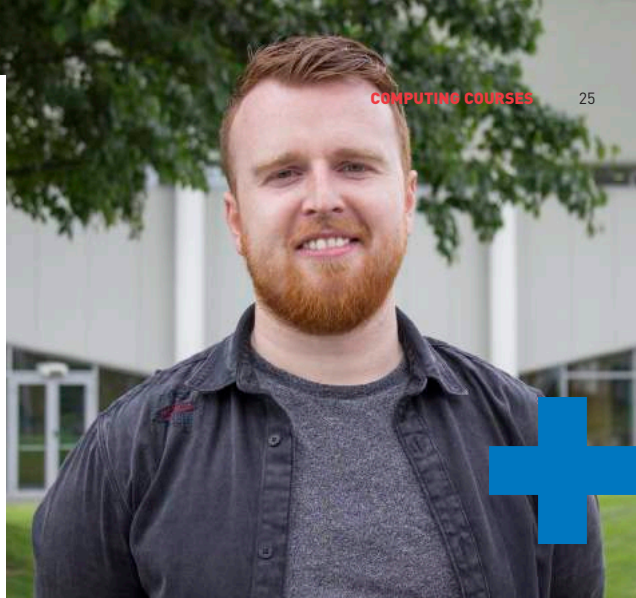
## IS THIS FOR YOU?

Perfect for social, progressive, naturally curious types who enjoy the company of like-minded people, enjoy technical topics and problem-solving, games and fun. The aim of this course is to produce computing graduates with skills, knowledge and competencies in computer infrastructure, communications and networking software, web development, cloud computing, machine learning, developing mobile apps and cyber security.

## GOOD TO KNOW

The development of the technological sector in Ireland has been a major success story. Ireland has been successful in attracting a cluster of major companies involved in this industry and is home to:

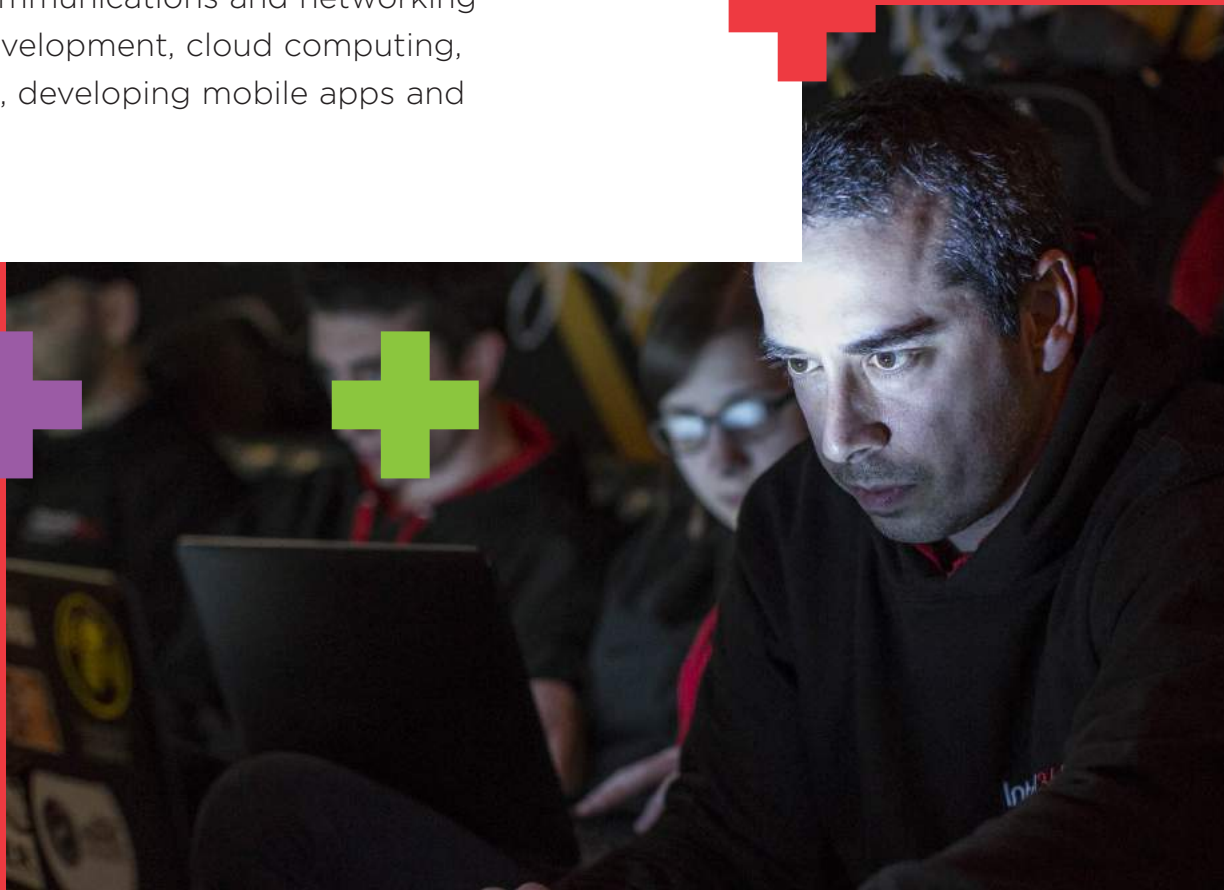
- 10 of the top 10 Global ICT companies
- 9 of the top 10 global software companies
- The top 10 'born on the internet' companies
- 4 of the top 5 IT Services companies
- 3 of the top 3 global security software companies
- 3 of the top 3 global enterprise software companies
- The department of Jobs, Enterprise and Innovation recently stated that there will be more than 44,500 potential job openings for ICT professionals over the period 2013 to 2018 arising from expansion and replacement demand.



Daire Homan  
**Computing**

"I'm glad I enrolled, the course is challenging and covers a lot, but it's structured in a way that allows you to approach it one step at a time.

Learning how to develop software is my favourite thing about the course. At the beginning, I thought that being exceptional at maths would have been necessary to develop software which I was worried about. There is an element of maths, but writing code is more about being able to solve problems and think things through. The third year project that I was a part of was fortunate enough to receive funding to improve our software project over the summer, this was a huge highlight for me."





HIGHER CERTIFICATE IN SCIENCE  
IN COMPUTING IN INFORMATION TECHNOLOGY

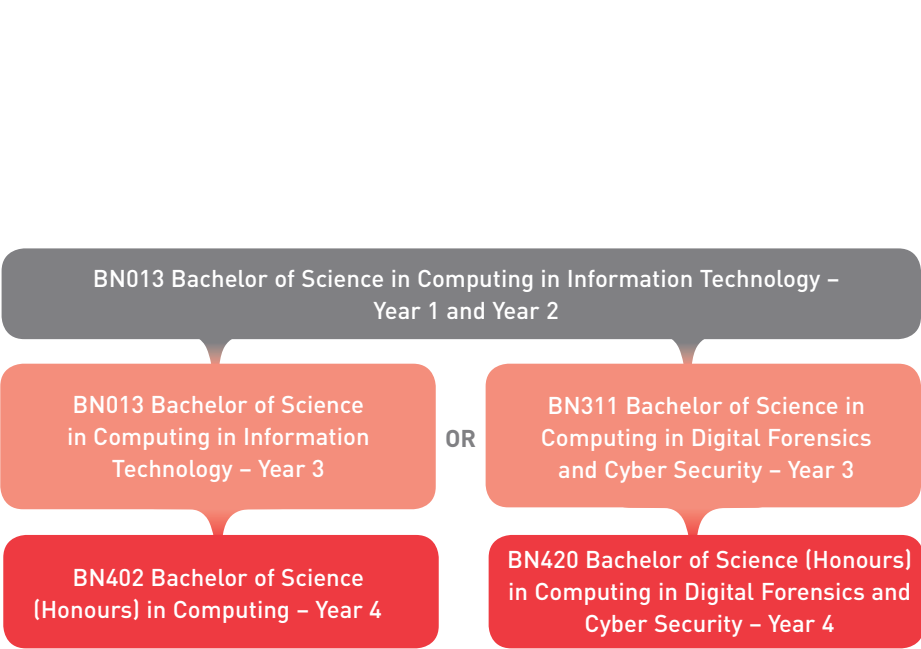
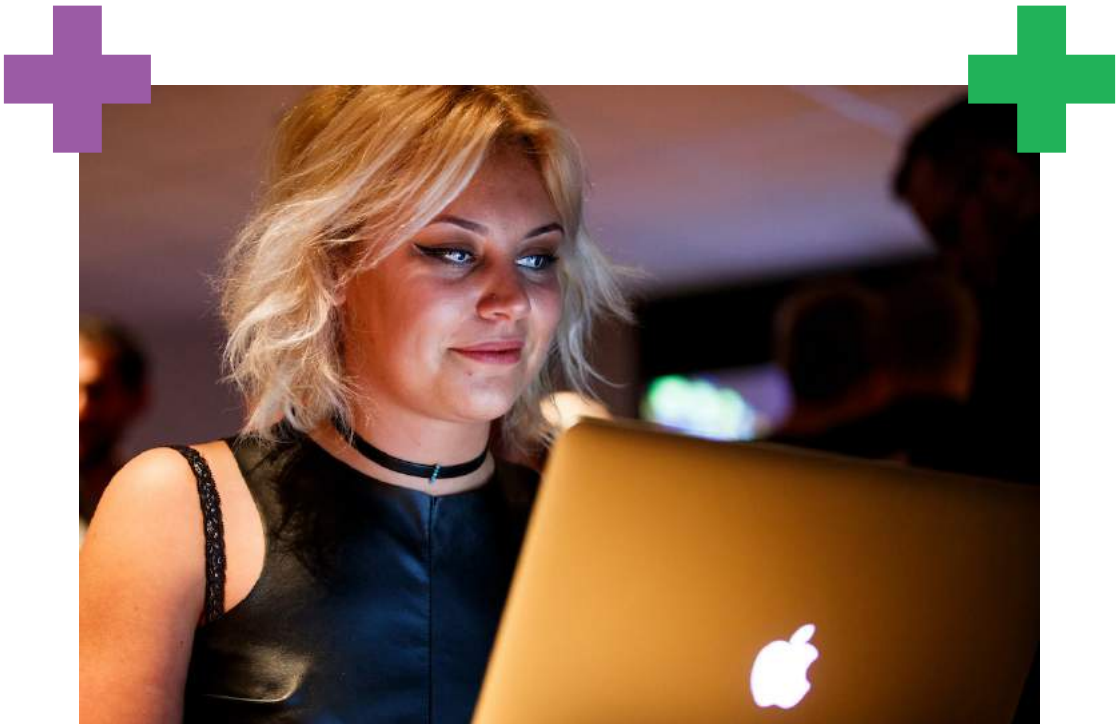
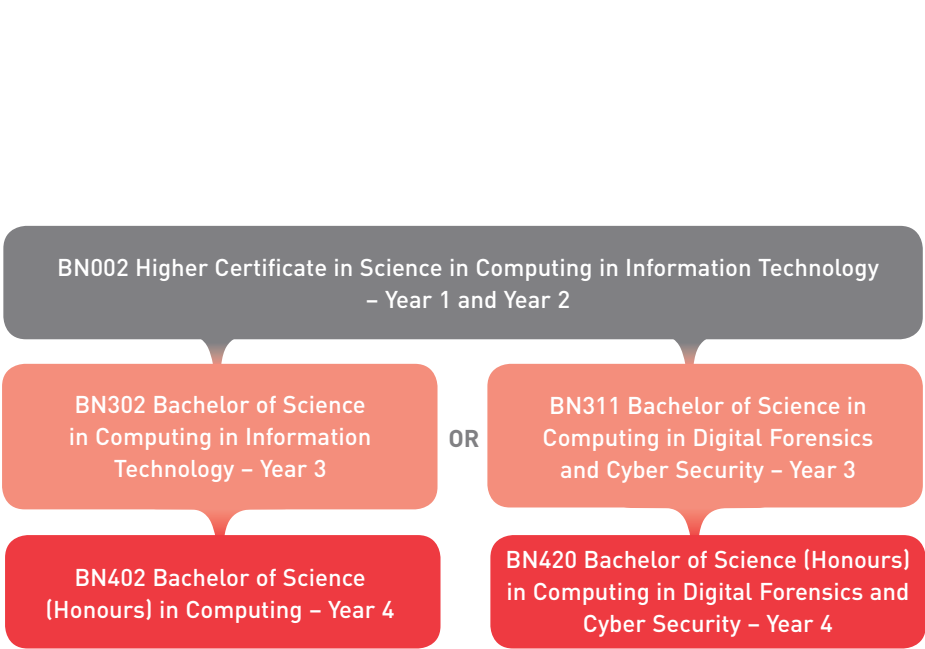
CAO Code BN002

Duration: 2 years	Award Title: Higher Certificate in Science	NFQ Level: 6
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>

BACHELOR OF SCIENCE IN COMPUTING  
IN INFORMATION TECHNOLOGY

CAO Code BN013

Duration: 3 years	Award Title: Bachelor of Science	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>



# BACHELOR OF SCIENCE (HONOURS) IN COMPUTING

CAO Code BN104

**Duration:** 4 years

**Entry Route into Programme:**

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

**Award Title:** Bachelor of Science (Honours)

**Leaving Certificate Entry Requirements:**

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7(H7) grades to include Mathematics and English or Irish.

**NFQ Level:** 8

**QQI-FET (FETAC) Entry Requirements:**

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)



## COURSE CONTENT

The Computing course will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Fundamentals of Programming 1 and 2	LAN Switching and Wireless	Data Structures and Algorithms	Project (Part 1 and Part 2)
Computer Systems	GUI Programming	Rich Web Applications	Research Skills
Networking Basics	Operating Systems	Parallel Computing	<b>Electives - Semester 1:</b> Ubiquitous Computing or Game Development or Applied Human Language Technology or Data Analytics or Enterprise and Cloud Computing or Network Security <i>Note: Three electives must be selected.</i>
Personal and Professional Development	Information Technology Mathematics	Advanced Switching and Routing	Derivation of Algorithms
Web Development Fundamentals	Database Fundamentals	Project Skills	<b>Electives - Semester 2:</b> Text Analysis or Advanced Network Technologies or Web Services or High Performance Computing or Computational Intelligence or Computer Vision <i>Note: Four electives must be selected.</i>
Algorithmic Problem Solving	Object Oriented Analysis and Design	Major Group Project (Part 1 and Part 2)	
Computer Architecture	Advanced Programming	Network Distributed Computing	
Mathematics for Computing	Web Development Server-Side	Object Oriented and Design Patterns	
Routers and Routing Basics	WAN Technologies	Troubleshooting IP Networks	
Web Development Client-Side	Interactive Multimedia	Web Framework Development	
	Software Engineering and Testing		
	IT Business Management		

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



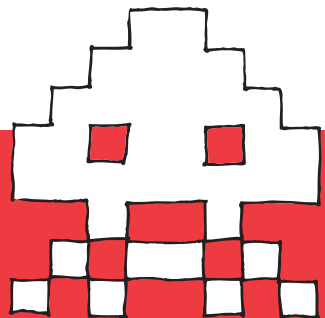
# DIGITAL FORENSICS AND CYBER SECURITY

## IS THIS FOR YOU?

Aimed at anyone who likes to question accepted approaches to cyber security and who thinks about how a network intruder or hacker would behave.

This degree is designed to provide you with an all round perspective on information security risk and risk management.

Graduates are in high demand from all parts of the Information Technology sector as security is one of the fastest growing parts of the industry.



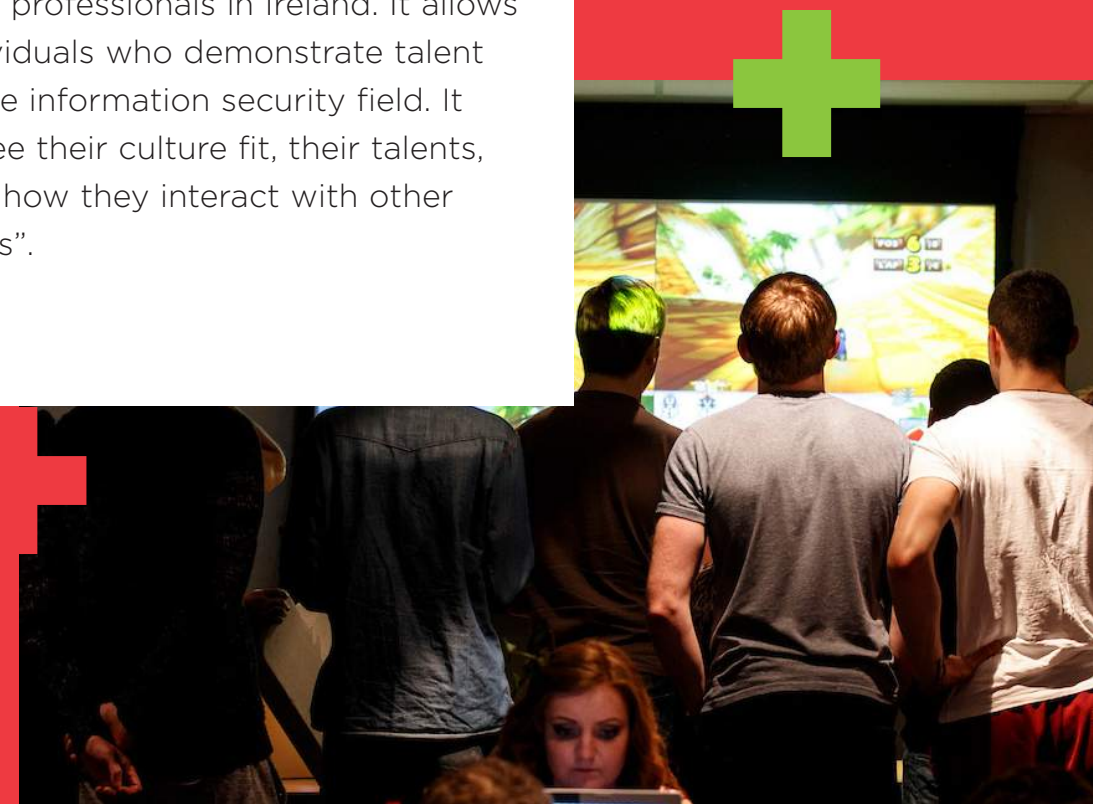
## GOOD TO KNOW

- The demand for IT skills remains strong, with job announcements, from the ICT (HP Ireland, Avaya, Quest Software), gaming (PopCap Games), on-line gambling (Paddy Power) and energy (e.g. Endeco Technologies) sectors.
- ITB's Digital Forensic and Cyber Security lecturers and students organise an annual Zero Days Cyber Security Challenge, the goal being to identify Ireland's top cyber security experts. Sponsors Integrity360 commented "we sponsor this event to encourage the development of cyber security professionals in Ireland. It allows us to see individuals who demonstrate talent and skills in the information security field. It allows us to see their culture fit, their talents, skills sets and how they interact with other team members".

## EMPLOYER TESTIMONIAL

"We reached out to IT Blanchardstown, to look at Interns and Graduates. The feedback was extremely positive, and we compare them very favourably to other graduates. In some cases, we felt that the ITB students were ahead when it came to real world programming."

*Openet*



# BACHELOR OF SCIENCE (HONOURS) IN COMPUTING IN DIGITAL FORENSICS AND CYBER SECURITY

CAO Code BN034

Duration: 3 years	Award Title: Bachelor of Science	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.	QQI-FET (FETAC) Entry Requirements: Any full level 5 or 6 award but it must include Mathematics for Computing or Mathematics for Engineering. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>



# BACHELOR OF SCIENCE (HONOURS) IN COMPUTING IN DIGITAL FORENSICS AND CYBER SECURITY

CAO Code BN120

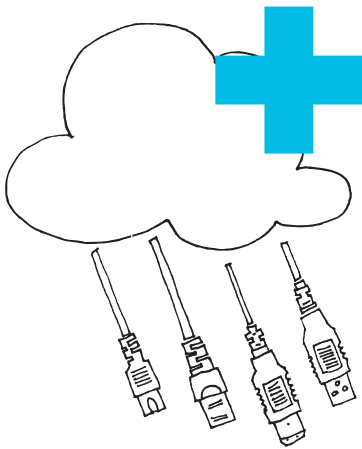
Duration: 4 years	Award Title: Bachelor of Science (Honours)	NFQ Level: 8
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7(H7) grades to include to include Mathematics and English or Irish.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>



COURSE CONTENT

The Bachelor of Science in Digital Forensics and Cyber Security courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Fundamentals of Programming 1 and 2	LAN Switching and Wireless	Computer and Network Forensics	Mobile Device Forensics
Computer Systems	GUI Programming	Secure Programming	Application Security
Networking Basics	Operating Systems	Secure Communications	Business Continuity Management and Cloud Security
Personal and Professional Development	Information Technology Mathematics	Professional Penetration Testing	Network Security Analytics
Web Development Fundamentals	Database Fundamentals	Network Security	Biometrics and Forensics Applications
		Group Project	
Algorithmic Problem Solving	Object Oriented Analysis and Design		Individual Project
Computer Architecture	Advanced Programming		
Mathematics for Computing	Web Development Server-Side		
Routers and Routing Basics	WAN Technologies		
Web Development Client-Side	Interactive Multimedia		
	Software Engineering and Testing		
	IT Business Management		







# HORTICULTURE COURSES

## WHAT

Horticulture reaches many aspects of peoples' lives, perhaps without them even realising it; from the food that they eat, to the flowers and plants they purchase for themselves or as gifts, to the gardens, parks and sports facilities they use for relaxation and recreation.

Horticulture is a significant contributor to the Irish economy with Bord Bia suggesting that the Irish Horticultural Industry has an estimated annual farmgate value of €380 million with over 6,000 employed in the sector (full time, part time and seasonal workers).

The 'Garden Market Value' research (Ipsos MRBI on behalf of Bord Bia, March 2015), shows Irish consumers' gardening spend has increased by 22% since 2011 to reach €631 million in 2014. Landscaping, referring to any consumer spend on garden design and maintenance, is valued at €118 million, an increase of 22% since 2011. In 2013, the Federation of Irish Sport estimated that overseas visitors in the golfing sector brought in €202 million to the Irish economy.



The hands-on and practical horticulture courses offered at ITB are designed to develop the knowledge, skills and practical experience needed to work in the dynamic and developing horticulture sector.

### WHY

A qualification in horticulture offers the graduate a wide range of interesting and challenging career options; previous graduates have secured employment in landscape design, stadia groundskeeping, garden centres and nurseries, organic and conventional food production, golf course management, parks and gardens management and teaching horticulture. There are numerous employment opportunities in Ireland and worldwide for qualified horticulturists. Many graduates have also successfully established their own businesses in these sectors.

### WHO

Many horticulture careers involve physical activity and working outdoors — so if you're the active, creative, entrepreneurial type, who enjoys challenging and hands-on work; if you're interested in biodiversity and the environment, how and where your food is grown and how parks and golf courses are designed and cared for, then you should consider a career in horticulture.

### HOW

Incorporating both the theoretical and practical aspects of horticulture, our courses introduce students to the

basic concepts in first year. Expanding and developing this knowledge into more advanced theories and ideas in subsequent years. Students study modules on vegetable and fruit production, organic and sustainable growing, floristry and interior landscapes, food product development, tree management, landscape design and turfgrass management as well as information technology skills for horticulture, starting and managing small businesses and research skills.

We offer practical hands-on opportunities to develop skills through real life practical projects, often engaging with local community groups, to design and build gardens to a brief and within a set budget. In June 2017, Fingal County Council and the ITB Horticulture Department won a bronze medal at the Bloom Festival for their Flúirse Fingal Garden in the Medium Garden category. The students were involved in all aspects, from design through growing the plants, constructing the garden and planting up and putting the finishing touches to the garden. These activities allow students to develop their team-working skills while getting to know each other and their lecturers in a working environment. Work placement is an essential part of these courses, immersing students in the workplace, practicing the skills they have learned and gaining valuable experience in the industry to improve their employability in the future.





BACHELOR OF SCIENCE  
IN HORTICULTURE

CAO Code BN022

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Science

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.



NFQ Level: 7

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

Additional Requirements:

Garda Vetting see page 166.



BN022 Bachelor of Science in  
Horticulture – Year 1, Year 2 and  
Year 3

BN406 Bachelor of Science  
(Honours) in Horticulture – Year 4

Shane Halpin

Horticulture

“I chose this course as I liked how the course is varied covering all aspects of horticulture from the basics like ‘soil science’ and ‘plant nutrition’ to ‘start and manage your own business’ and industry placement.

The newly constructed horticulture facility is a great resource and has all industry standard equipment such as the new computer controlled irrigation system installed in 2016. In second year, we do work placement which is a fantastic opportunity to experience the commercial reality of life in the horticulture industry.

Don't be afraid of getting your hands dirty, this is a very practical course that's not too difficult especially if you are interested in the subject.”





BACHELOR OF SCIENCE (HONOURS)  
IN HORTICULTURE

CAO Code BN113

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Science  
(Honours)

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

Additional Requirements:

Garda Vetting see page 166.



COURSE CONTENT

The Horticulture courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
IT and Professional Development	Vegetable Production	Horticultural Project Management	Final Year Project (Part 1 and Part 2)
Soil Science	Ecology and Biodiversity	Marketing a Horticultural Enterprise	<b>Electives - Semester 1:</b> Automation in Horticulture or Health Recreation and Green Infrastructure or Plant Treatment Regulation or Sports Surface Management or Post-Harvest Technology or Social and Therapeutic Horticulture <i>Note: Four electives must be selected</i>
Plant Identification and Classification	Turf Grass ID and Establishment	Trees and Woodlands	
Horticultural Calculations and Measurements	Integrated Crop Management	Fruit Production	
Plant and Landscape Skills	Nursery Stock Production	Research Methods for Horticulture	
Plant Biology	Landscape Construction	Manage Your Own Business	<b>Electives - Semester 2:</b> Environmental Management or Golf Course Design and Management or Entrepreneurship and Enterprise Development or Culinary and Medicinal Plants or Historical and Contemporary Parks and Gardens or Food Product Development 2 <i>Note: Students who opt for Food Product Development 2 must choose 2 other Electives. Students who do not choose Food Product Development 2 must choose 4 Electives.</i>
Plant Identification – Use and Management	Industry Placement	Crops Under Protection	
Machinery and Equipment Skills	Start Your Own Business	<b>Electives - Semester 1:</b> Organic and Sustainable Horticulture or Landscape Design or Floristry and Interior Landscape <i>Note: Two electives must be selected</i>	
Graphics and CAD for Horticulture	Contracts, Specifications and Tenders		
Plant Nutrition			
Horticulture in the Community		<b>Electives - Semester 2:</b> Advanced Landscape Design or Retail Horticulture or Apiculture or Food Product Development 1. <i>Note: Two electives must be selected</i>	
Plant Propagation			

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



# ENGINEERING COURSES

## WHAT

At ITB you can study Computer Engineering, with a later specialisation in Mobile Systems and Mechatronic Engineering. These courses are offered at Higher Certificate, Ordinary Degree and Honours Degree levels.

## WHY

Graduates of these courses can work on Mobile Systems, in Software Engineering, Electronics Design, the Manufacturing sector, Automation and Test Engineering amongst others. Students will be equipped to apply for a wide range of high technology jobs upon completion of the course.

## WHO

If you enjoy taking devices and components apart and putting them back together, figuring out how they work and how they can work better and you want to get a qualification to be able to build and invent then this is the right path for you.



## HOW

All of these courses are designed to give you a sound theoretical knowledge across a mix of disciplines together with strong practical skills. This means you can move directly into work or go on to further study. You will learn how to work effectively, both on your own and as part of a team and will work on specially designed projects that bring together the various subjects in your course.

All of this is done with modern, well-equipped labs, easy online access to course materials, lectures and assessment as well as on-site support from enthusiastic staff willing to spending time working with our students.

## PROFESSIONAL RECOGNITION OF ITB'S ENGINEERING COURSES

ITB's engineering courses are accredited by Engineers Ireland ([www.engineersireland.ie](http://www.engineersireland.ie)) and reviewed every 5 years. This gives an outside objective evaluation to our programmes from the relevant professional body, so ensuring they stand up to the best standards worldwide. They have accredited the following programmes leading to professional titles of Associate Engineer or Engineering Technician:

- BEng in Engineering in Computer Engineering (BN012) – Associate Engineer (AEng MIEI).
- BEng in Mechatronic Engineering (BN009) – Associate Engineer (AEng MIEI).

## Aiden Barrett Computer Engineering

"I chose a degree in Computer Engineering because it integrates several fields of engineering.

A computer engineering student will learn electronic, electrical, hardware and software engineering along with computer programming, networking, embedded systems and IoT Technologies. These are invaluable skills to equip in preparation for modern industry.

The facilities at ITB are great. The lecturers are down to earth and always helpful. The learning curve can be steep at times but ultimately rewarding.

The best thing about being an ITB student is the sense of community in the college. If you are interested in computers, gadgets, technology and electronic devices, this is the course for you.

It is a rewarding and beneficial qualification to pursue and ITB is more than equipped to ensure you get the best education in this particular discipline."



# HIGHER CERTIFICATE IN ENGINEERING IN COMPUTER ENGINEERING

CAO Code BN001

Duration: 2 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Higher Certificate in Engineering

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A Pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.

NFQ Level: 6

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)

# BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

CAO Code BN012

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Engineering

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.

NFQ Level: 7

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award but it must include Mathematics, or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)

BN001 Higher Certificate in Engineering in Computer Engineering – Year 1 and Year 2

BN301 Bachelor of Engineering in Computer Engineering – Year 3

BN423 Bachelor of Engineering (Honours) in Computer Engineering in Mobile Systems – Year 4



BN012 Bachelor of Engineering in Computer Engineering – Year 1, Year 2 and Year 3

BN423 Bachelor of Engineering (Honours) in Computer Engineering in Mobile Systems – Year 4



## BACHELOR OF ENGINEERING

(Allowing later specialisation in Computer Engineering or Mechatronic Engineering)

CAO Code BN015

**Duration:** 3 years

**Award Title:** Not applicable

**NFQ Level:** 7

**Entry Route into Programme:**

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

**Leaving Certificate Entry Requirements:**

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A Pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.

**QQI-FET (FETAC) Entry Requirements:**

Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)

### COURSE CONTENT

Please note that there is a one year schedule for first year as listed in the following table:

**Semester 1**

Algebra and Geometry

Professional Development for Engineers

Digital Electronics

Engineering Science

Circuit Theory

Workshop Practice 1

**Semester 2**

Fundamentals of Calculus

Analogue Electronics

Programming 1

Electrical Science

Introduction to Electronic Communications

Workshop Practice 2

BN015 Bachelor of Engineering (allowing later specialisation in Computer Engineering or Mechatronic Engineering) – Year 1

BN012 Bachelor of Engineering in Computer Engineering – Year 2 and Year 3. See page 47

OR

BN009 Bachelor of Engineering in Mechatronic Engineering – Year 2 and Year 3. See page 59

BN423 Bachelor of Engineering (Honours) in Computer Engineering in Mobile Systems – Year 4

BN422 Bachelor of Engineering (Honours) in Mechatronic Engineering – Year 4



# BACHELOR OF ENGINEERING (HONOURS)

(Allowing later specialisation in Computer Engineering in Mobile Systems or Mechatronic Engineering)

CAO Code BN108

**Duration:** 4 years

**Entry Route into Programme:**

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

**Award Title:** Bachelor of Engineering (Honours)

**Leaving Certificate Entry Requirements:**

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7(H7) grades to include Mathematics and English or Irish.

**NFQ Level:** 8

**QQI-FET (FETAC) Entry Requirements:**

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Engineering or Mathematics for Computing. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)

BN108 Bachelor of Engineering (Honours) (allowing later specialisation in Computer Engineering in Mobile Systems or Mechatronic Engineering) – Year 1

BN117 Bachelor of Engineering (Honours) in Computer Engineering in Mobile Systems – Year 2, Year 3 and Year 4. See page 56

OR

BN121 Bachelor of Engineering (Honours) in Mechatronic Engineering – Year 2, Year 3 and Year 4. See page 66

## COURSE CONTENT

Please note that there is a one year schedule for first year as listed in the following table:

Semester 1
Algebra and Geometry
Professional Development for Engineers
Digital Electronics
Engineering Science
Circuit Theory
Workshop Practice 1
Semester 2
Fundamentals of Calculus
Analogue Electronics
Programming 1
Electrical Science
Introduction to Electronic Communications
Workshop Practice 2





# COMPUTER ENGINEERING IN MOBILE SYSTEMS

## IS THIS FOR YOU?

If you like the idea of building gadgets, making them do what you want with your own software, connecting them to the Internet and the Cloud and controlling them with your own mobile apps, then this is where you can learn how things work and how to apply your imagination to improve and invent the things that we all use in our daily lives.

When it comes to employment, there is a growing demand for graduates with this mix of hardware and software skills, including hardware-software integration. This mix of skills is needed for the ever expanding world of mobile systems, from app development to the technology of the networks behind it all.



## GOOD TO KNOW

- The use of mobile systems and the internet as part of ICT has played a major part in the growth and transformation of technology-enabled devices such as specialised sensors and medical devices that sustain life, environmental monitoring, businesses, real-time and secure social interaction platforms.
  - Graduates with a mobile systems qualification can work in the rapidly growing area of the Internet of Things (IoT) bringing together smart internet connected devices and large-scale data analytics to create an ever more connected and integrated world.
  - Close links with companies such as Intel, IBM and Cisco who are championing the Internet of Things (IoT) make the course very relevant to the industry with great career opportunities.
- Students spend over 50% of their course time doing hands-on, practical assignments, tutorials and project work in well-resourced, state-of-the-art laboratories and workshops.
  - Students on this course have recently been finalists in the first ever Intel Galileo (IoT) competition and many graduates are now employed in the field.
- The Careers Office has put in place well-structured information sessions at which past engineering graduates, practicing engineers, technology experts and engineering companies can engage with students on topical engineering issues, including career pathways and preparation for engineering job markets.



# BACHELOR OF ENGINEERING (HONOURS) IN COMPUTER ENGINEERING IN MOBILE SYSTEMS

CAO Code BN117

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Engineering (Honours)

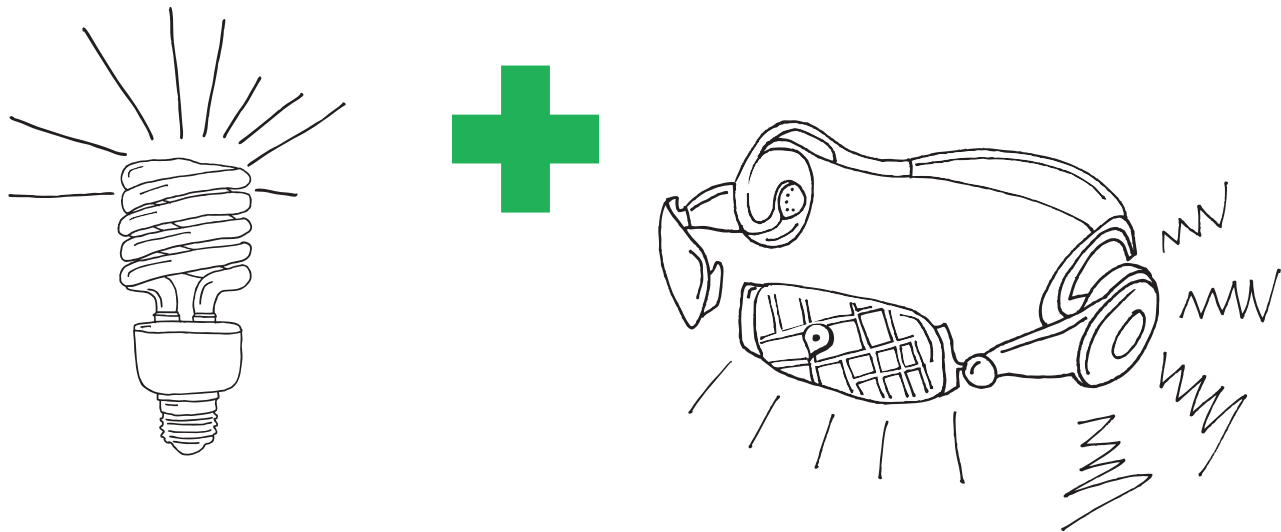
Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7(H7) grades to include Mathematics and English or Irish.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)



## COURSE CONTENT

The courses in Engineering in Computer Engineering will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Algebra and Geometry	Microprocessor Fundamentals	Signals and Transforms	Project
Professional Development for Engineers	Programming 2	Physics of Semiconductor Devices	Linear Systems and Optimisation
Digital Electronics	Electronic Computer Aided Design	Software Design and Quality	VLSI Circuit Design
Engineering Science	Interfacing Electronics	Digital Communications	Mobile Application Development
Circuit Theory	Computer Networks	Software for Real Time and Embedded Systems	<b>*Elective - Semester 1:</b> Management Information Systems
Workshop Practice 1 and 2	Linear Algebra and Calculus	Project (Part 1 and 2)	Wireless Communication Systems
Fundamentals of Calculus	Microcontroller Applications	Signals and Systems Analysis	*Industrial Placement
Analogue Electronics	Digital Logic	Computer Architecture and Computer Systems	VLSI Systems Design
Programming 1	Web Technologies and Databases	Java and Algorithms	Mobile Internetworking
Electrical Science	Object Oriented Programming	Wireless and Mobile Networks	<b>*Elective - Semester 2:</b> Applications of Digital Signal Processing
Introduction to Electronic Communications	Statistics and Probability	Digital Signal Processing (DSP)	Internet of Things Technologies
	Project		

\*Industrial Placement will run over an 8-10 week period in the summer after Year 3 of study.

\*Students who do not go on Industrial Placement will take the 2 Electives listed in year 4.

Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.



# MECHATRONIC ENGINEERING

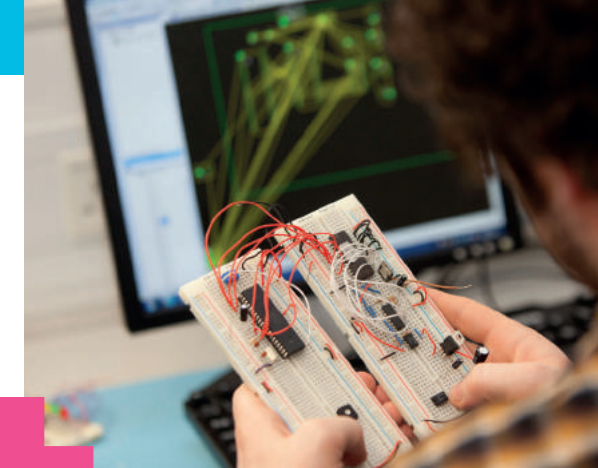
## IS THIS FOR YOU?

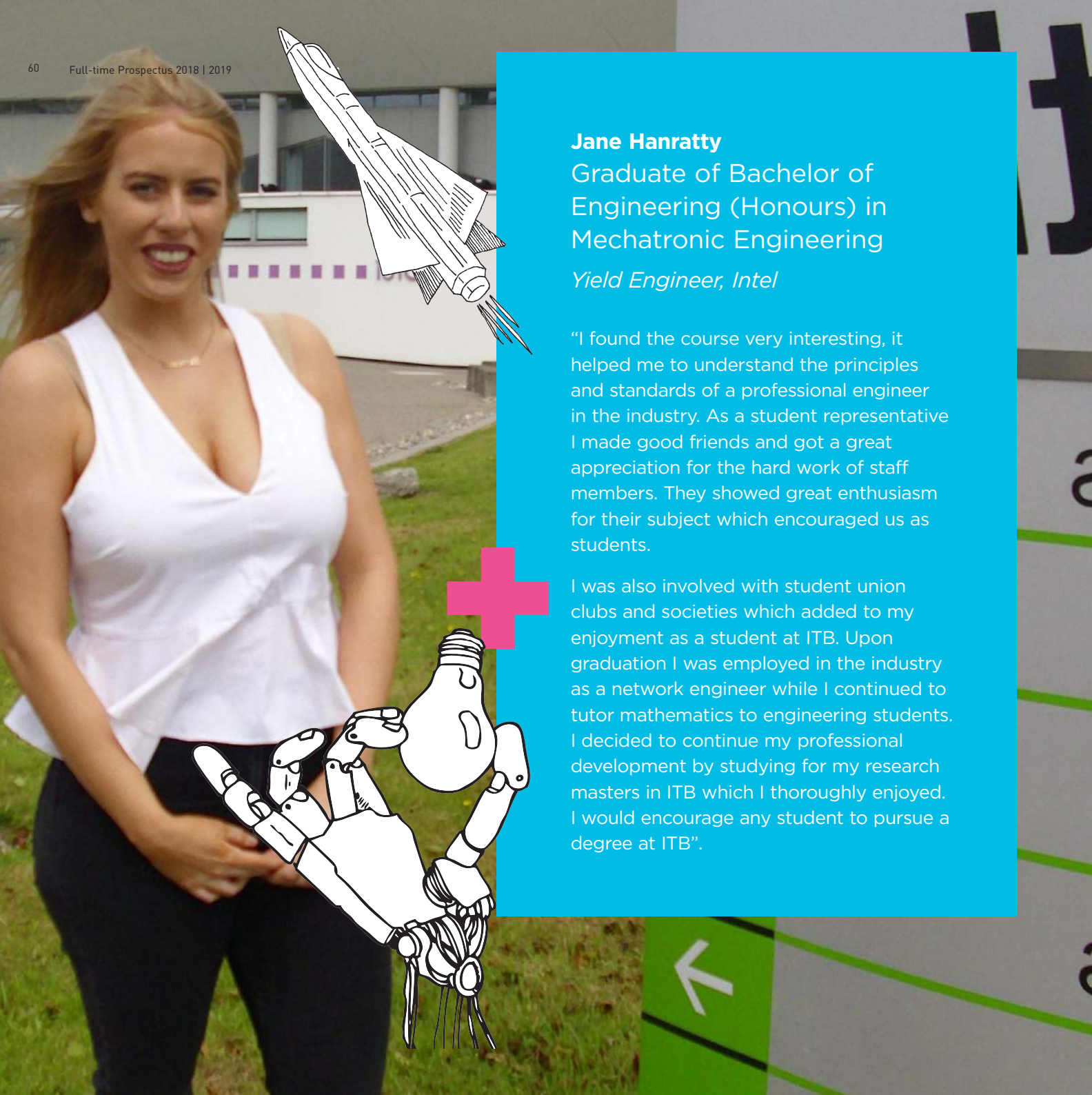
Are you curious, imaginative, active and inventive, do you like team projects and problem solving? Then the mix of electronic, electrical, computer, robotics and mechanical in Mechatronic Engineering will offer you plenty of opportunities to thrive. Graduates will be in a position to pursue careers in any number of fields from Pharmaceuticals, Manufacturing and Heavy Industry to Aerospace Technology.



## GOOD TO KNOW

- Students spend over 50% of the contact hours doing hands-on, practical assignment, tutorials and project work in well resourced, state-of-the-art laboratories and workshops.
- 2017 Final Year Mechatronic Engineering projects were the most exciting yet, and included a quadcopter, environmental controllers, autonomous vehicles and much more.
- The ITB Engineering Society is a dynamic student body that provides forums for peer-to-peer interactions between registered engineering students at all levels. The society organises engineering design talent competitions, interaction with industry and field visits that provides its members with vital opportunities for communication with engineering practice and the society at large.





### Jane Hanratty

Graduate of Bachelor of Engineering (Honours) in Mechatronic Engineering

*Yield Engineer, Intel*

"I found the course very interesting, it helped me to understand the principles and standards of a professional engineer in the industry. As a student representative I made good friends and got a great appreciation for the hard work of staff members. They showed great enthusiasm for their subject which encouraged us as students.

I was also involved with student union clubs and societies which added to my enjoyment as a student at ITB. Upon graduation I was employed in the industry as a network engineer while I continued to tutor mathematics to engineering students. I decided to continue my professional development by studying for my research masters in ITB which I thoroughly enjoyed. I would encourage any student to pursue a degree at ITB".

## BACHELOR OF ENGINEERING IN MECHATRONIC ENGINEERING

CAO Code BN009

**Duration:** 3 years

**Award Title:** Bachelor of Engineering

**NFQ Level:** 7

### Entry Route into Programme:

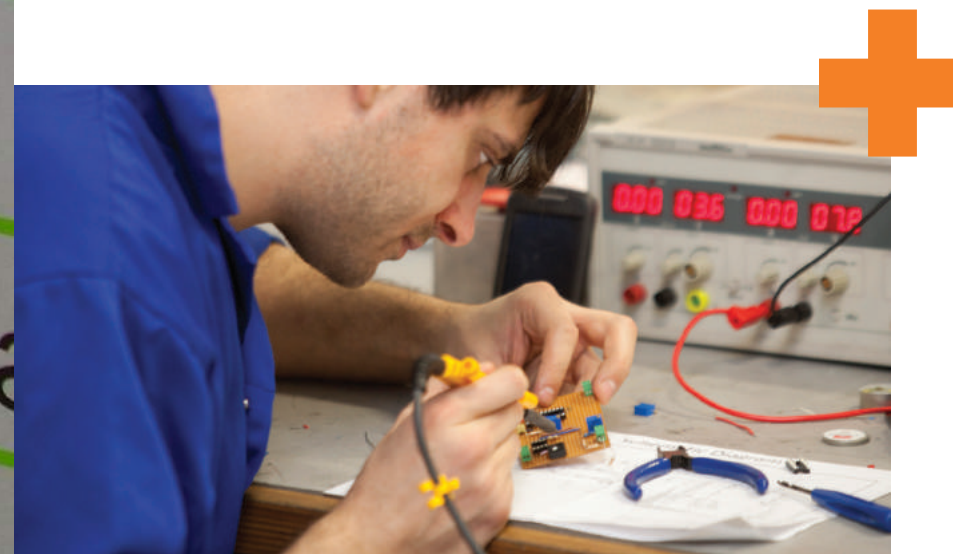
- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

### Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish  
A pass is Ordinary 6 (06) or Higher 7 (H7) grade or higher.

### QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)



BN009 Bachelor of Engineering in Mechatronic Engineering – Year 1, Year 2 and Year 3

BN422 Bachelor of Engineering (Honours) in Mechatronic Engineering – Year 4



BACHELOR OF ENGINEERING

(Allowing later specialisation in Computer Engineering or Mechatronic Engineering)

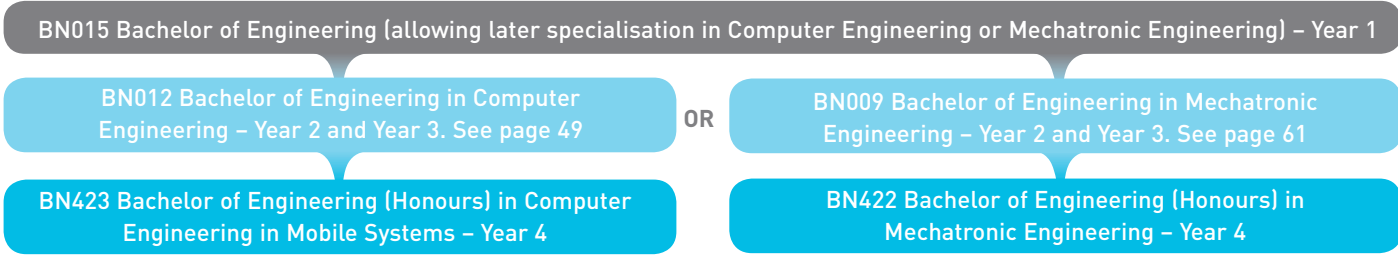
CAO Code BN015

Duration: 3 years	Award Title: Not applicable	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award but it must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>

COURSE CONTENT

Please note that there is a one year schedule for first year as listed in the following table:

Semester 1
Algebra and Geometry
Professional Development for Engineers
Digital Electronics
Engineering Science
Circuit Theory
Workshop Practice 1
Semester 2
Fundamentals of Calculus
Analogue Electronics
Electrical Science
Introduction to Electronic Communications
Workshop Practice 2
Programming 1

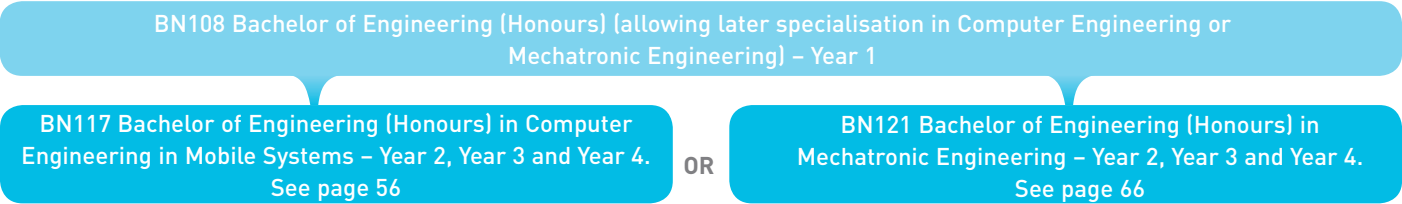


## BACHELOR OF ENGINEERING (HONOURS)

(Allowing later specialisation in Computer Engineering or Mechatronic Engineering)

CAO Code BN108

Duration: 4 years	Award Title: Not applicable	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Engineering or Mathematics for Computing. Further details at <a href="http://www.itb.ie/fetac">www.itb.ie/fetac</a>



COURSE CONTENT

Please note that there is a one year schedule for first year as listed in the following table:

Semester 1
Algebra and Geometry
Professional Development for Engineers
Digital Electronics
Engineering Science
Circuit Theory
Workshop Practice 1
Semester 2
Fundamentals of Calculus
Analogue Electronics
Programming 1
Electrical Science
Introduction to Electronic Communications
Workshop Practice 2





# BACHELOR OF ENGINEERING (HONOURS) IN MECHATRONIC ENGINEERING

CAO Code BN121

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Engineering (Honours)

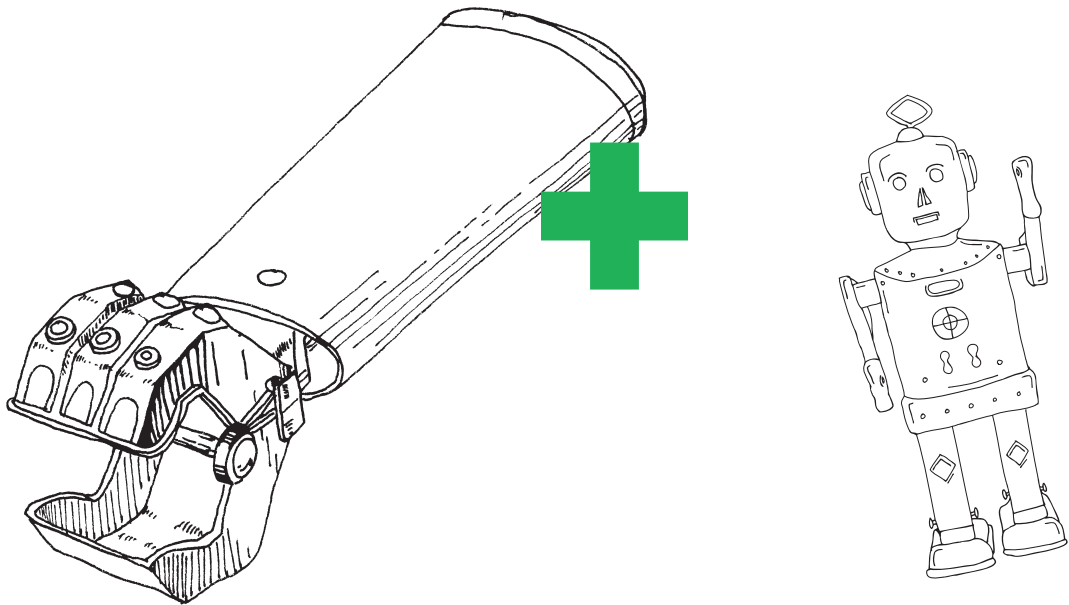
Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7(H7) grades to include Mathematics and English or Irish.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules. This award must include Mathematics or Mathematics for Computing or Mathematics for Engineering. Further details at [www.itb.ie/fetac](http://www.itb.ie/fetac)



## COURSE CONTENT

The Mechatronic Engineering courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Algebra and Geometry	Linear Algebra and Calculus	Signals and Transforms	Differential Equations and Numerical Methods
Professional Development for Engineers	Interfacing and Data Acquisition	Electrical Power and Machines	Control Systems
Digital Electronics	Fluid Power Systems	Mechanics 2	Software Engineering
Engineering Science	Mechanics 1	Design Methodology and Tools	Embedded Systems
Circuit Theory	Computer Aided Design	Automation 1	*Industrial Placement
Workshop Practice 1 and 2	Electronic Computer Aided Design	<b>Electives - Semester 2:</b> Signals and Systems Analysis or Energy Management Systems or Industrial Engineering	Design Project (Part 1 and Part 2)
Fundamentals of Calculus	Statistics and Probability		Mechanics and Materials
Analogue Electronics	Microcontrollers		Industrial Networks and Distributed Systems
Programming 1	CAD/CAM	Project (Part 1 and Part 2)	Industrial Robotics and Vision Inspection
Electrical Science	Manufacturing and Maintenance	Computer Networks	<b>*Electives</b> Enterprise Resource Management or Advanced Computer Aided Design or Sustainable Energy Systems
Introduction to Electronic Communications	Instrumentation	Quality Systems	
	Mini Project	Automation 2	

\*Industrial placement will run over an 8-10 week period in the summer after year 3 of study. Students who do not opt to go on industrial placement will choose 2 electives out of the three on offer.

Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.



# BUSINESS COURSES

## WHAT

ITB offers business courses at Higher Certificate, Ordinary Degree and Honours Degree levels in the area of Business, International Business, Accounting and Finance, Business with Information Technology, Digital Marketing and Sports Management and Coaching.

## WHY

The scope of these programmes will allow graduates to move into a whole range of careers in industry, commerce and the public sector.

## WHO

Creative, independent and dynamic problem solvers with an entrepreneurial spirit and energy will thrive on these courses.



## HOW

These courses provide strong technical skills with an emphasis placed on the application of the knowledge learned. In other words, students are expected to complete specific work tasks, while on-going continuous assessment, teaching and learning methods in a supportive environment, ensure that students become proficient in time management. The small size of our campus allows students to get to know their lecturers and start to take charge of their own learning so as to develop practical work-ready skills.

All of the programmes in the School of Business include a blend of assessments and exams. The blend of assessments allows students to develop key skills for the workplace including project management, organisation skills, team building and conflict management.

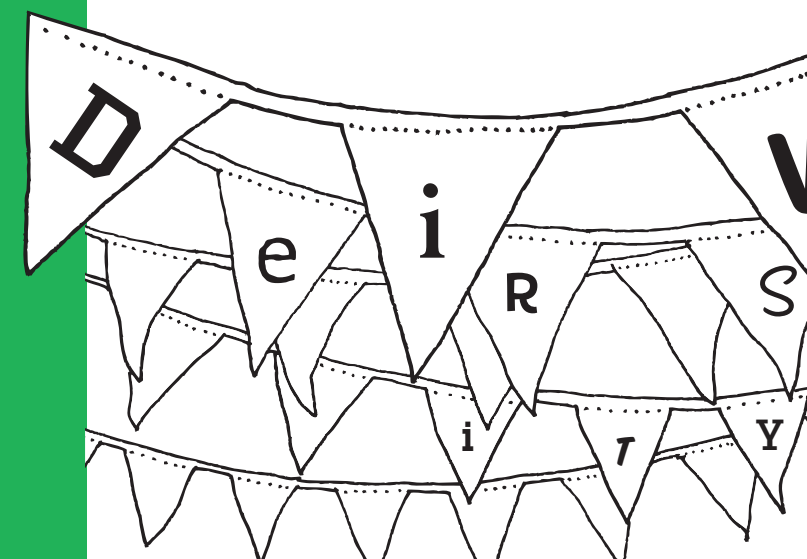
## Mary Downes General Business

"I worked in various positions over the last 25 years and due to unforeseen circumstances I then found myself out of work. Upon reviewing various positions in the employment sector I noted that a lot of companies required a formal qualification so I made a decision to return to education and acquire a degree.

The modules covered include Marketing, Human Resources, European Studies, Maths and Accountancy, Sustainable Business to name a few. Group work is a must in the majority of the modules which is great for working together as a team.

I would advise all students to attend classes and most importantly tutorials as this is where you get extra support on any matter.

I find the lecturers very approachable and they will guide you in the right direction on any matter. They ask you challenging questions to ensure you get a better understanding of the matter you have asked of them".



# BUSINESS

## IS THIS FOR YOU?

Perfect for problem solvers, this course offers a comprehensive grounding in the key aspects of business, producing an all-rounded business graduate who can undertake a variety of roles in a company. The wide range of subjects offered will provide you with all the practical, work ready skills you need to get a job in a variety of companies, acting as project support agents, customer service agents, marketing, human resource and finance executives.



## Elaine Jones

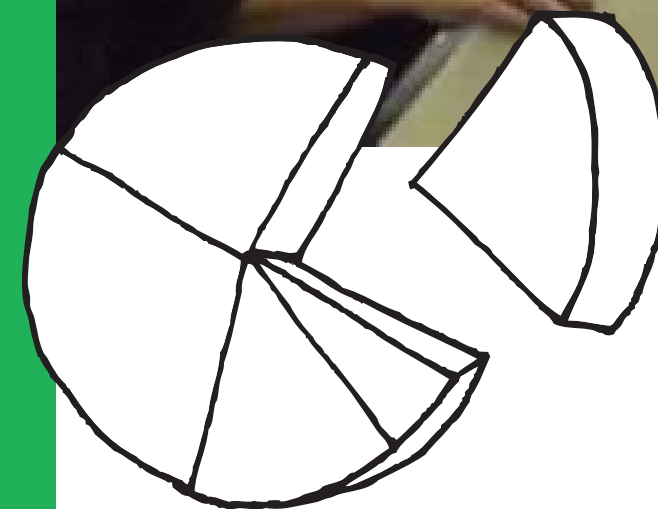
Graduate of Business

*FMSS Project Management Team in  
Department of Public Expenditure and  
Reform*

“The wide range of subjects that I studied and the practical experience from project work that I got at ITB meant that I was well prepared for the job market when I graduated. As the degree is in general Business you have the opportunity to study a broad range of subject areas and this means that you get a real sense of the business areas that you prefer.

I made some good friends during my time at ITB and the staff made it for me, they really want you to get the best from yourself.

I would say to anyone thinking of applying for this course that the class sizes are small in comparison to some other institutions, your lecturers will know you by name and you will have plenty of opportunity to ask questions about things you are unsure of or need help with. There is a great Students Union at ITB and there is always something going on and lots of societies and clubs to get involved with”.





HIGHER CERTIFICATE IN BUSINESS

CAO Code BN003

Duration: 2 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Higher Certificate in Business

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

NFQ Level: 6

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

BACHELOR OF BUSINESS

CAO Code BN014

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Business

Leaving Certificate Entry Requirements:

A Pass in five subjects (Ordinary Level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

NFQ Level: 7

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.



BACHELOR OF BUSINESS (HONOURS)

CAO Code BN101

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Business (Honours)

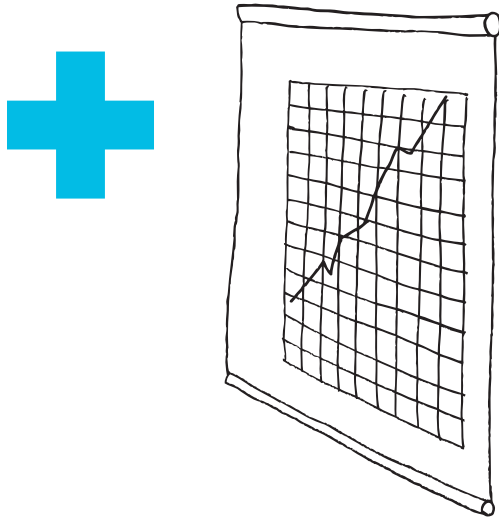
Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

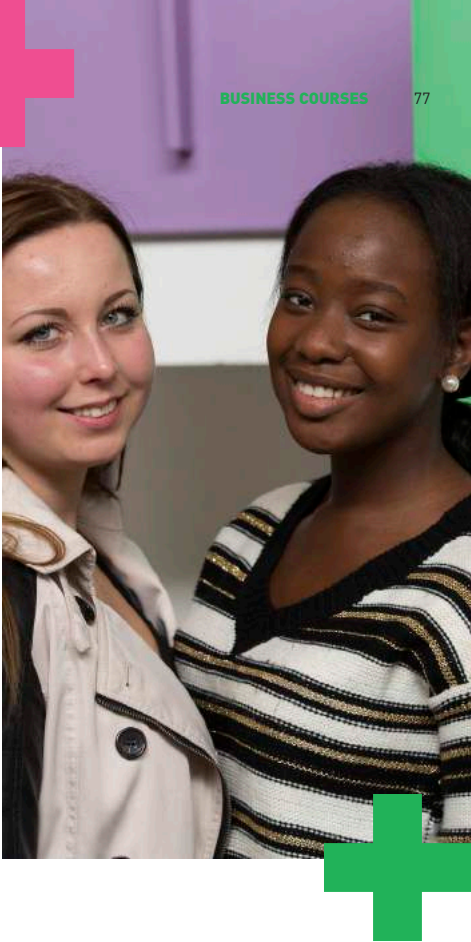


COURSE CONTENT

The Business courses will cover the following subject areas:

YEAR 1	YEAR 2
Accounting	Financial Accounting
Fundamentals of Economics: Micro Economics	Human Resource Management 1 and 2
Business Mathematics and Statistics 1 and 2	Electronic Commerce
Exploring Modern Enterprises	Principles of Marketing
Skills for Success in Higher Education	Business Law
Leading Modern Enterprises	Information Management
Fundamentals of Economics: Macro Economics	Introduction to Management and Cost Accounting
Business Information Systems	Marketing Communications
<b>Electives - Semester 1:</b> French PLC 1a or French – Ab Initio 1a or Spanish – Ab Initio 1a or Spanish – PLC 1a or German – Ab Initio 1a or German – PLC 1a or Irish Culture and Society or Exploring Web Design or English for Academic Purposes 1 <i>Note: One elective must be selected. The same language elective option must be selected in Semester 2 as that of Semester 1.</i>	<b>Electives - Semester 1:</b> French for Business 2a or Spanish for Business 2a or German for Business 2a or European Studies or English for Business Purposes 1. <i>Note: One elective must be selected.</i>
<b>Electives - Semester 2:</b> French PLC 1b or French – Ab Initio 1b or Spanish – Ab Initio 1b or Spanish – PLC 1b or German – Ab Initio 1b or German – PLC 1b or Applied Media Studies in Business or Skills for Problem Solving or English for Academic Purposes 2 <i>Note: One elective must be selected.</i>	<b>Electives - Semester 2:</b> French for Business 2b or Spanish for Business 2b or German for Business 2b or Sustainable Business Practice or English for Business Purposes 2 or Environmental Resource Management. <i>Note: One elective must be selected.</i>

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*





YEAR 3	YEAR 4
Financial Management 1	Strategic Management 1 and 2
Business Psychology and Behaviour 1 and 2	Financial Information Analysis
Operations Management	Strategic Human Resource Management
Business Systems Analysis	Project Management
Global Business Environment	Financial Management 2
Management Accounting: Cost, Accumulation, Planning and Control	Strategic Management of Information Systems
Databases for Business	Service Marketing Management
Diversity in the Workplace	<b>Elective Semester 1:</b> Business Research Methods or Digital and Contemporary Marketing Practice or Financial Reporting or French for Business 4a or German for Business 4a or Spanish for Business 4a or Company Law or Business Ethics. <i>Note: Two electives must be selected. Language is not mandatory.</i>
<b>Elective Semester 1:</b> Creativity, Innovation and Entrepreneurship or French for Business 3a or German for Business 3a or Spanish for Business 3a or Selling and Sales Management <i>Note: One elective must be selected</i>	
<b>Elective Semester 2:</b> Enterprise Development or French for Business 3b or German for Business 3b or Spanish for Business 3b or Modern Irish Economic and Business History <i>Note: One elective must be selected</i>	<b>Elective Semester 2:</b> Supply Chain Management or Global Marketing or Auditing or French for Business 4b or German for Business 4b or Spanish for Business 4b or Process Analysis or Managing Service Quality and Customer Relationships or Business Project or Corporate Social Responsibility or Business Intelligence <i>Note: Two electives must be selected. Language is not mandatory.</i>

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



# BUSINESS AND IT

## IS THIS FOR YOU?

If you like games, technology and business, here's where you'll learn the skills needed to bridge the gap between business and IT, and between IT and business, so you become more resourceful, flexible, unlimited and independent in your career development. It also prepares you to work in challenging and progressive organisations.

Design a website, problem solve, create a marketing campaign, write a computer programme, make an investment decision, produce an interactive multimedia presentation... it's all in a typical day for a Business and IT student in ITB.

Graduates of the course are in a unique position where they can be equally comfortable in a pure IT or business environment or any mixture of the two. Graduates can also proceed to postgraduate studies.



## Stephen Ryan Business & IT

"I chose this course as graduates with skills in both Business and IT are in high demand worldwide. Business graduates can go on to work in many different sectors including Accounting & Finance, Marketing, HR and Consultancy.

The course covers many aspects of Business and IT which makes the course very interesting. The campus has great facilities including a fully equipped gym that is free for all students.

The staff and lecturers are always on hand to offer advice and encouragement while pushing you to reach your potential.

I have really enjoyed my time studying at ITB. I was fortunate to be offered a job with IBM when I graduated".



## GOOD TO KNOW

The Business and IT programme incorporates the latest commercial approaches, tools and software that allows graduates to work effectively in industry. This makes it very appealing to potential employers.

The programme also contains an annual seminar in which industry representatives come to ITB to talk to the students and deliver industry briefings.





# BACHELOR OF BUSINESS IN INFORMATION TECHNOLOGY

CAO Code BN010

Duration: 3 years

Award Title: Bachelor of Business

NFQ Level: 7

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

# BACHELOR OF BUSINESS (HONOURS) IN INFORMATION TECHNOLOGY

CAO Code BN103

Duration: 4 years

Award Title: Bachelor of Business (Honours)

NFQ Level: 8

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) grades or four Higher 7 (H7) to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

BN010 Bachelor of Business in Information Technology – Year 1, Year 2 and Year 3

BN405 Bachelor of Business (Honours) in Information Technology – Year 4

OR

BN403 Bachelor of Business (Honours) – Year 4



COURSE CONTENT

The Business with Information Technology courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Accounting	Financial Accounting	Financial Management	IT Project 2 – Implementation
Business Mathematics and Statistics 1 and 2	Systems Analysis	Object Oriented Analysis and Design	Project Management
Exploring Modern Enterprises	Principles of Marketing	Organisational Behaviour	Business Research Methods
Business Information Systems	Interactive Web Site Design	Mobile Applications	Advanced Databases for Business
Fundamentals of Economics: Micro Economics	Object Oriented Programming 1 and 2	Digital Marketing	IT Project 1 – Analysis and Design
Exploring Web Design	Operations and Technology Management	Server Side Web Development	Business Intelligence
Skills for Success in Higher Education	Introduction to Management and Cost Accounting	Management Accounting 2	Process Analysis
Skills for Problem Solving	Systems Design	Web Application Frameworks	<b>Electives - Semester 1:</b> Strategic Management 1 or Financial Information Analysis Note: One elective must be selected. <b>Electives - Semester 2:</b> Managing Service Quality and Customer Relationships or Strategic Management 2 or Business Strategy or Strategic Management of Information Systems. Note: Two electives must be selected.
Fundamentals of Economics: Macro Economics	Marketing Communications	Human Resource Management	
Leading Modern Enterprises	Information Management	Electronic Business	
	Databases for Business	Business Law	
		Enterprise Development	

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*

INTERNATIONAL BUSINESS

IS THIS FOR YOU?

Anyone who likes business but is also extrovert and adventurous, with an interest in communicating and engaging with other cultures, should jump at the opportunity to study International Business at home and abroad. It will help you feel confident and at home in any business anywhere in the world, reducing the barriers to travel and opening a world of career opportunities to you at home and overseas.





## Victoria Nestor International Business

“I chose this course because I could continue with the second language I started studying in school. Languages are a big component of the International Business course, for example I am doing French so I got the chance to learn its culture, traditions and even understand the worldwide business context. The best thing about my course is the high number of different subjects you undertake.

Another thing about my course is that you get the chance to travel abroad during the programme. I was in Canada for one semester which was the most fantastic experience I have ever had. I got the opportunity to meet many people from around the world, experience different cultures and visit different cities in Canada.

International Business is a great course if you like the idea of travelling around the world, it has the Erasmus/ International Credit Mobility programme in third year. There are a number of countries you can go and study in for one semester or for the full year.”



## GOOD TO KNOW

ITB recommends that students spend at least one summer in a country of their language choice or participate in the Erasmus + programme. ITB currently has links with partner colleges in France, Canada, Germany and Spain. Please note that an award cannot be conferred immediately following return from an Erasmus study period. Students must complete the 4th year in order to be conferred.

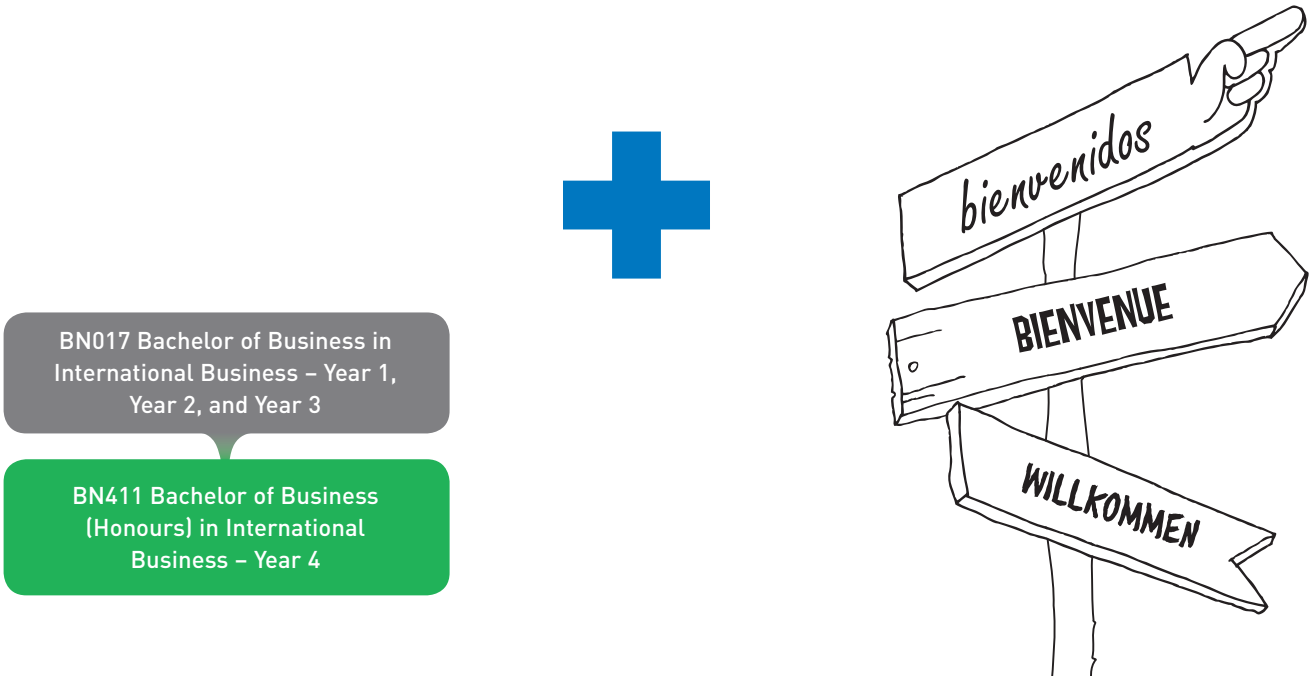


- According to the Expert Group on Future Skills Needs (EGFSN) there is a critical need to improve sales skills and foreign languages to meet employers' needs in exporting companies.
- This study estimates that 2,200 job opportunities will arise within exporting companies.
- The School of Business recently hosted a seminar on Brexit which discussed the position of the Irish Government, the position of the British Irish Chamber of Commerce and the support available from Enterprise Ireland.

# BACHELOR OF BUSINESS IN INTERNATIONAL BUSINESS

CAO Code BN017

Duration: 3 years	Award Title: Bachelor of Business	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award.



# BACHELOR OF BUSINESS (HONOURS) IN INTERNATIONAL BUSINESS

CAO Code BN110

Duration: 4 years	Award Title: Bachelor of Business (Honours)	NFQ Level: 8
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.





COURSE CONTENT

The Bachelor of Business in International Business courses will cover the following subject areas:

YEAR 1	YEAR 2
Accounting	Financial Accounting
Fundamentals of Economics: Micro Economics	Electronic Commerce
Exploring Modern Enterprises	Principles of Marketing
Business Information Systems	European Studies
Business Mathematics and Statistics 1 and 2	<b>Group Elective 1:</b> French for Business 2a or German for Business 2a or Spanish for Business 2a**
<b>*Elective 1:</b> French PLC 1a or French Ab-Initio 1a or Spanish Ab-Initio 1a or Spanish PLC 1a or German Ab-Initio 1a or German PLC 1a or English for Academic Purposes 1	<b>Group Elective 2:</b> French Language, Culture and Society 2a or German Language, Culture and Society 2a or Spanish Language, Culture and Society 2a**
Skills For Success in Higher Education	<b>Group Elective 3:</b> English for Business Purposes 1 and Traditional Irish Culture and Society†
Fundamentals of Economics: Macro Economics	Introduction to Management and Cost Accounting
Leading Modern Enterprises	Information Management
<b>*Elective 2:</b> French PLC 1b or French Ab-Initio 1b or Spanish Ab-Initio 1b or Spanish PLC 1b or German Ab-Initio 1b or German PLC 1b or English for Academic Purposes 2	International Economic and Public Policy
<i>*Where students already have native speaker competence in a language which may be used for international business, students may choose to take the English for Academic Purposes electives in Year 1. Students who take French, German or Spanish in Year 1 are required to continue with this language for the duration of the programme.</i>	Marketing Communications
	<b>Group Elective 1:</b> French for Business 2b or German for Business 2b or Spanish for Business 2b**
	<b>Group Elective 2:</b> French Language, Culture and Society 2b or German Language, Culture and Society 2b or Spanish Language, Culture and Society 2b**
	<b>Group Elective 3:</b> English for Business Purposes 2 and Contemporary Irish Culture and Society†
	<i>**Students who have chosen a language elective (French, German, Spanish) in Year 1 must take an elective from Group Elective 1 and an elective from Group Elective 2 in year 2</i>
	<i>†Students who have chosen English for Academic Purposes in Year 1 must take both modules from Group Elective 3</i>

Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.

YEAR 3	YEAR 4
<i>Note: Students on Year 3 of these programmes have 4 options: Spend both Semester 1 and Semester 2 abroad on Erasmus Studies <b>or</b> Semester 1 in ITB and Semester 2 abroad on Erasmus Studies <b>or</b> both Semester 1 and Semester 2 in ITB <b>or</b> Semester 1 abroad on Erasmus Studies and Semester 2 in ITB</i>	
Semester 1 in ITB	Semester 1
Financial Management 1	International Selling and Sales
Business Systems Analysis	Cross Cultural Management
Organisational Behaviour	<b>Group Elective 1:</b> French for Business 4a or German for Business 4a or Spanish for Business 4a
Creativity, Innovation and Entrepreneurship	<b>Group Elective 2:</b> French Language - Culture and Society 4a or German Language - Culture and Society 4a or Spanish Language - Culture and Society 4a
<b>*Group Elective 1:</b> French for Business 3a or German for Business 3a or Spanish for Business 3a	<b>Group Elective 3:</b> Project Management or Strategic Human Resource Management or Business Research Methods or Digital and Contemporary Marketing Practice or Business Ethics or Financial Information Analysis
<b>*Group Elective 2:</b> French Ab-Initio or Spanish Ab-Initio or German Ab-Initio or Global Business Environment or Operations Management*	
Semester 2 in ITB	Semester 2
Business Law	Global Marketing
Human Resource Management	Business Strategy
Databases for Business	<b>Group Elective 1:</b> French for Business 4b or German for Business 4b or Spanish for Business 4b
Intercultural Studies for the Export Market	<b>Group Elective 2:</b> French Language – Culture and Society 4b or German Language – Culture and Society 4b or Spanish Language – Culture and Society 4b
<b>*Group Elective 1:</b> French for Business 3b or German for Business 3b or Spanish for Business 3b	<b>Group Elective 3:</b> Business Intelligence, Business Project, Strategic Management of Information Systems, Supply Chain Management, Service Marketing Management, Corporate Social Responsibility
<b>*Group Elective 2:</b> French Ab-Initio 3b or Spanish Ab-Initio 3b or German Ab-Initio 3b or Operations Management or Enterprise Development	

*\*Students who have chosen a language elective (French, German, Spanish) must take one module from Group Elective 1 and one module from Group Elective 2. Students on the English language speaking stream must choose two modules from Group Elective 2. Operations Management runs across both Semester 1 and Semester 2.*

Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.

# ACCOUNTING AND FINANCE

## IS THIS FOR YOU?

Designed to meet the needs of both learners seeking a high-powered career in accounting and finance, the scope of this programme will allow the graduate to move into a whole range of careers in industry accounting firms, commerce and the financial sector.

Graduates can apply for generous exemptions from the professional accountancy bodies including ACA, ACCA, CIMA, ICPAI and AITI.

## GOOD TO KNOW

- The Irish Government's International Financial Services Strategy has an ambitious target to create 1,000 new jobs in the sector by 2020.
- The National Skills Bulletin indicates a short supply of high level financial skills.
- Some of the world's top banks have a presence here in Ireland.



Emma Dawson  
Graduate of Bachelor of  
Business (Honours)

*Accountant, Crowleys DFK*

"The Accounting degree didn't exist when I studied at ITB, so there was a significant element of accountancy in my Business degree which I enjoyed and I feel this is what made my decision for choosing the career I did. During my time at ITB, I was always closely involved with the Students' Union.

I was the Vice President of the Students' Union in my third year at ITB. I think it is really important to get involved with the Students' Union as it makes your college years more fulfilled. It is also a great way of meeting new people/ making new friends that are outside your course."





# BACHELOR OF BUSINESS (HONOURS) IN ACCOUNTING AND FINANCE

CAO Code BN114

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Business (Honours)

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

## COURSE CONTENT

The Accounting and Finance course will cover the following subject areas:

YEAR 1	YEAR 2
Accounting	Introduction to Management and Cost Accounting
Fundamentals of Economics: Micro Economics	Human Resource Management 1 and 2
Skills for Success in Higher Education	Electronic Commerce
Exploring Modern Enterprises	Principles of Marketing
Business Mathematics and Statistics 1 and 2	Business Law
Leading Modern Enterprises	Information Management
Business Information Systems	Financial Accounting
Fundamentals of Economics: Macro Economics	Marketing Communications
<b>Electives – Semester 1:</b> French PLC 1a or French – Ab Initio 1a or Spanish – Ab Initio 1a or Spanish – PLC 1a or German – Ab Initio 1a or German – PLC 1a or Irish Culture and Society <i>Note: One elective must be selected.</i>	<b>Electives - Semester 1:</b> French for Business 2a or Spanish for Business 2a or German for Business 2a or European Studies <i>Note: One elective must be selected</i>
<b>Electives – Semester 2:</b> French PLC 1b or or French – Ab Initio 1b or Spanish – Ab Initio 1b or Spanish – PLC 1b or German – Ab Initio 1b or German – PLC 1b or Applied Media Studies in Business. <i>Note: One elective must be selected. The same language elective option must be selected in semester 2 as that of semester 1.</i>	<b>Electives - Semester 2:</b> French for Business 2b or German for Business 2b or Spanish for Business 2b or Sustainable Business Practice <i>Note: One elective must be selected</i>

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



Zorica Dragovic  
Accounting and Finance

What attracts me to this course is an opportunity to work in a wide range of organisations : industry, practice, public and financial sector. The course offers a wide range of subjects which gives you a solid knowledge and it will prepare you for your future career.

The size of the class group is reatively small, so students have a greater level of contact with their lecturers.

The course is challenging but rewarding. I would advise this course to anybody who has an interest in Accounting & Finance.

As for myself, I received the Student of the Year Award based on academic performance.

YEAR 3	YEAR 4
Financial Accounting: Preparation and Interpretation of Accounts and Accounting Regulation	Group and Company Accounting
	International Accounting Standards
Management Accounting: Cost Accumulation, Planning and Control	Company Law
Financial Management 1	Strategic Management Accounting
Income Tax and VAT	Personal Finance
Introduction to Auditing	Financial Management 2
Computerised Accounting	Corporate Social Responsibility
Intermediate Accounting	Business Ethics
Advanced Financial Accounting	Business Strategy
Management Accounting: Decision Making and Performance Measurement	<b>Electives – Semester 1:</b> Project Management or Capital Acquisitions and Capital Gains Tax or German for Business 4a or French for Business 4a or Spanish for Business 4a or Work Placement <i>Note: One elective must be selected</i>
Income Tax and Corporation Tax	
<b>Electives – Semester 1:</b> Business Systems Analysis or Operations Management or German for Business 3a or French for Business 3a or Spanish for Business 3 <i>Note : One elective must be selected</i>	
<b>Electives – Semester 2:</b> Databases for Businesses or German for Business 3b or French for Business 3b or Spanish for Business 3b <i>Note: One elective must be selected</i>	<b>Electives – Semester 2:</b> Global Marketing or Process Analysis or Advanced Taxation or German for Business 4b or French for Business 4b or Spanish for Business 4b or Supply Chain Management or Business Intelligence <i>Note: Two elective musts be selected</i>

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*

GRADUATES ARE GRANTED  
GENEROUS EXEMPTIONS  
FROM THE EXAMINATIONS OF  
PROFESSIONAL ACCOUNTANCY  
BODIES.

Current exemptions include:

1. Chartered Accountants Ireland (ACA): Full exemption from CAP 1 examination for 2.2 Honours graduates. Based on students obtaining 50 % or more in examinations of relevant subjects.
2. Association of Chartered Certified Accountants (ACCA): Exemption from F1, F2, F3, F4, F5, F6, F7,and F9 at fundamental level.
3. Chartered Institute of Management Accountants (CIMA): Exemption from C1, C2, C3, C4, C5, P1, F1, E1. P2, F2,
4. Institute of Certified Public Accountants in Ireland (ICPAI): Formation Levels: Full exemption; Professional Level 1: Auditing, Managerial Finance. Based on students obtaining 50% or more in examinations of relevant subjects
5. Irish Tax Institute (AITI): exemption from Accounting and Law Part 1

**Note: All exemptions awarded are subject to annual review and revision by the various professional bodies and are based on students achieving clear passes in completion of specific modules.**

BACHELOR OF BUSINESS – COMMON ENTRY

CAO Code BN016

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

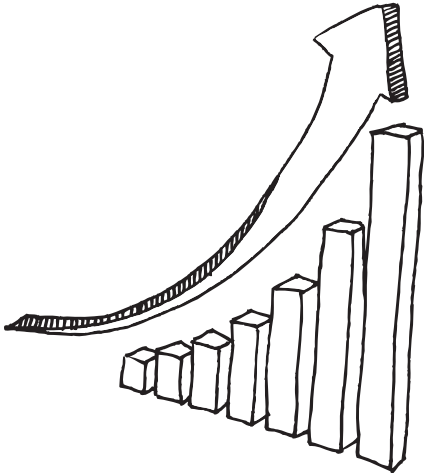
**Award Title:** Bachelor of Business or Bachelor of Business in Information Technology or Bachelor of Business in International Business or Bachelor of Business in Accounting and Finance or Bachelor of Arts in Digital Marketing.

**Leaving Certificate Entry Requirements:**  
A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

NFQ Level: 7

**QQI-FET (FETAC) Entry Requirements:**  
Any full Level 5 or 6 award.

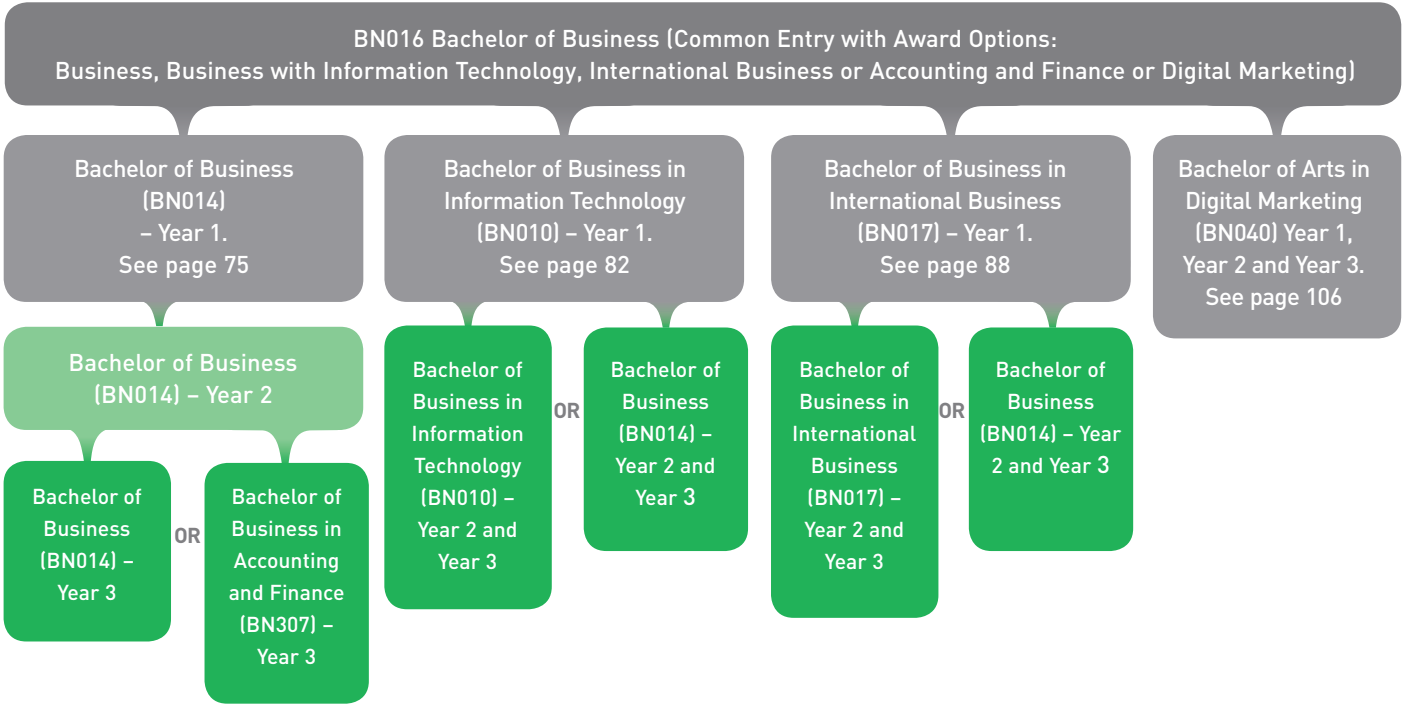
**Transfer at Commencement of the Course:**  
Year 1 of Bachelor of Business (BN014) or Year 1 of Bachelor of Business in Information Technology (BN010) or Year 1 of Bachelor of Business in International Business (BN017) or Year 1 of Bachelor of Business in Accounting and Finance (BN023) or Year 1 of Bachelor of Arts in Digital Marketing (BN040).





SPECIAL REGULATIONS

1. Students who apply for this course will be offered a choice of four streams at the commencement of first year. Students can opt for Year 1 of the Bachelor of Business (BN014) or Year 1 of the Bachelor of Business in Information Technology (BN010) or Year 1 of the Bachelor of Business in International Business (BN017) or Year 1 of the Bachelor of Arts in Digital Marketing (BN040). This choice will be made at the beginning of first year.
2. Depending on the choice of stream taken in first year students opting for the Information Technology electives in first year will have a choice of the Business and Information Technology stream (BN010) or the General Business stream (BN014) in second and subsequent years.
3. Depending on the choice of stream taken in first year, students opting for the Language Electives in first year will have a choice of the International Business stream (BN017) or the General Business stream (BN014) in second and subsequent years.
4. The Accounting and Finance stream will only be available at the commencement of Year 3 but to undertake this particular stream, students must undertake the General Business Stream (BN014) in Year 1 and Year 2.



BACHELOR OF BUSINESS (HONOURS) – COMMON ENTRY

CAO Code BN109

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

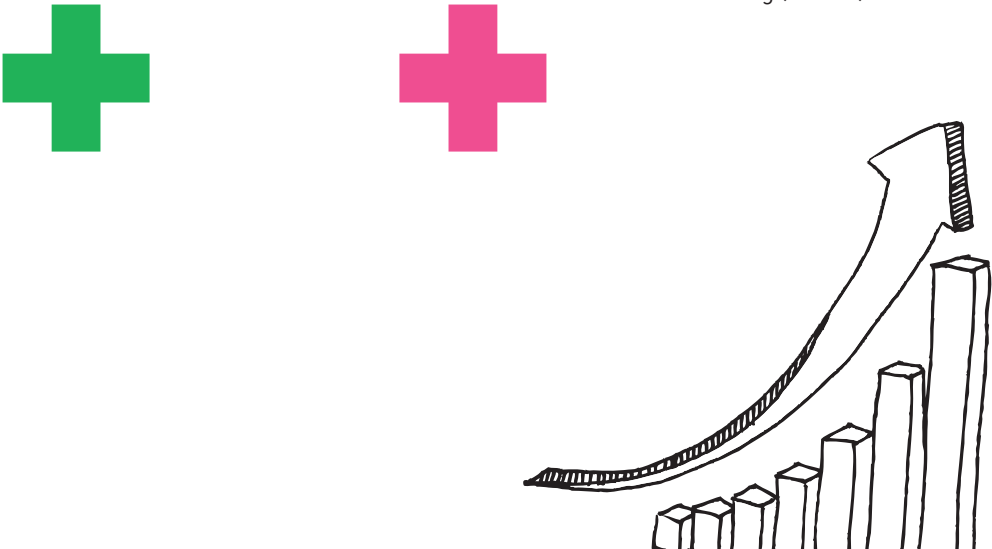
**Award Title:** Bachelor of Business (Honours) or Bachelor of Business (Honours) in Information Technology or Bachelor of Business (Honours) in International Business or Bachelor of Business (Honours) in Accounting and Finance or Bachelor of Arts (Honours) in Digital Marketing

NFQ Level: 8

**QQI-FET (FETAC) Entry Requirements:** Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

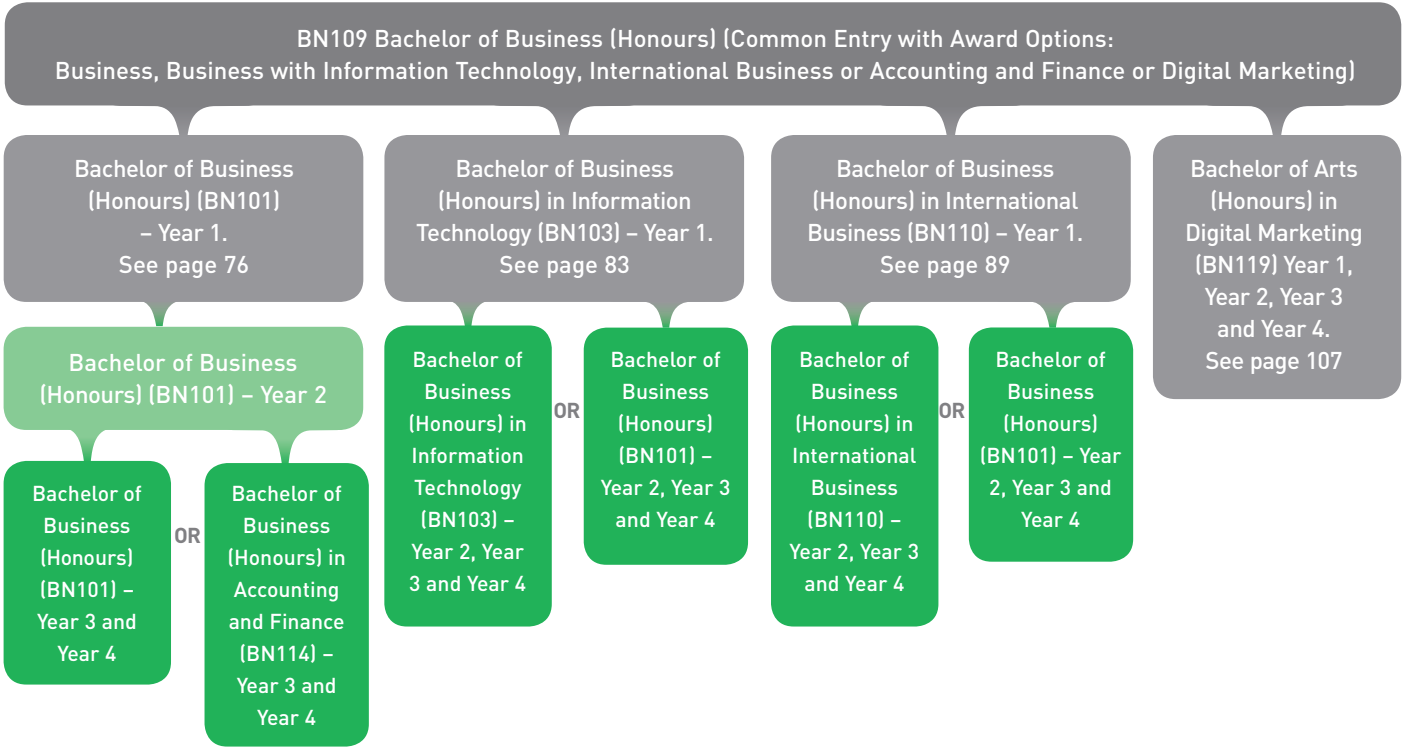
**Transfer at Commencement of the Course:** Year 1 of the Bachelor of Business (BN014) or Year 1 of the Bachelor of Business in Information Technology (BN010) or Year 1 of the Bachelor of Business in International Business (BN017) or Year 1 Bachelor of Business in Accounting and Finance (BN023) or Year 1 Bachelor of Arts (Honours) in Digital Marketing (BN119)

**Leaving Certificate Entry Requirements:** A pass in six subjects with two Higher 5 (H5) grades and found Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.



SPECIAL REGULATIONS

1. Students who apply for this course will be offered a choice of four streams at the commencement of first year. Students can opt for Year 1 of the Bachelor of Business (Honours) (BN101) or Year 1 of the Bachelor of Business (Honours) in Information Technology (BN103) or Year 1 of the Bachelor of Business (Honours) in International Business (BN110) or Year 1 of the Bachelor of Arts (Honours) in Digital Marketing (BN119). This choice will be made at the beginning of first year.
2. Depending on the choice of stream taken in first year, students opting for the Language Electives in first year will have a choice of the International Business stream (BN110) or the General Business stream (BN101) in second and subsequent years.
3. Depending on the choice of stream taken in first year students opting for the Information Technology Electives in first year will have a choice of the Business and Information Technology stream (BN103) or the General Business stream (BN101) in second and subsequent years.
4. The Accounting and Finance stream will only be available at the commencement of Year 3 but to undertake this particular stream, students must undertake the General Business Stream (BN101) in Year 1 and Year 2.







# DIGITAL MARKETING

## WHAT


Digital Marketing is marketing for the modern connected consumer. New and emerging digital technologies have changed the face of marketing as businesses and brands now recognise the value of having an active on-line presence to reach new customers alongside their off-line marketing activities.

Marketing is the discipline of understanding how and why consumers buy products and services and using those insights to satisfy consumer wants and needs.

Digital Marketing combines traditional marketing with the latest digital tools and media to help businesses reach, connect and promote their products to a wider audience using strategies that inform, captivate and engage.

## WHY

Our Digital Marketing degree at ITB integrates theory and practical marketing to prepare you for this exciting and evolving industry.



From Year 1 you will engage with real clients and acquire practical skills like website design, social media application for business and a thorough understanding of the industry landscape. In Year 3, you will undertake a placement to apply what you have learned within a professional environment. In Year 4 of this degree, you will receive a full client brief to answer using the knowledge and experience you have gained throughout the course. Studying with the team here at ITB gives you a comprehensive third level specialisation focusing on consumer behaviour, marketing communications, brand management and digital technology implementation.

### WHO

Digital marketing appeals to the curious, the creative and those with an interest in consumer behaviour, communication and marketing. Do you wonder why some brands become global icons? Do you want to use your creativity to connect with online communities across social media? Would you like to be the bright spark behind the next big digital marketing trend? If the answer is yes, then a degree in Digital Marketing could be the course for you.

### HOW

Studying Digital Marketing at ITB gives you the benefit of applied learning and experienced lecturers helping you build the skills and real world experience you need to be successful in the dynamic world of marketing.



The practical aspect of taking what you learn on campus and applying it within a digital marketing agency or marketing department will give you an impressive CV and the edge over other graduates entering the job market.

### CAREER PROSPECTS

There are many exciting career opportunities for Digital Marketing graduates as the demand for skilled professionals with a relevant third level qualification steadily increases. Students will be equipped to work with employers such as multinational tech giants like Google, Facebook and LinkedIn to dynamic digital advertising and marketing agencies that are multiplying both here and abroad.

Digital Marketing graduates tend to enjoy versatile and rewarding roles from Social Media Specialists to Digital Account Directors, Digital Marketing Managers to Web Designers, SEO Consultants to Digital Planners and Advertising Creatives.



Niamh Keogh  
Digital Marketing

“I found out about this course when I was looking through the CAO web site ([www.cao.ie](http://www.cao.ie)) and it instantly appealed to me. ‘I had done a post leaving course and I just wasn’t sure what my next step would be. I knew I wanted to go on and do a degree and I soon as I saw the new degree in Digital Marketing I knew it was the one for me. It is one of the only degrees in Dublin dedicated to Digital Marketing. Once I reviewed the course content I knew it was going to be my top choice on the CAO.

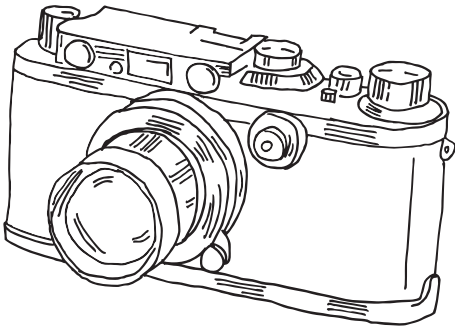
I have really enjoyed my first year – we did a lot of continuous assessments and I have met some really nice people on the course. I can’t wait to start the second year. and I think I have great career prospects because I am doing a course I really like and the industry has huge opportunities for graduates with the right qualifications.”



## BACHELOR OF ARTS IN DIGITAL MARKETING

CAO Code BN040

Duration: 3 years	Award Title: Bachelor of Arts	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award.



## BACHELOR OF ARTS (HONOURS) IN DIGITAL MARKETING

CAO Code BN119

Duration: 4 years	Award Title: Bachelor of Arts (Honours)	NFQ Level: 8
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.	QQI-FET (FETAC) Entry Requirements: A full Level 5 or 6 award and including a distinction grade in at least 3 modules.

BN040 Bachelor of Arts in Digital Marketing – Year 1, Year 2 and Year 3

BN424 Bachelor of Arts (Honours) in Digital Marketing – Year 4

COURSE CONTENT

The Digital Marketing courses will cover the following subject areas:

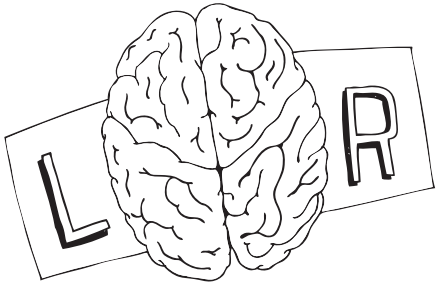
YEAR 1	YEAR 2
Introduction to Digital Marketing	Web Authoring
Fundamentals of Marketing 1	Statistics for Marketing Purposes
Modern Management	Law and the Regulatory Environment
Skills for Success in Higher Education	Digital Technologies
Digital Media for Marketing	Advertising and Communications
Exploring Web Design	Financial Planning
Social Media for Business	Public Relations
Marketing Information Management	Online Advertising
Fundamentals of Marketing 2	Databases for Marketing
Introduction to Writing for Marketing	Consumer Behaviour
<b>Electives – Semester 2:</b> Applied Media Studies for Business or English for Academic Purposes 2 or Universal Design or Skills for Problem Solving Note: One elective must be selected	<b>Electives – Semester 1:</b> Human Resource Management 1 or Visual Design Fundamentals or English for Business Purposes 1 Note: One elective must be selected
	<b>Electives – Semester 2:</b> Sustainable Business Practice or Social Psychology or English for Business Purposes 2 Note: One elective must be selected

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



YEAR 3	YEAR 4
*Work Placement	Business Intelligence
Multichannel Services Marketing Management	Market Dynamics: Assessment and Anlysis
Brand Management	Marketing Strategy 1
<b>*Electives - Semester 1</b> Professional Project, Global Business Environment and Creativity, Innovation and Entrepreneurship	Marketing Ethics and Society
Market Research: Quantitative Methods	Strategic Marketing Technologies
Market Research: Qualitative Methods	Data Mining
Marketing Management	Consumer Journey Mapping and Service Design
Effective Writing for Marketing	Marketing Strategy 2
Online Selling and Sales Marketing	Information for Decision Making
<b>Electives – Semester 2</b> Electronic Business or Enterprise Development <i>Note One elective must be selected</i>	<b>Electives – Semester 1:</b> Project Management or Strategic Management 1 or International Selling and Sales or Cross Cultural Management or Marketing Consultancy Project 1 <i>Note One elective must be selected</i>
	<b>Electives- Semester 2:</b> Global Marketing or Supply Chain Management or Strategic Management 2 or Business Strategy or Marketing Consultancy Project: Phase 2 <i>Note Two electives must be selected unless you select Marketing Consultancy Project: Phase 2, you need only complete this one elective</i>

*\*Students that cannot undertake Work Placement will take the 3 electives in Semester 1 Year 3*  
*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*







# SPORTS MANAGEMENT AND COACHING

## WHAT

The course is designed to teach all the skills of sports management and coaching techniques, combined with the fundamentals of business and enterprise.

## WHERE

It offers a wide range of career choices from coaching and training for all ages, to sports development management and marketing of sportspeople, events or facilities and even the opportunity to set up your own business in sports, fitness and leisure.

## WHO

It's perfect for sports enthusiasts who are interested in business and business enthusiasts who are passionate about sports. So if you're fit and active with good people skills and an interest in sport and business, then this is the course for you.

## HOW

This is a comprehensive academic programme covering all aspects of sport and sport science plus finance, marketing, management, IT and event management which enables graduates to work effectively in Sports Management and Coaching environments. State of the art 4th generation artificial playing surface, a fully equipped gym, large sports hall, video performance analysis laboratory and a high performance training coaching space all contribute to its excellence. An emphasis on personal development and a degree of independent learning combined with teamwork will prepare you for a successful career in whatever aspect of this far-reaching sector takes your fancy.

Students on this course can obtain REPS (Register of Exercise Professional) accreditation as part of their studies.

## GOOD TO KNOW

- Each year there is an opportunity for graduates of the Bachelor of Arts (Honours) in Sports Management and Coaching to apply for a paid internship working in the ITB Sports Office as part of the Student Services team.
- Sports Management and Coaching students provide fitness support to the senior and under 19 teams of Bohemians FC in the Airtricity League Season



### Sonny Hunt Graduate of Sports Management & Coaching Honours Degree

*Owner at [sonnyhuntfitness.com](http://sonnyhuntfitness.com)  
Health & Fitness Coaching*

"I thoroughly enjoyed my time studying at ITB. I chose this course as I have played sport all my life and I had an interest in setting up my own business. The 50/50 sport and business breakdown of modules suited me perfectly.

ITB has a great sense of community and the lecturers are extremely approachable and helpful. I have made life long connections with both my class mates and lecturers.

When I graduated from this course I decided to set up my own online business. The broad range of subjects have really stood to me as I gained the relevant knowledge and experience required for working as a health and fitness coach. To this day I still transfer everything that I learned while studying for the four years into my personal and business life."

## SPORTING PROWESS PROGRAMME

In developing the suite of Sports Management courses, ITB wishes to provide an opportunity to students who display particular sporting prowess to participate on this course. It is planned to reserve up to 10% of available places for such students. Students must apply to the CAO in the usual manner and then make a separate application to ITB via the relevant sporting national or regional body.

Applicants must meet the minimum entry requirements for the course but there will be up to 50 points available at interview which will be added to the applicants Leaving Certificate or QQI-FET (FETAC) points total. Offers of places to successful applicants will be made by the CAO in the normal way. Application forms are available on the ITB website ([www.itb.ie](http://www.itb.ie)) and must be submitted by 1st March.





## Rebecca Hanratty

### Sports Management and Coaching

"I chose this course because of my family background in business and my passion for sport. The practical classes give you valuable experience and allows people to continuously improve and excel in the industry after ITB. For example as part of the performance analysis module, I used software such as Dartfish to analyse games. The Personal Training module allowed me to put what I learned in year 1 and 2 into practice.

The lecturers have a great understanding and are very supportive. They have all worked in the industry and they practice what they preach. During my time in ITB I have made amazing friends and will have great memories for the rest of my life.

I would recommend this course to anybody who has an interest in business and have a passion for sport."

## BACHELOR OF ARTS IN SPORTS MANAGEMENT AND COACHING

CAO Code BN020

**Duration:** 3 years

### Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

**Award Title:** Bachelor of Arts

### Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

**NFQ Level:** 7

### QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

### Additional Requirements:

Garda Vetting see page 166.

### Special Requirements:

All prospective students must be aware that the course content requires a high degree of physical capability due to high activity content.



BN020 Bachelor of Arts in Sports Management and Coaching – Year 1, Year 2 and Year 3

BN412 Bachelor of Arts (Honours) in Sports Management and Coaching – Year 4

# BACHELOR OF ARTS (HONOURS) IN SPORTS MANAGEMENT AND COACHING

CAO Code BN111

Duration: 4 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Arts  
(Honours)

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

NFQ Level: 8

QQI-FET (FETAC) Entry Requirements:

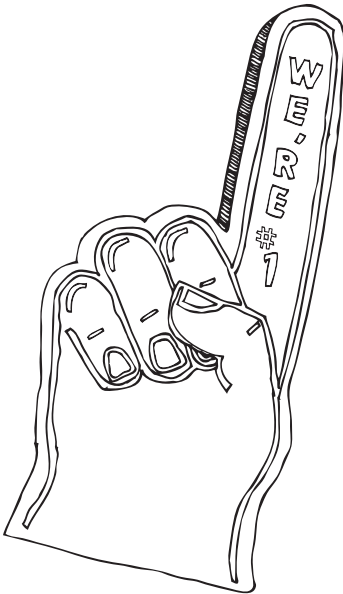
A full Level 5 or 6 award and including a distinction grade in at least 3 modules.

Additional Requirements:

Garda Vetting see page 166.

Special Requirements:

All prospective students must be aware that the course content requires a high degree of physical capability due to high activity content.



## COURSE CONTENT

The Sports Management and Coaching courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Coaching Theory and Practice 1	Coaching and Exercise Psychology 1 and 2	Introduction to Adapted Physical Activity	Sports Management and Coaching Research Project - Theory
Long Term Athlete Development 1 and 2	Speed and Agility	Plyometrics and Olympic Lifts 1	Applied Performance Analysis
Anatomy and Physiology 1 and 2	Exercise Physiology 1 and 2	Nutrition	Elite Coaching
Contemporary Sports Management 1 and 2	Sports Marketing 1 and 2	Sports Club Operations Management	Sports and Leisure Event Management
Accounting for Non-Accountants	Cost Benefit Analysis and Decision Making	Professional Skills and Life Coaching	Elite Sports Development
Business Information Systems	Information Management	Selling and Sales Management	<b>Electives Semester 1:</b> Personal Training 2 or Strategic Planning <i>Note: One elective must be selected</i>
Coaching Children and Youths	Programme Development and Exercise Progression	Personal Training 1	
Skills for Success in Higher Education	Regulatory Environment	Performance Analysis	Applied Adapted Physical Activity
Introduction to Sports and Exercise Psychology	Electronic Commerce	Human Resource Management	Skills Acquisition
		Enterprise Development	<b>Electives Semester 2:</b> Practicum in Sports and Leisure Event Management or Sport Management and Coaching Research Project - Practice <i>Note: One elective must be selected</i> High Performance Speed and Conditioning Sports Participation Development
		Periodisation and Olympic Lifts 2	
		Financial Management	



**Graham Geraghty**

Graduate of Social and  
Community Development

(NOW KNOWN AS COMMUNITY  
AND YOUTH DEVELOPMENT)

"I am a former Meath GAA player and this is what originally took me to ITB as I was the coach for the college football team! When attending training sessions I saw at first hand the wonderful facilities in the College and this prompted me to study there. The reason I chose this course is because it offered a wide range of careers when completed. I was always interested in working in the community whether it was with children, teenagers or older adults.

If I was to give any young adult advice it would be - choose ITB for your education, it offers a wonderful homely and family atmosphere, you have easy access to lecturers and there is a good social aspect to the college life".



# COMMUNITY AND YOUTH DEVELOPMENT

**WHAT**

This programme is designed to provide students with the knowledge and experience to work in community and youth development work settings. Through a combination of classroom- based learning and fieldwork placements students will develop knowledge of the methods and approaches used in community, youth and related settings. These methods are used to work effectively with diverse groups in the community and to support positive social change.

**WHY**

On successful completion of this programme, graduates are equipped to seek employment in different areas of community development and youth work. Graduates can look forward to careers as community development workers, youth workers, programme co-ordinators, project workers, community educators, workers in justice diversion projects, probation service, school completion project workers and co-ordinators, information officers, community liaison officers in local authorities and evaluation and research officers.

Graduates may also be employed in a variety of sectors working with youth, marginalised or disadvantaged groups, ethnic minorities, social economy and enterprise projects. On completion of the programme graduates may gain employment in voluntary, statutory and private sector organisations or work with charities or non-governmental organisations (NGO's) at a national or international level

### WHO

If you're interested in working with communities and diverse groups of people including young people by empowering them to create positive change in their communities, then this is the course for you.

### HOW

The programme combines theory with hands on experience and practical skills. Students will be introduced to the study of community and youth development through lectures, tutorials, organisation visits and practical workshops. Students will complete two fieldwork placements designed to give them the opportunity to gain experience in different areas of community development and youth work.



### GOOD TO KNOW

Students spend two semesters on fieldwork placement which provides the opportunity to develop practice skills and gain knowledge and experience in community and youth work settings. This can lead to the creation of industry contacts for students which may be useful when seeking employment.

The course provides an inclusive learning environment where every person is valued and respected allowing them to develop an awareness of how to influence and change issues of concern to them.

### Feedback from Fieldwork Supervisors:

*"This was our first contact with students from ITB - it's obvious this is a great course."*

*"Great to see the students develop and be interested in their work, fully participate and be motivated."*

*"The students were flexible and enthusiastic."*



BACHELOR OF ARTS IN COMMUNITY AND YOUTH DEVELOPMENT

CAO Code BN025

Duration: 3 years

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Award Title: Bachelor of Arts

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

NFQ Level: 7

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

Additional Requirements

Garda Vetting – see page 166.

BN025 Bachelor of Arts in Community and Youth Development – Year 1, Year 2 and Year 3

BN415 Bachelor of Arts (Honours) in Community and Youth Development – Year 4





BACHELOR OF ARTS (HONOURS) IN COMMUNITY AND YOUTH DEVELOPMENT

CAO Code BN115

Duration: 4 years

Award Title: Bachelor of Arts (Honours)

NFQ Level: 8

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

Additional Requirements:

Garda Vetting – see page 166



Priscilla Bress  
Community and Youth Development

“I have chosen to do this course because I have been volunteering in the area of youth and community development in my local community in Ongar, Blanchardstown for about 7 years.

There have always been openings for jobs in this field which I am very passionate about but I did not have a qualification to apply for these jobs.

I found the lecturers very supportive especially as I came back as a mature student. The delivery of lectures was very encouraging so doing the assignments were a lot easier and most of the lectures were ready to help with more explanations in the topics where needed.

The work placements in the second and third years were very practical and related to the theory being taught in college.

I enjoyed my college life in ITB and the experience will remain with me for the rest of life. It has been a turning point in my life. It has increased my self-worth and confidence and a lot of openings for good job is forthcoming.






COURSE CONTENT

The Community and Youth Development Courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Introduction to Psychology	Psychological Perspective on Development	Principles of Human Rights	Advanced Research Methods and Practice
Fundamentals of Sociology	Introduction to Youth Work	Research Methods and Practice	Working With Families
Introduction to Culture	Communicating Across Language Barriers	Social Psychology	Combatting Racism
Principles of Community Development	Fieldwork Preparation	Advanced Community and Youth Development Practice	Youth Justice
Skills for Success in Higher Education	Substance Use and Addictive Behaviours within Youth Cultures	Social Entrepreneurship/Funding	<b>Electives – Semester 1:</b> Social Policy/Analysis or Sustainable Development or Community Mental Health or Management Skills <i>Note: Two electives must be selected</i>
Law Crime and Community		<b>Electives - Semester 1:</b> Language, Culture and Identity or Community Response to Drug Use or European Studies <i>Note: One elective must be selected</i>	
Irish Culture and Society			
Social Policy	Fieldwork		Dissertation
Introduction to Addictive Behaviours	Fieldwork Portfolio		
Group Dynamics and Development		Advanced Fieldwork	Power and Inequality
Community Arts		Advanced Fieldwork Portfolio	Global Development
Community and Youth Development Practice		Skills for Professional Practice	Adult and Community Education
			<b>Electives – Semester 2:</b> Advocacy and Community Organisation or Alcohol and Drugs Prevention Strategies for Youth or Conflict Resolution and Mediation <i>Note: One elective must be selected</i>



*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*

EARLY CHILDHOOD CARE AND EDUCATION

WHAT

On this course, you'll work with theory in disciplines such as psychology and sociology and its practical application through indoor and outdoor play, art, drama and music as you learn to make a difference in the years that count by understanding children, how they learn and how society shapes them.

WHY

There is a range of employment opportunities in early years settings such as pre-schools, crèches, nurseries, playgroups, primary schools and breakfast/homework clubs. Graduates could also practice in more specialist areas such as special needs services or early intervention projects and may be employed in the public, private or voluntary sectors or may go on to establish their own businesses. The degree also provides a solid foundation for postgraduate study.

## WHO

If you're interested in working with children, in finding out how children develop and learn, are eager to study different cultures, languages, and diversity in the world, and enthusiastic about making a difference in children's lives you will be ideally suited to this programme.

## HOW

The programme combines theory with hands on experience and practical skills. Students experience the variety of the early years sector through two placements in distinct early year settings providing the opportunity to link classroom learning with work based practice. Students are supervised throughout placement by an experienced early years practitioner as well as being given on-going support from an allocated college academic supervisor.



## GOOD TO KNOW

ITB have a dedicated early childhood practice room, which is a replica of an early childhood setting and which provides students with the opportunities to "try out" their learning in a real life early years environment.

Students spend two semesters on work placement in early years settings practicing their in-class learning in real life situations with children. This leads to the creation of industry contacts for students which can be beneficial when it comes to looking for employment.

This course uses varied assessment methods, for example creating a role play corner for children, observing children at play or designing a brochure for parents to inform them of developmental milestones for their children. The skills that students learn through this work can be used when working with children and their families.

"The evidence suggests that early education which emphasises the affective dimensions of learning and those cognitive skills associated with the planning and organisation of knowledge positively influences children's later academic development in terms of content knowledge and literacy and numeracy skills."

*Aistear – the Early Childhood Curriculum*





BACHELOR OF ARTS IN  
EARLY CHILDHOOD CARE AND EDUCATION

CAO Code BN030

Duration: 3 years

Award Title: Bachelor of Arts

NFQ Level: 7

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Leaving Certificate Entry Requirements:

A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation Level Mathematics at Grade F2 or higher counts as a subject towards the five passes.

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award.

Additional Requirements:

Garda Vetting – see page 166

BACHELOR OF ARTS (HONOURS)  
IN EARLY CHILDHOOD CARE AND EDUCATION

CAO Code BN118

Duration: 4 years

Award Title: Bachelor of Arts (Honours)

NFQ Level: 8

Entry Route into Programme:

- Leaving Certificate
- Mature grounds
- Special circumstances
- QQI-FET (FETAC) Graduates

Leaving Certificate Entry Requirements:

A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.

QQI-FET (FETAC) Entry Requirements:

Any full Level 5 or 6 award and including a distinction grade in at least 3 modules.

Additional Requirements:

Garda Vetting – see page 166.



BN030 Bachelor of Arts in Early  
Childhood Care and Education –  
Year 1, Year 2 and Year 3

BN418 Bachelor of Arts (Honours)  
in Early Childhood Care and  
Education – Year 4



COURSE CONTENT

The Early Childhood Care and Education course will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Child Development 1 and 2	Practice Placement	Advanced Practice Placement	Applied Child Psychology
Drama and Movement	Practice Placement Project	Advanced Placement Project	Curriculum Development
Sociology of Childhood	Psychology and Learning in Early Childhood	Language Acquisition	Child Protection: Policy and Practice in Early Childhood Services
Health and Wellbeing in the Early Years	Team and Group Dynamics in the Childcare Sector	Creative Group Facilitation for Young Children	Preparation for Dissertation
Child Centred Practice	Childhood and Social Policy	Legal Studies for Early Childhood Care and Education	<b>Electives Semester 1:</b> Creative Interventions for the Personal, Social and Emotional Development of Children or Children’s Rights: A National and International Perspective or Second Language Pedagogy or School Age Childcare <i>Two electives must be selected</i>
Skills for Success in Higher Education	Literacy and Numeracy	Professional Practice and Child Protection	
Art and Music	Outdoor Learning and Risky Play	Research Methods for the Early Years	
Social Institutions and the Early Years	Curriculum and Pedagogy	Equality and Diversity in Early Childhood	
Health and Safety in the Early Years			Social Justice in Early Childhood Care and Education
Early Learning			Family Studies
Early Childhood Curriculum			Dissertation
			<b>Electives Semester 2:</b> Leadership, Management and Mentoring or Curriculum Design <i>One elective must be selected</i>

Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.

Orlagh Mc Donald  
Early Childhood Care and Education

“I chose this particular course in ITB because I had an interest in working with children.

During my final year at ITB I was given an assignment to write and illustrate a children’s book which supported their social and emotional development.

I designed a book called ‘Sonas and Daithí’ which is about friendship and children starting in a new school. My book was chosen to be published by the Fingal County Libraries, which was such an amazing opportunity for me. It still feels surreal to be able to look up my name on the library catalogue and see my very own book come up in the search results. This opportunity would not have been possible without ITB. I discovered a love for drawing and writing which I did not have before. Having the book published has opened doors for me, including helping me to obtain a full time position as a preschool room leader. Thanks to ITB I now have something extra to put on my CV, something that stands out to potential employers as well as my level 8 degree in Early Childhood Care and Education.

I have made some great friends which makes the college experience even better as you get to share it with others whether it’s helping each other out with assignments, and most importantly enjoying the college life together.”







### Brendan Kelly

Graduate of Bachelor of Arts  
in Applied Social Studies in  
Social Care

“If you believe that applied social care is the career choice for you I would highly recommend the course at ITB. The diverse nature of the modules means that you will cover many aspects of social care. The lecturers in the course have many years of experience, both in lecturing and working within the social care field as well. They provide the students with invaluable insight and examples of good social care practice. What I enjoyed most about the course was the work placement. It is a fantastic way of seeing and applying all the knowledge and learning gained from the modules.

I have been successful in gaining employment in the social care sector.”



## APPLIED SOCIAL STUDIES IN SOCIAL CARE

### WHAT

The learning in this course helps you create change for and with others, while developing your own personal and professional skills. On this course, students learn how to help others while learning about themselves. This course helps you help others to plan for a positive and more independent future.

### WHY

Social Care graduates can practice as social care workers in a variety of work places, including residential and day services for children; agencies which work with people who are marginalised and disadvantaged; and residential and day services for those with a disability. Social care workers often progress with experience towards specialist and management roles. Many graduates also choose to complete further study in areas such as social work and child and family studies.

## WHO

Open-minded, pragmatic people who are interested in enabling change through support, advocacy and guidance. Our students are both school leavers and mature students returning to or continuing with education.

## HOW

For the duration of their course at ITB, students will study a wide and interesting variety of subjects across social care practice, psychology, sociology, and creative studies along with other subjects related to social care such as law, group working, health studies and intercultural studies. While on campus students can avail of our specially adapted social care training rooms where role-plays and interactive learning take place.

All students complete work placements in a social care setting enabling them to apply their academic knowledge to a working environment while developing their skills as a competent and innovative social care practitioner. Students are supervised by both an agency and a college supervisor to help them meet their learning goals. In ITB many of our team of lecturers have years of frontline experience in social care practice and related areas.

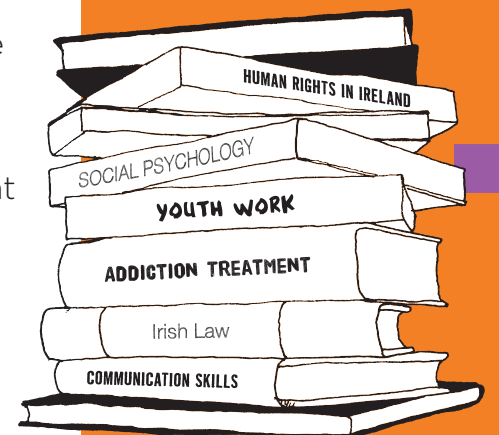


## GOOD TO KNOW

- There is now a Registration Board for Health and Social Care professions, so Social Care graduates of this course will be able to achieve statutory registration in their profession.
- The lecturing staff are active members of Social Care Ireland, the professional organisation for workers and teachers in the field.
- Many of our lecturers have contributed to the academic literature and are experts in their fields.
- You will spend two three month periods in 2nd and 3rd year on placement in social care agencies, experiencing what it is really like to work in this exciting, innovative and expanding area. This will also be an opportunity to meet future employers and to consider in what area you might like to work.

## THE DIFFERENCE BETWEEN A SOCIAL CARE PRACTITIONER AND A SOCIAL WORKER?

Social care practitioners will typically work in a direct person-to-person capacity with the users of services. They will seek to provide a caring, stable environment in which various social, educational and relationship interventions can take place in the day-to-day living space of the service user. The social worker's role is typically to manage the 'case', for example by arranging residential child care placement and co-ordinating case review meetings.





BACHELOR OF ARTS IN APPLIED  
SOCIAL STUDIES IN SOCIAL CARE

CAO Code BN011

Duration: 3 years	Award Title: Bachelor of Arts	NFQ Level: 7
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in five subjects (Ordinary level) to include Mathematics and English or Irish. A pass is Ordinary 6 (O6) or Higher 7 (H7) grade or higher. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the five passes.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award.  Additional Requirements: Garda Vetting see page 166.



BACHELOR OF ARTS (HONOURS)  
IN APPLIED SOCIAL STUDIES IN SOCIAL CARE

CAO Code BN107

Duration: 4 years	Award Title: Bachelor of Arts (Honours)	NFQ Level: 8
Entry Route into Programme: <ul style="list-style-type: none"><li>– Leaving Certificate</li><li>– Mature grounds</li><li>– Special circumstances</li><li>– QQI-FET (FETAC) Graduates</li></ul>	Leaving Certificate Entry Requirements: A pass in six subjects with two Higher 5 (H5) grades and four Ordinary 6 (O6) or four Higher 7 (H7) grades to include Mathematics and English or Irish. Foundation level Mathematics at Grade F2 or higher counts as a subject towards the six passes.	QQI-FET (FETAC) Entry Requirements: Any full Level 5 or 6 award area and including a distinction grade in at least 3 modules.  Additional Requirements: Garda Vetting see page 166.



COURSE CONTENT

The Applied Social Studies in Social Care courses will cover the following subject areas:

YEAR 1	YEAR 2	YEAR 3
Fundamentals of Psychology	Social Psychology	Abnormal Psychology
Fundamentals of Sociology	Social Policy for Social Care	Sociology and the Family
Skills for Success in Higher Education	Cultural Diversity and Intercultural Competence	Research Methods and Practice
Introduction to Disability Studies	Group and Team Dynamics in Social Care	Personal and Professional Development
Introduction to Creative Studies	Placement Preparation and Developing Competence for Social Care Practice	Advanced Professional Practice
Professional Practice – Context	Developing Professional Practice	Legal Studies – Application
Developmental Psychology	Legal Studies	Social Care: Advanced Placement Practice
Social Institutions in Irish Society	Social Care: Placement Practice	Reflective Practice Portfolio
Communication Structures and Skills		
Promoting Health and Wellbeing		
Professional Practice – Skills		
Creative Studies in Social Care Settings		



YEAR 4
Challenging Behaviour in the Social Care Sector
Advanced Research Methods and Practice 1
Leadership and Supervision in Social Care Practice
Contemporary Policy and Practice Issues in Social Care
<b>Electives - Semester 1:</b> Successful Ageing and Social Care Practice or Combatting Racism and Cultural Mediation or Issues and Practice in the Disability Sector <i>Note: Two Electives must be selected</i>
Child Protection, Practice and Policy
Advanced Research Methods and Practice 2
Management in Social Care Practice
<b>Electives - Semester 2:</b> Mental Health and Therapeutic Interventions or Understanding Substance Misuse or Advocacy in the Social Care Sector <i>Note: Two Electives must be selected</i>

*Note: The choice of electives are indicative and dependent upon learner demand and resource availability and may vary from year to year.*



Kellie Cunniffe  
Applied Social Studies in Social Care

I chose this course in ITB because I love working with people and helping in any way I can. I went to the open day and I knew then that ITB would be a good fit for me. The college grounds are not that big, the lecture halls are quite intimate and the lecturers are extremely helpful and they have first-hand experiences.

The 13-week placements really gives you a taster of what it's like. I knew from the placements that Social Care was my area and what I really want to do when I qualify.

If you're thinking of doing Social Care, I would recommend going to ITB to study. There is a heavy workload but the placements are fantastic and ITB has a great reputation in the industry. The lecturers are always there to help. The course is great, the people you meet, the knowledge you gain and the experience you get in ITB cannot be bought.

While on placement this year I was nominated for an award from the college for an intervention I did on placement with people with dementia. From there I came third and went on to compete in Irelands Best Young Entrepreneur, where I won my category in Cavan and went onto the National level but narrowly missed out on a prize. This course has made me realise that anything is possible, I came straight from school and never thought I'd ever be the recipient of an award never mind two. You don't have to be an A+ student, if you apply yourself doors will open and ITB helps bring out the best in you.



# OPEN + FRIENDLY

At ITB we believe in a new approach to sharing and teaching information designed to meet the learning needs of people living and working around us here in Blanchardstown.

This means that we're here to work with you and make sure that you get the best out of your time with us. So please, make sure that you use our marketing team and our network of staff to nurture you and help you get the most out of your time at ITB.

Contact us at [info@itb.ie](mailto:info@itb.ie) or 01 885 1530.

## WHERE WE ARE

### THE CAMPUS

ITB is located in Blanchardstown, a growing suburb of Dublin. It directly serves the greater Blanchardstown area and the north and west of Dublin city and county. Like other Institutes of Technology, it also draws students from neighbouring counties, such as Meath, Kildare, Cavan and Louth as well as from further afield.

ITB is located within the Business and Technology Park on Blanchardstown Road North. One of the most advanced third level institutions in the country, it is fully equipped with computer and electronic labs, lecture theatres with the latest audio-visual equipment and learning aids, fully equipped workshops, library, restaurants, sports hall, fitness centre, students' union area, automated banking facilities and parking for cars and bikes. Playing fields, which consist of a gaelic and soccer pitch, are located within the campus.

For more information about visiting the campus please see our website [www.itb.ie](http://www.itb.ie) or contact the Marketing and Development Unit Tel: (01) 885 1530, e-mail: [info@itb.ie](mailto:info@itb.ie).



## HOW TO GET HERE

### GPS co-ordinates for ITB are:

Latitude: 53.4051

Longitude: - 6.3779

Loc 8 code for ITB is NR8-09-SC7

**By road:** ITB is adjacent to two major national roads – the M50 and the Navan Road (M3) and is located approximately one mile from the Blanchardstown Shopping Centre. Driving time from the city centre is about 40 minutes, or more at peak times.

Car parking is permitted in designated spaces only. Cars parked elsewhere on campus will be clamped. Please check the ITB website for information on parking permits and pay and display. There are a number of disabled parking spaces which can only be used by those with disabled parking permits. Bicycle parking facilities are also provided.



**By rail:** Iarnróid Éireann's Western Suburban Rail service links the Blanchardstown area with the DART and other mainline rail services at Connolly Station.

**The train stations closest to ITB are:**

**Castleknock:**

located at Laurel Lodge, Castleknock

**Clonsilla:**

close to the Church of Ireland, Portersgate

**Coolmine:**

on the Carpenterstown Road

**By bus:** During the academic year ITB operates a shuttle bus service which links the ITB campus with Coolmine Train Station and the bus hub at the Blanchardstown Shopping Centre – see [www.itb.ie/shuttlebus](http://www.itb.ie/shuttlebus) for further details including the timetable.

A number of Dublin bus routes serve the Blanchardstown area. From city centre to Blanchardstown routes 38, 38A and 38B operate. Route 76 serves those travelling from Tallaght, Clondalkin and Balrothery to the Blanchardstown area. Route 40D serves those travelling from Dorset Street, Glasnevin and the Finglas area. Route 17A to Blanchardstown serves Finglas, Ballymun, Santry, Coolock and Kilbarrack. Local services include 17A, 220, 236 and 238 (these link the Blanchardstown Shopping Centre with the surrounding area). Further information and details can be obtained from the Dublin Bus website: [www.dublinbus.ie](http://www.dublinbus.ie).

Express bus currently run a route from city centre to the Ballycoolin Industrial Estate, check [www.expressbus.ie](http://www.expressbus.ie) for further details.



## WE ARE HERE TO HELP: SUPPORT SERVICES AVAILABLE TO STUDENTS

Getting the most out of your time at ITB is important, not only in terms of academic achievement but also in terms of developing life skills. We appreciate that education is part of your overall life experience. ITB is committed to providing caring supports to our students, to providing equal opportunity for students and to assist with their personal, medical and counselling needs as well as their academic welfare and career opportunities. There are a vast range of supports and facilities available to students. All registered ITB students receive a Student Handbook where details of student support services are outlined. If you require more information about any aspect of life here please contact the Marketing and Development Unit Tel: (01) 885 1530, e-mail: [info@itb.ie](mailto:info@itb.ie).

### THE ACCESS OFFICE

Entering third level education is an exciting step. It brings great changes and new opportunities, which should be available to all. The Access Office in the Marketing and Development Unit (Tel: (01) 885 1015) is responsible for promoting access to third-level education in ITB, in particular to groups which are currently under-represented.

We operate an Access Programme for School Leavers (REACH). For further details see "Applications under the ITB REACH Programme on page 164"

### THE STUDENT SERVICES OFFICE

The Student Services Office supports the progress of students generally throughout their time at ITB. The Student Services Office has a particular responsibility to facilitate students with special needs in whatever way possible and as far as funding and resources are available. This is an integral part of our undertaking to provide equality of opportunity in higher education.

The Student Services Office co-ordinates support for students with special needs so that barriers to access and participation are addressed. The emphasis of the service is to always respond to the needs of the individual. The supports available include the availability of specialised equipment and software located within an Assistive Technology Centre, the provision of and training in assistive technology, academic support and specific examination arrangements. There are also a number of funding supports made available to full-time registered students including:

- Student Hardship Fund
- Student Assistance Fund
- Disability Fund





Further details in regard to eligibility for these funds can be discussed after a student has officially registered on their course.

Other services available to all full-time students include:

HEALTH CENTRE

A full nursing service is available at a fully equipped medical centre throughout the academic year and a doctor visits the campus twice a week. These services are free of charge and totally confidential.

COUNSELLING SERVICE

From time to time, some students may experience difficulties with study or examinations, lack of confidence, self-esteem or personal issues such as bereavement, family concerns, depression or alcohol and drug problems. The student counselling service is a place to discuss and explore these issues which is free and confidential.

PROFILING OF ALL FIRST YEAR STUDENTS

Thanks to ITB’s on-going collaboration with the National Learning Network (NLN) Assessment Services, profiling is offered to all 1st year students following the development of a project web site ([www.howilearn.ie](http://www.howilearn.ie)) incorporating the Do-IT Profiler along with our online Learning Styles questionnaire.

The Do-IT Profiler helps to identify a person’s strengths and weaknesses in relation to cognitive processing in areas such as attention and concentration, memory, and language and communication. The students at ITB receive instant individual feedback including study tips and functional strategies to overcome any difficulties identified. The profiling tool also serves as an indicator for students who may require further assessment in relation to areas of difficulty.

PEER MENTORING PROGRAMME FOR FIRST YEARS

ITB offers a Peer Mentoring Programme to all incoming first years. The programme helps new students to settle into life at ITB so that they can fully enjoy and benefit from everything the college has to offer. Students meet with and learn from the experiences of students in ITB who have once been in their shoes. For further information see [www.itb.ie/peermentor](http://www.itb.ie/peermentor)

CAREERS SERVICE

The careers service offers support and advice on issues including career planning, CV and letter preparation, interview techniques, presentation skills, further study and employment opportunities. It also advertises graduate opportunities, job vacancies and general careers information.

STUDENT INFORMATION DESK (SID)

The Student Information Desk (SID) deals with all administrative queries for registered students of ITB and is based in the Library.

LIVE + LEARN

As well as an active Students’ Union, intended to offer support for all students at both academic and non-academic level, ITB offers a wide range of clubs, societies and events designed to make your life at college as fully rounded as possible.

STUDENTS’ UNION

The Students’ Union is a representative body democratically elected by the ITB student body each year. Its task is to provide representation and support for all students at both academic and nonacademic level. All students become members of the Students’ Union upon registration at ITB. Currently the Union has two full-time Officers – a President and a Vice-President/Welfare Officer and two part-time Officers – an Entertainment Officer and a Clubs and Societies Officer.

SPORTING FACILITIES

Along with a FIFA aproved all-weather pitch (part funded by Fingal County Council), a sand based GAA pitch and a multi-purpose sports hall, ITB has its own Sports Pavilion that incorporates changing facilities, an athletic therapy clinic and a state of the art equipped fitness suite. All ITB sports facilities are free for students. They also have access to the local National Aquatic Centre which includes a leisure pool, a diving pool and an Olympic 50 metre swimming pool. Sports Campus Ireland is located less than a kilometre from ITB for all other sporting needs. The Sports Development Office works closely with students to determine particular interests and strengths. A comprehensive sporting programme has been developed which includes on-campus non-competitive physical activity programmes along with participation in appropriate higher education competitions and leagues.

SPORTS SCHOLARSHIPS

ITB rewards students who have outstanding sporting ability. ITB offers sports scholarships to students to assist them in their chosen sport. Students who are selected for the scholarships can benefit from an excellent financial package as well as excellent support services. Application forms and further details can be found at [www.itb.ie](http://www.itb.ie)

**The closing date for applications is October 1st.**

CLUBS AND SOCIETIES

**Sports Clubs**

With the excellent sports facilities available at ITB, the level of student participation and club membership is increasing each year. Many clubs compete at intervarsity level, including:

- GAA (Both mens and womens teams)
- Soccer (Both mens and womens teams)
- Futsal
- Pool
- Basketball (Both mens’ and womens’ teams)
- Swimming (Mixed)
- Athletics (Mixed)
- Rugby
- Badminton (Mixed)
- Boxing
- Olympic Handball
- Kickboxing
- Golf
- Volleyball
- Weightlifting
- Karate
- Cricket
- Tae-Kwondo
- Gymnastics

**Societies**

Involvement in societies is a great way to meet new people while developing more interests. A number of societies are already established in ITB, and there is always room for more!

- Computer Society
- Airsoft Society – AirSoc Poker Society
- Dance Society
- Ultimate Frisbee Society
- Islamic Society
- Hacker Society
- Movie Society
- Harry Potter Society
- Pokemon Society
- LGBT Society
- Piano Society
- Athletic Society
- Social Care Society
- Engineering Society

FACTS AND FUNDRAISING

There’s always lots going on at ITB from the first day of Freshers’ week to the last day of term. Make sure you’re clued in by coming along to information sessions and fundraising events including

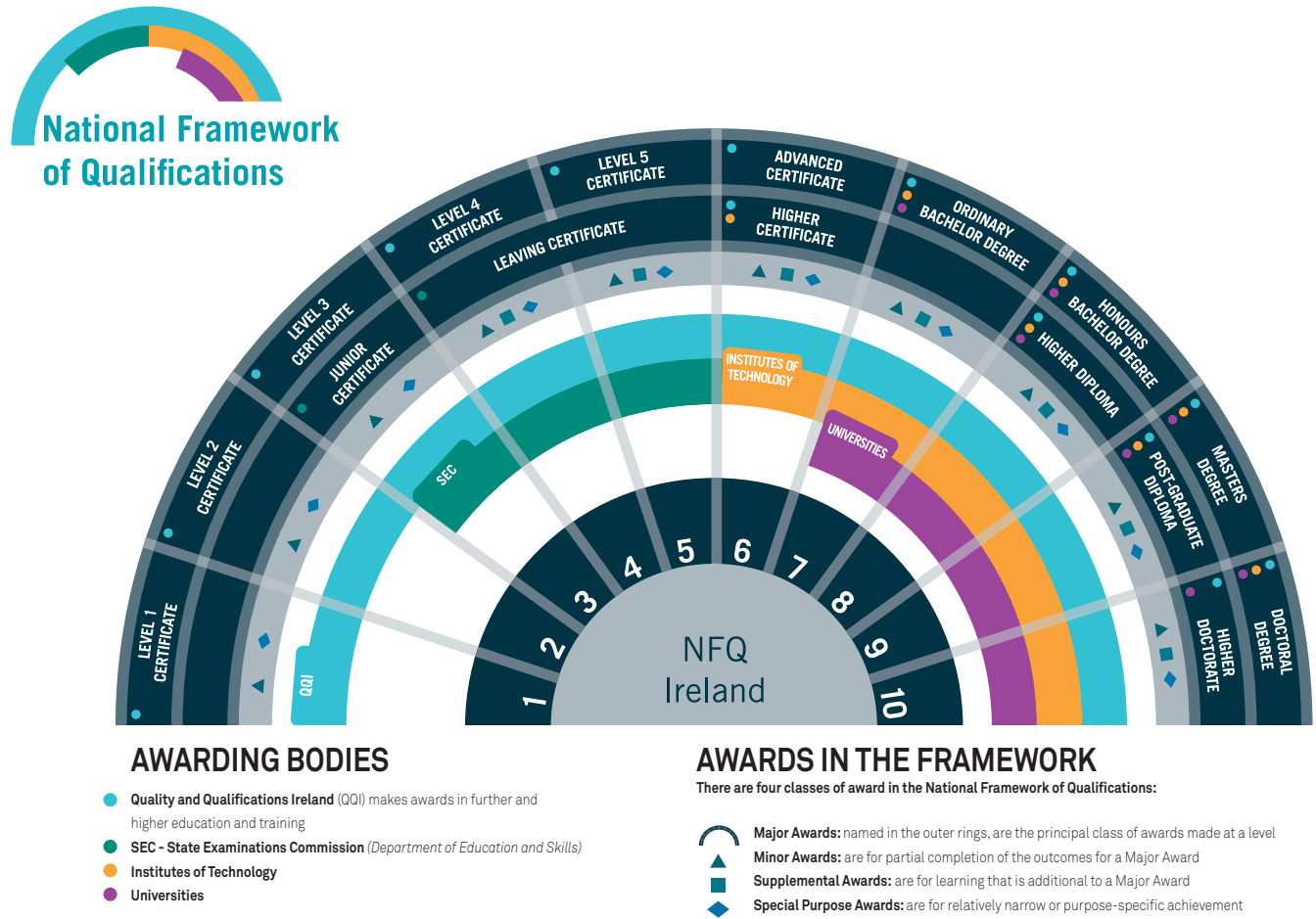
- Freshers’ Week
- Rag Week
- Welfare Week
- Clubs and Societies Week
- Humanities Week
- Sports Week
- ITB’s Engineering Society’s annual Robot Challenge

INS + OUTS

With a wide range of courses available and a couple of different ways to apply, it’s worth taking the time to find out what you need to do.



THE NATIONAL FRAMEWORK OF QUALIFICATIONS



THE NATIONAL FRAMEWORK OF QUALIFICATIONS

There have been a number of significant developments in Irish Higher Education. These have been occasioned by the implementation of provisions of the Qualifications (Education and Training) Act 1999 and the implementation of decisions outlined in the Bologna Declaration 1999, which seeks increased compatibility and comparability of qualifications in European Higher Education.

The first major change is the establishment of the National Framework of Qualifications (NFQ) – see diagram on page 150. The introduction of the National Framework of Qualifications in October 2003 was the end result of a long and detailed process involving significant national and international research and undertaken in close consultation with a wide range of stakeholders.

This learner-centred framework, which is transparent and readily understandable, relates to all education and training awards (Schools, Institutes of Technology, Universities) made in Ireland to each other. In doing so, it brings coherence to the awards system.

It establishes clearly defined standards about the quality of awards and about what a learner can be expected to achieve for

each award. It introduces a new approach to the meaning of an award, that an award will recognise learning outcomes – what a person with an award knows, can do and understands – rather than time spent on a programme. It also shifts the emphasis of the awards system from the maintenance of existing systems and structures to meeting the needs of learners.

As a result of the Framework, learners, employers and others will be able to compare Irish qualifications more easily and accurately with those from other countries. This is assisted by the introduction of “Diploma Supplements”. These are supplements to full awards that list all modules taken, results and credits, and are issued to all graduates of full awards within three months of graduation. More details in regard to the NFQ including explanations and clarification of awards can be obtained by visiting [www.nfq.ie](http://www.nfq.ie).

Awards are conferred by ITB under authority delegated by Quality and Qualifications Ireland (QQI), the authority with responsibility for activities formerly controlled by the Higher Education and Training Awards Council (HETAC).

Profiling is offered to all first year students. Students are invited to complete two online questionnaires, one of which gives feedback to students on their learning style and the other tool gives students feedback on their learning strengths and weaknesses.



THE SET-UP:  
HOW ITB COURSES  
ARE STRUCTURED

The academic year at ITB is divided into two sections, called semesters. The first semester begins in September and the second at the end of January.

Courses are delivered in modules, each generally lasting one semester. They are assessed both during and at the end of each semester. Under Quality and Qualifications Ireland (QQI) Accumulation of Credits and Certification of Subjects (ACCS) Scheme, credits earned for individual modules retain their validity indefinitely. This brings added flexibility to education – you can qualify for an award either by taking a compact full-time course, or by spreading your studies over a longer period and taking the modules part-time as suits you best.

The Institute of Technology sector is structured to allow students’ progress as far as they want through the educational system, receiving a qualification at each stage. For example, a student may start by studying for a Higher Certificate (usually completed in two years or four semesters), and having achieved that award, may then progress to an Ordinary Bachelor Degree (usually an extra year or two semesters). With an Ordinary Bachelor Degree, students may progress to an Honours Bachelor Degree, which in turn is the next step to a Masters Degree or a Doctorate.

Other courses are structured to allow students proceed directly to an Ordinary Bachelor Degree over three years (Ab Initio Ordinary Bachelor Degree courses) or directly to Honours Bachelor Degree over four years (Ab Initio Honours Bachelor Degree courses). Depending on

your circumstances, it may also be possible to pursue subsequent courses in a part-time mode.

Most applications for first year of full-time courses are processed through the Central Applications Office (CAO). Applications for add-on Ordinary Bachelor Degree, add-on Honours Bachelor Degree are also processed by the Central Applications Office (CAO), Post Graduate courses, work based programmes, and fee paying places are made directly to ITB. The procedures are outlined in this Section. Please read it carefully, as they contain not only the exact application and admission requirements and procedures, but also general conditions for eligibility.

APPLYING TO ITB:  
APPLICATION  
THROUGH THE CENTRAL  
APPLICATIONS OFFICE  
(CAO)

WHAT IS THE CAO SYSTEM?

Anyone seeking a first year undergraduate place on a full-time course at ITB must apply for it via the Central Applications Office. The CAO is the national organisation that accepts applications for admission to undergraduate courses in institutions of higher education in Ireland. The CAO is an administration centre for the processing of applications nationally and does not determine whether or not you will be offered a course place. The participating institutions make independent decisions on admissions.

Details of the CAO applications process are published in a handbook available from the CAO, Tower House, Eglinton Street, Galway Tel: (091) 509800; website [www.cao.ie](http://www.cao.ie). Applicants are encouraged by the CAO to use the online method of application.

Applications for places at ITB through the CAO system are made via the CAO Application Form, which is available online ([www.cao.ie](http://www.cao.ie)). Pages 1 and 2 of the form are normally sufficient for standard applicants. (Republic of Ireland school-leavers presenting results in the Leaving Certificate or National University of Ireland

matriculation examinations since 1985). As with all courses on the CAO, every ITB course has a unique code and reference. You apply for places by selecting the course code and course reference in the table(s) on page 2 of the CAO form.

Applicants completing the CAO application form must accept all the conditions set out in the form and in the CAO handbook. Great care must be taken in completing CAO forms, as neither ITB nor the CAO accepts responsibility for any mistakes made or for the consequences of any such mistakes if applicants do not follow the correct procedures.

Every academic institution will have its own application dates. Please note that the key dates for applications made through the CAO to ITB are:

- 1 February 2018, 5.15pm  
Closing date for applications
- 1 May 2018, 5.15pm  
Deadline for receipt of late applications (extra fee to be paid)
- 1 July 2018, 5.15pm  
Deadline for receipt of change-of-mind applications (provided a valid application was made in the first place)

WHAT ARE THE REQUIREMENTS  
FOR ADMISSION TO ITB?

The minimum entry requirements for standard applicants for admission to Higher Certificate or Ordinary Bachelor Degree courses is at least grade O6 or H7 in the Leaving Certificate examination in five subjects, including Mathematics and either English or Irish. For courses in Business, Digital Marketing, Sports Management and Coaching, Horticulture, Creative Digital Media, Applied Social Studies, Community and Youth Development and Early Childhood Care and Education, Foundation Level Mathematics (at grade F2 or higher) is accepted as meeting these minimum entry requirements.

The minimum entry requirements for standard applicants for admission to Ab Initio Honours Bachelor Degree courses is at least a pass in six Leaving Certificate subjects with two H5 grades and four ordinary O6/H7 grades, including Mathematics and either English or Irish for Higher Certificate and Ordinary Bachelor degree courses in Business. For Ab-Initio Honours Bachelor courses in Business, Digital Marketing, Accounting and Finance, Sports Management and Coaching, Horticulture, Creative Digital Media, Applied Social Studies, Community and Youth Development and Early Childhood Care and Education Foundation Level Mathematics (at grade F2 or higher) is accepted as meeting these minimum entry requirements.





Results in Foundation Level Irish in the Leaving Certificate, or results in the Leaving Certificate Applied Programme do not satisfy these minimum entry requirements.

Applicants are advised that despite the fact that Foundation Level Mathematics meet the minimum Mathematics requirement for entry into some of our courses, some employers require Ordinary Level Mathematics or higher to meet minimum educational attainment for some positions.

Currently the results in more than one sitting of the Leaving Certificate examination will be counted towards meeting this minimum requirement. However, additional requirements may be specified for some courses. Please check details of the minimum requirement for each course as set out within each individual course of this publication.

**WHAT COURSES ARE CURRENTLY ON OFFER VIA APPLICATION TO THE CAO?**

The list opposite outlines the first year courses that are on offer in 2018/2019 where application is made through the CAO. Full details on each one is available in the “Look and See” section of this prospectus.



CODE	TITLE	DURATION
LEVEL 6		
BN001	Higher Certificate in Engineering in Computer Engineering	2 years
BN002	Higher Certificate in Science in Computing in Information Technology	2 years
BN003	Higher Certificate in Business	2 years
LEVEL 7		
BN009	Bachelor of Engineering in Mechatronic Engineering	3 years
BN010	Bachelor of Business in Information Technology	3 years
BN011	Bachelor of Arts in Applied Social Studies in Social Care*	3 years
BN012	Bachelor of Engineering in Computer Engineering	3 years
BN013	Bachelor of Science in Computing in Information Technology	3 years
BN014	Bachelor of Business	3 years
BN015	Bachelor of Engineering (allowing later specialisation in Computer Engineering or Mechatronic Engineering)	3 years
BN016	Bachelor of Business (allowing later specialisation in Business or Business with Information Technology or International Business or Accounting and Finance or Digital Marketing)	3 years
BN017	Bachelor of Business in International Business*	3 years
BN020	Bachelor of Arts in Sports Management and Coaching*	3 years
BN021	Bachelor of Arts in Creative Digital Media	3 years
BN022	Bachelor of Science in Horticulture*	3 years
BN025	Bachelor of Arts in Community and Youth Development*	3 years
BN030	Bachelor of Arts in Early Childhood Care and Education*	3 years
BN034	Bachelor of Science in Computing in Digital Forensics and Cyber Security*	3 years
BN040	Bachelor of Arts in Digital Marketing*	3 years

*\*Students who successfully complete two years of this programme and who do not wish to progress to the third year may apply to receive a Higher Certificate award.*



CODE	TITLE	DURATION
LEVEL 8		
BN101	Bachelor of Business (Honours)	4 years
BN103	Bachelor of Business (Honours) in Information Technology	4 years
BN104	Bachelor of Science (Honours) in Computing	4 years
BN107	Bachelor of Arts (Honours) in Applied Social Studies in Social Care	4 years
BN108	Bachelor of Engineering (Honours) (allowing later specialisation in Computer Engineering or Mechatronic Engineering)	4 years
BN109	Bachelor of Business (Honours) (allowing later specialisation in Business or Business with Information Technology or International Business or Accounting and Finance or Digital Marketing )	4 years
BN110	Bachelor of Business (Honours) in International Business	4 years
BN111	Bachelor of Arts (Honours) in Sports Management and Coaching	4 years
BN112	Bachelor of Arts (Honours) in Creative Digital Media	4 years
BN113	Bachelor of Science (Honours) in Horticulture	4 years
BN114	Bachelor of Business (Honours) in Accounting and Finance	4 years
BN115	Bachelor of Arts (Honours) in Community and Youth Development	4 years
BN117	Bachelor of Engineering (Honours) in Computer Engineering in Mobile Systems	4 years
BN118	Bachelor of Arts (Honours) in Early Childhood Care and Education	4 years
BN119	Bachelor of Arts (Honours) in Digital Marketing	4 years
BN120	Bachelor of Science (Honours) in Computing in Digital Forensics and Cyber Security	4 years
BN121	Bachelor of Engineering (Honours) in Mechatronic Engineering	4 years





NEW LEAVING CERTIFICATE GRADING SCALE AND REVISED COMMON POINTS SCALE

The Universities and the Institutes of Technology have been working in partnership with the Department of Education and Skills to bring about progressive and incremental enhancements of the transition from second to third level.

The central focus of this work has been to agree reforms of Leaving Certificate assessment and grading and the admissions processes to higher education, in order to mitigate some of the undesirable effects of the so-called “points system”.

NEW LEAVING CERTIFICATE GRADING SCALE

As part of this process, it has been agreed to change how the Leaving Certificate examinations are graded, using fewer broader grade bands. The current 14-point grading scale (A1, A2, B1, B2, B3, etc. where the grade bands typically cover 5%) will be replaced by an 8-point scale (based on a grade band 10% wide).

The grades at Higher level and Ordinary level are distinguished by prefixing the grade with H or O respectively.

New LC Grading Scale

New Grade	% Marks
H1/O1	90-100
H2/O2	80-90
H3/O3	70-80
H4/O4	60-70
H5/O5	50-60
H6/O6	40-50
H7/O7	30-40
H8/O8	0-30



REVISED COMMON POINTS SCALE

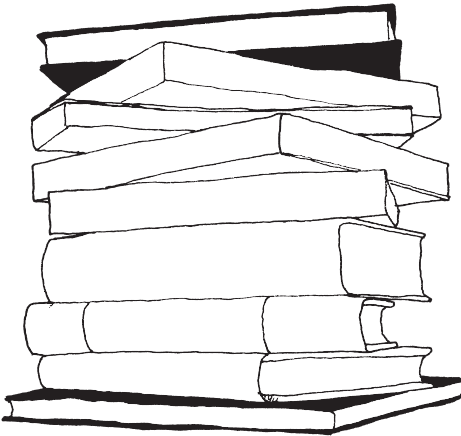
The implementation of the New Leaving Certificate Grading Scale described on page 158 requires a new Common Points Scale. Irish Universities, Institutes of Technology and all other Colleges which accept applications through the CAO, have introduced a revised Common Points Scale in 2017, as follows:

Result % Range	Leaving Certificate Grade	Points for Higher Level Subjects	Leaving Certificate Grade	Points For Ordinary Level Grade	Leaving Certificate Grade	Foundation Level Mathematics
90-100	H1	100	O1	56	F1	20
80-89	H2	88	O2	46	F2	12
70-79	H3	77	O3	37		
60-69	H4	66	O4	28		
50-59	H5	56	O5	20		
40-49	H6	46	O6	12		
30-39	H7	37	O7	0		
0-29	H8	0	O8	0		

All students applying through the CAO from 2017 will be awarded points under the new system, no matter when they sat the Leaving Certificate, ensuring a level playing field for all students. Points awarded under the new scale cannot be compared with points awarded in the past.

Bonus points for Higher Level Mathematics

25 bonus points will continue to be awarded for Higher level Mathematics, at grades H6 and above, in a manner similar to the the old scheme.



APPLICATIONS FROM LEAVING CERTIFICATE VOCATIONAL PROGRAMME (LCVP) STUDENTS

Holders of the LCVP apply in the normal way through the CAO system. Points are awarded on the same basis as per the Leaving Certificate.

The LCVP subject will be considered as a passing subject provided the student achieves at least a pass grade. This will apply to entry for Honours Degree (NFQ Level 8), Ordinary Degree (NFQ Level 7) and Higher Certificate (NFQ Level 6) academic courses. The following points scoring system will be used:

Pass	28
Merit	46
Distinction	66

LCAP (LEAVING CERTIFICATE APPLIED PROGRAMME)

The LCAP subjects do not meet the minimum entry requirements for admission to academic courses and are not considered as passing subjects.

GCE A LEVEL MATHEMATICS

25 additional points will be awarded for a Grade E (passing grade) or better in A2 Mathematics. This will apply to only one Mathematics subject out of the following; Mathematics, Further Mathematics and Pure Mathematics, and only where that subject is used as one of the subjects for scoring purposes.

APPLICANTS PRESENTING QQI-FET (FORMERLY FETAC) AWARDS (FURTHERMORE DENOTED AS QQI)

The minimum entry requirements for graduates of QQI (Level 5 or 6) awards are as follows:

- 1. For entry to a Higher Certificate course (NFQ Level 6) and to an Ab Initio Ordinary Degree course (NFQ Level 7) a full QQI (Level 5 or 6) award is required.
- 2. For entry to an Ab Initio Honours Degree course (NFQ Level 8) a full QQI (Level 5 or 6) award and including distinction grades in at least 3 components is required.

For entry to the majority of courses a full award may be accumulated over more than one academic year. In such cases it is the responsibility of the applicant to apply to QQI for a full award. However, for entry to certain courses an award achieved in a single sitting may be required.

Also, for some courses, specific component awards in Mathematics must be included in the QQI award presented for entry. Such requirements are detailed on the ITB website (www.itb.ie/fetac).

COMMON AWARDS SYSTEM

QQI introduced the Common Awards System in 2013. CAS awards will replace existing QQI awards. From 2014 all QQI awards are part of CAS.

SCORING SYSTEM FOR ELIGIBLE QQI APPLICANTS FOR EXISTING AND NEW AWARDS

A new scoring system for QQI awards was introduced for entry through the CAO to higher education from 2013. This scoring system applies to all relevant QQI Level 5 and 6 awards. It applies to **all** results achieved from 2013.

- A full QQI Level 5 or 6 major award will have a minimum credit value of 120.
- Component awards, or achievement of less than 120 credits, do not constitute a full award.

SCORING PROCESS

Each QQI Level 5 and Level 6 component is scored as follows:

Each component is given a score based on the credit value of the component and the weighting of the grade achieved. Most component awards have a credit value of 15 (the possible component credit values are 5, 10, 15, 20 and 30).

The following weightings will apply to the grades achieved:

Pass	1
Merit	2
Distinction	3

To calculate a component score, the credit value of the component is multiplied by the weighting for the grade achieved. All of the component scores are added up to a cumulative credit value of 120. When adding up these scores begin with distinctions, then merits, then passes. Finally the total is multiplied by 13 and divided by 12 to give the overall score to a maximum of 390 points. (This means that effectively the weighting of a component will be approximately Pass=1.083, Merit=2.167, Distinction=3.250) see table on right.

Some applicants will combine components achieved prior to the introduction of CAS with others which are part of CAS. Level 5 and 6 (NCVA) Certificates, i.e. major awards, achieved before the introduction of CAS are also scored according to the system outlined above.

**All QQI Level 5 and Level 6 awards will be scored using the best 120 credits to deliver a maximum of 390 points. This adjustment is required to accommodate the new Leaving Certificate scoring system and to maintain the previously established relativity between the QQI scoring system and the pre-2017 Leaving Certificate scoring system.**

Step	Component	1	2	3	4	5	6	7	8
1	Grade	D	D	D	D	M	M	P	P
2	Credit Value	30	15	15	10	30	15	15	15
3	Cumulative Credit Value (max =120)	30	45	60	70	100	115	130	n/a
4	Credit Value for Scoring (max =120)	30	15	15	10	30	15	5	
5	Weighting	3	3	3	3	2	2	1	
6	Weighting* Credit Value	90	45	45	30	60	30	5	
7	Add Results	305							
8	Multiply by 13 and divide by 12 (max = 390)	330							

HOW QQI GRADUATES APPLY FOR ENTRY TO AN ITB COURSE

Applicants who have spent at least one year on a recognised PLC course validated by QQI can be considered for entry. Applications should be made through the CAO. Applicants who have completed a full QQI award since 2002 or are in the process of completing a full QQI award should follow the QQI instructions on page 2 of the CAO application form and enter their PPS number in the relevant box. As indicated previously, applicants who have achieved their full award over more than one academic year must ensure that their QQI registered centre applies to QQI for a major award prior to application to the CAO.

Applicants who completed a full QQI award before 2002 should tick the NCVA

level 2/3 box on page three of the CAO application form and complete further details on page four since these courses cannot be automatically rated by the CAO. In addition, applicants must forward a copy of these results to the Academic Administration Office before the end of June 2018.

QQI results cannot be added to Leaving Certificate points. Where applicants have taken both exams, the higher points will be considered for rating purposes.

QQI applicants must compete for course places with other QQI applicants and Leaving Certificate applicants alike.



SPECIAL CATEGORY  
APPLICANTS

Anyone making a ‘special category’ application will need to complete some extra steps in their CAO application. Details of these procedures are to be found in the CAO Handbook. Special category applicants will need to complete pages 3 and 4 of the CAO Form. There are a range of circumstances and conditions under which a special category application can be made. People who can make applications in this category include the following:

- Mature applicants (to qualify, applicants must be over 23 years of age on 1st January of the year in which admission is sought).
- Applicants with special needs requiring special facilities.
- Applicants presenting QQI qualifications.
- Applicants under the ITB REACH Programme. (Access Programme).
- Applicants presenting school-leaving examinations (other than the Leaving Certificate) including those taken outside Ireland.

MATURE APPLICANTS

The Institute welcomes applications from mature students and a number of places on each course are reserved for such applicants.

Mature applicants are those who are over 23 years of age on 1st January of the year of entry. Applicants in this category may be accepted on a course without meeting the formal minimum entry requirements if ITB is satisfied that they have the basic ability and academic foundation to follow the course and to take the examinations successfully. Mature applicants seeking a place on a full-time ITB course must apply through the CAO and are advised to do so by February 1st.

As the number of applications for consideration as mature applicants is increasing, it is necessary to rank applicants for available places.

Mature applicants will be required to demonstrate that they meet the eligibility requirements for third level education via:

1. Assessment of Suitability by ITB

This option applies to mature applicants who do not wish to compete on the basis of a Leaving Certificate examination, QQI level 5 or 6 award or equivalent.

Such applicants will be assessed based on their performance in an assessment which they will be invited to attend at the Institute. Further details available at [www.itb.ie](http://www.itb.ie).

OR

2. Presentation of Leaving Certificate examination results, QQI Level 5 or 6 award or equivalent

Mature applicants who have completed the Leaving Certificate examination or a full QQI level 5 or 6 award at any time prior to 2017, may wish to compete for a place solely on the basis of these results.

A full QQI award generally consists of 8 modules. A record of achievement or component certificate will not meet the entry requirements. A copy of Leaving Certificate results or QQI Award(s) must be submitted to CAO as part of the application process.

Mature applicants who are demonstrating eligibility via this option must ensure that they have met the minimum entry requirements for the courses for which they have applied by logging on to [www.itb.ie](http://www.itb.ie) or discussing this matter with a member of the Marketing Team on (01) 8851530.

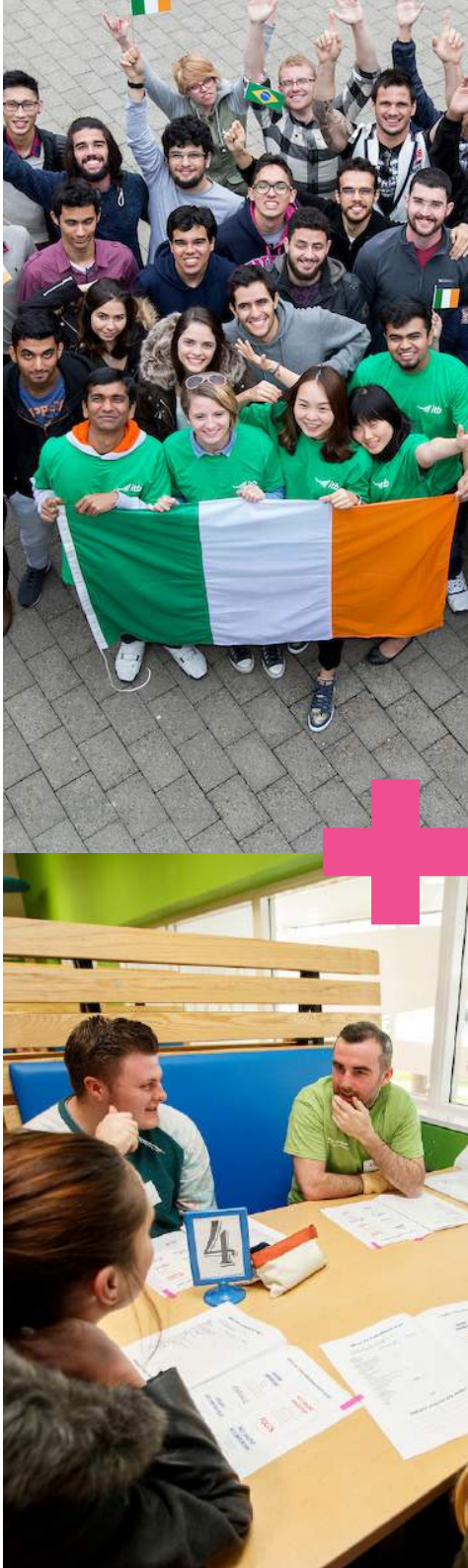
Offers of places are made to successful mature students by CAO in the normal way.

SPECIAL NEEDS APPLICANTS

In designing the ITB campus, we paid particular attention to access and how best to accommodate students with special needs. We encourage applications from students with special needs, regardless of any physical or sensory disability. Applicants with special needs may be eligible to receive a reduction in points for entry to courses subject to places being available. This is our own version of the Disability Access Route to Education (DARE) scheme which we have operated for many years and allows us to assess our own applicants on an individual basis. To be considered for this special access scheme applicants must still satisfy the minimum entry and subject requirements.

The process is simple. Applicants with special needs should apply through the CAO and tick the medical box on the CAO application form and submit their medical documents directly to the CAO. Applicants can be assured that disclosure of a disability or specific learning difficulty is required solely to enable colleges to support access to higher education. Offers of places to applicants in this category are made by the CAO in the normal way in Round 1.

Every attempt is made to facilitate students with special needs and to provide special equipment and supports where ITB budgets allow. The supports



available include provision of, and training in, assistive technology, access to the Assistive Technology Centre in the library, and academic support. National Learning Network is also available to ITB students.

Special arrangements can be made for students with special needs at examination time, provided the student is properly registered with the student support team. These arrangements can include the provision of a separate room to take examinations, the availability of an individual to read examination questions, the provision of additional time in which to complete examinations, the provision of a scribe, taping of examinations etc. Offers of places to students in this category are made by CAO in the normal way.

APPLICATIONS UNDER THE ITB REACH PROGRAMME

ITB recognises that some applicants may not have had the opportunity to reach their academic potential due to a range of social, economic, personal or family circumstances. Such disadvantage may well have impacted negatively on overall performance at second level and consequently students in such circumstances are underrepresented at third level.

ITB aims to redress this imbalance by offering our own School Leaver Access Programme known as the ITB REACH Programme. This is our own version of the

HEAR (Higher Education Access Route). The ITB REACH Programme aims to give applicants from disadvantaged socio economic backgrounds a better chance to reach their full potential academically. Applicants to the REACH Programme may be eligible to receive a reduction in points for entry to courses subject to places being available. Applicants wishing to avail of the REACH Programme should apply through the CAO and complete our REACH form available on our website, from Guidance Counsellors and from the ITB Access Office. To make the application process easier and to avoid duplication those applicants who have also applied to HEAR can complete a shorter REACH Programme application form. The ITB REACH form should be returned directly to ITB Access Office.

Offers of places are made to successful students by CAO in the normal way. For further details please go to <https://www.itb.ie/Reach>

APPLICANTS PRESENTING SCHOOL-LEAVING EXAMINATIONS OTHER THAN THE IRISH LEAVING CERTIFICATE

The results of examinations other than the Irish Leaving Certificate and NUI Matriculation are given points by comparison with the Irish Leaving Certificate, so that applicants can be assessed in the same way as other applicants in the points system.

Details of how this comparison is made (between the Irish Leaving Certificate and exams taken in numerous countries worldwide) are available on the CAO website [www.cao.ie](http://www.cao.ie)

Points

Details of minimum points required for entry to ITB courses in previous years are available on the CAO website [www.cao.ie](http://www.cao.ie).

Offers

All offers of places in first year undergraduate programmes in ITB are made by the CAO. No offers for these programmes are issued directly by ITB. Applicants are advised to read the relevant sections in the CAO handbook and refer to the CAO and ITB websites [www.cao.ie](http://www.cao.ie) and [www.itb.ie](http://www.itb.ie).

INTERNATIONAL STUDENTS – ENGLISH LANGUAGE REQUIREMENT

Instruction for all courses at ITB is normally through English (excluding any language modules) and applicants who do not have Leaving Certificate English must provide evidence of equivalent competency through school leaving or matriculation examinations or achievements of a minimum standard in recognised tests of English as listed in the table on page 165.

Students admitted to ITB whose mother tongue is not English are responsible for bringing their competency in English to an appropriate level if necessary.

GENERAL OR ACADEMIC ENGLISH	TITLE OF AWARD	LEVEL REQUIRED
Academic	IELTS (International English Language Testing System)	6
Academic	ETAPP (English Test for Academic and Professional Purposes)	C1
Academic	TOEFL (Test of English as a Foreign Language)	PBT 550 CBT 213
Academic	British Council UCLES/IDP (University of Cambridge Local Examinations Syndicate/ International Development Programme of Australian Universities)	6
Academic	JMB University Entrance test in English (Overseas) (Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham)	Pass
Academic	AEB (Associated Examining Board)	C
Academic	OEB – English as a Foreign Language (Higher Paper) (Oxford Examining Body)	Pass
General	TIE (Test of Interactive English, Ireland)	C1
General	Council of Europe	C1
General	Trinity College (UK) (Integrated Skills in English Examination)	10 ISE – Level III
General	TOEIC (Test of English for International Communication)	750
General	London Tests of English (Edexcel) Pearson Language Assessment	Level 4
General	Cambridge ESOL (English for Speakers of Other Languages) CAE (Certificate in Advanced English) CPE (Certificate of Proficiency in English)	Grade C Grade C
General	Pitman UK	Level 5 (Advanced)
General	ARELS/Oxford UK (Association of Recognised English Language Services)	Higher – Good



APPLICATIONS FOR ADD-ON COURSES

Admission to add-on Ordinary Bachelor Degree courses (1 year add-on to Higher Certificate courses) or admission to add-on Honours Bachelor Degree courses (1 year add-on to Ordinary Bachelor Degree courses) is made directly to CAO ([www.cao.ie](http://www.cao.ie)). Full details, including eligibility criteria is available on our website [www.itb.ie](http://www.itb.ie).

HOW DO I APPLY FOR ADVANCED ENTRY?

Students wishing to apply for a place other than in the first year of a course should also apply directly to the CAO. Details on how to apply is available from the ITB website at <http://www.itb.ie/HowtoApply/direct.html>

GARDA VETTING

A number of ITB courses require students to successfully complete placements or projects where they may have unsupervised access to children and/or vulnerable adults. Each student applying for these courses must undergo the ITB Garda vetting process. To ensure the protection of the public, and to justify public trust and confidence, the Institute is committed to ensuring that only suitable candidates are allowed to undertake these programmes. Without satisfactory Garda clearance, students will be unable to complete their course and thus will not be able to complete the programme or receive an award. All places on these courses are provisional and subject to the student obtaining satisfactory Garda vetting from the Central Garda Vetting Unit. The current legal minimum age for sole application for Garda vetting is 18 years of age. In the event of an applicant being between 16 and 18 years of age, written consent is also required from a parent or guardian.

In addition to Garda vetting, a medical assessment and provision of personal references may be required in regard to suitability for placement.

ACCOMMODATION FOR ITB STUDENTS

While ITB is not in a position to offer residential accommodation to students, an annual accommodation register is compiled of local property owners who wish to offer accommodation to students. Those who cannot commute from home can make their own arrangements, whether in the form of 'digs' (a room and some meals, provided in a family home) or privately rented apartments or houses in the locality. For further information and to access the accommodation register, contact the Student Information Desk (SID) in the library (Tel: (01) 885 1590, e-mail: [sid@itb.ie](mailto:sid@itb.ie)). ITB does not accept any responsibility for the quality or suitability of accommodation listed. It is solely the responsibility of students to satisfy themselves as to the quality and suitability of the accommodation offered.

FINANCE + GRANTS

This section will tell you all you need to know about fees and how to apply for a grant.

FINANCIAL MATTERS

The information on fees and grants provided in this section is correct at the time of going to print but should only be used as an indicator. The ITB website <http://www.itb.ie/CurrentStudents/feesgrants.html> will be updated with any new information in regard to fees as it becomes available from the Department of Education and Skills.

STUDENT CONTRIBUTION CHARGE

A charge of €3,000 during 2017/2018 was payable by each student to cover essential student services such as examination entry fees, support for student services and support for student clubs and societies. Those not in receipt of a grant are required to pay the full amount. Where a student cannot pay the full contribution fee in September, the college will agree to this amount being paid in two instalments, i.e 50% to be paid by registration in September and 50% to be paid before 31st January. These charges are regulated by the Department of Education and Skills and more up-to-date information on this charge for 2018/2019 will be published on our website [www.itb.ie](http://www.itb.ie) or [www.studentfinance.ie](http://www.studentfinance.ie).

Students who qualify for a grant from SUI SI may not be required to pay the student contribution fee depending on the level of the SUI SI award, ie full or partly funded.

EUROPEAN UNION (EU) FEES

European Union nationals attending full-time undergraduate courses at ITB are normally only required to pay the student contribution fee. The following EU nationals will be liable for a total annual fee, the amounts payable for 2017/2018 are set out in a table below:

- EU nationals who are repeating a full year of study
- Any EU national who is following a second or subsequent third-level course, depending on the type and duration of the previous course attended.
- Any EU national who has not been resident in an EU member state for three of the past five years. The rate of fees is set annually by the Department of Education and Skills

Fees for 2017/2018 were as follows:

Course	Annual Fee
Higher Certificate	€3,250
Ordinary Bachelor Degree	€3,250
Bachelor of Engineering (Honours)	€4,450
All Other Honours Bachelor Degrees	€3,819

NON-EUROPEAN (EU) FEES

Non-European Union nationals attending full time undergraduate courses at ITB are normally required to pay fees. The annual fee rate for 2017/2018 was €11,420. The fees for 2018/2019 may increase.

Any non-EU national who has been legally resident in an EU member state for at least three of the last five years may qualify to pay fees at the EU rate. It is a requirement that documentary evidence of residency and the duration of residence in the EU member state is provided to qualify for the EU rate of fees. Non- European nationals on a student visa are required to pay the Non-EU rate of tuition fees.

Refugees with official refugee status in Ireland and have been resident in an EU member state for 3 of the past 5 years (at the time of first registration) are not normally required to pay fees, other than the student contribution. A student in the process of seeking asylum is considered as non-EU National and is therefore normally required to pay the non-EU rate of fees. Further information is available at: [www.studentfinance.ie](http://www.studentfinance.ie).

Please note: Students are responsible for the payment of fees and any charges by the dates stated in the student contribution section above. If you are unclear about your own individual

circumstances and the consequence for paying fees please contact the Fees and Grants Section directly on (01) 885 1000 or by emailing [feesandgrants@itb.ie](mailto:feesandgrants@itb.ie). Fees are subject to change as directed by the Department of Education and Skills and are approved by the Institute’s Governing Body.

THIRD LEVEL GRANTS

All new grant applications must be made online to a single awarding authority, SUSI (Student Universal Support Ireland) through [www.susi.ie](http://www.susi.ie). The online application system for student grants will be available from early April each year. As soon as the online application system opens for the 2018/2019 academic year, you will be able to register online with SUSI and complete the online application form. Remember, it will not be necessary to have received an offer of a college place or to be enrolled in a college in order to apply online. Check the SUI SI website for closing date.

BACK TO EDUCATION ALLOWANCE

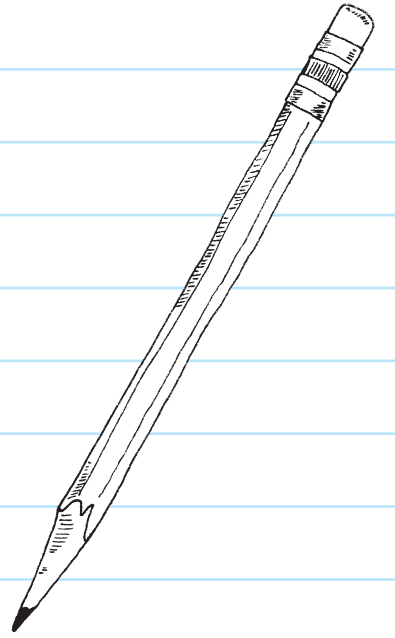
The Back to Education Allowance (BTEA) allows people in receipt of certain social welfare payments to retain those payments whilst participating in approved full-time courses in further and higher education. Participants receive a standard rate of payment that is not means tested. Further information is available on [www.studentfinance.ie](http://www.studentfinance.ie) or [www.welfare.ie](http://www.welfare.ie)



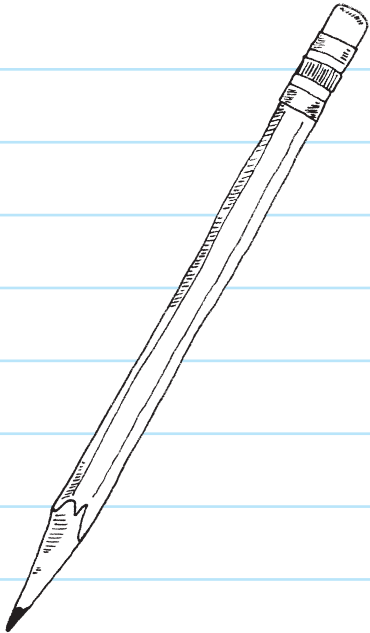




## MY CAO COURSE OPTIONS



# MY CAO COURSE OPTIONS





Design: [www.language.ie](http://www.language.ie)

The information given in this publication is intended as a guide to prospective students of the Institute of Technology Blanchardstown. While every effort has been made to ensure the accuracy of the material printed in this prospectus, the contents cannot be construed as implying a contract between the Institute and any applicant or third party. The Institute reserves the right to amend courses, titles of courses or regulations at any time. Electives on offer in some course programmes will only be offered if there are sufficient resources available and suitable qualified applicants received in any given year.

## ACKNOWLEDGEMENTS

On behalf of ITB, I would like to thank everyone who contributed to the compilation of this prospectus. Firstly, thanks to all our students and staff who contributed to, or are featured in the publication. Our design team is Language Communications.

Mairead Murphy

*Marketing and Development Unit*



Ireland's European Structural and  
Investment Funds Programmes  
2014-2020  
Co-funded by the Irish Government  
and the European Union

Investing in your future



Institute of Technology  
**Blanchardstown**  
Institiúid Teicneolaíochta  
Baile Bhlainséir

Blanchardstown Road North,  
Dublin 15, D15YV78, Ireland  
Phone: (01) 885 1000  
Fax: (01) 885 1001  
[info@itb.ie](mailto:info@itb.ie)  
[www.itb.ie](http://www.itb.ie)



Bóthar Bhaile Bhlainséir Thuaidh,  
Baile Átha Cliath 15, D15YV78, Éire  
Guthán: (01) 885 1000  
Fax: (01) 885 1001  
[info@itb.ie](mailto:info@itb.ie)  
[www.itb.ie](http://www.itb.ie)

