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INSTITUTE OF TECHNOLOGY
TRALEE
INSTITIÚID TEICNEOLAÍOCHTA TRÁ LÍ

PROSPECTUS
2018-19

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AT
IT TRALEE



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Library







Come and see for yourself...

- ✓ WORK READY GRADUATES
- ✓ INTERNATIONALLY RECOGNISED QUALIFICATIONS
- ✓ BEST VALUE STUDENT ACCOMMODATION
- ✓ APPLIED INDUSTRY BASED PROJECTS
- ✓ FUN, FRIENDLY AND WELCOMING CAMPUS
- ✓ ALL DEGREE PROGRAMMES INCLUDE WORK EXPERIENCE
- ✓ HIGH QUALITY TEACHING AND LEARNING ENVIRONMENT
- ✓ STUDENTS FROM ACROSS THE GLOBE
- ✓ FLEXIBLE LEARNING OPPORTUNITIES
- ✓ FANTASTIC LOCATION

OPEN DAY

Friday 27th October 2017

9.30am to 1.30pm

at the Institute of Technology Tralee

- North Campus

LIVE LEARN
DISCOVER

...everybody welcome!

DISCOVER THE PERKS OF STUDYING AT IT TRALEE AT WWW.ITTRALEE.IE

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Dr. Oliver Murphy,
President, Institute of Technology, Tralee
Uachtarán, Institiúid Teicneolaíochta, Trá Lí

PRESIDENT'S WELCOME FÁILTE ÓN UACHTARÁN

Welcome to the IT Tralee undergraduate prospectus for entry 2018. As you embark on the exciting, rewarding and enjoyable journey into third level education, I invite you to take a closer look at IT Tralee. We pride ourselves on the excellence of our courses, the quality of our graduates and the warmth of our welcome. You may be a school-leaver, a mature student returning to education, or you may be going on to postgraduate studies; no matter what your situation, I am confident that in this prospectus you will find a programme to put you on the fast-track to achieving your goals.

2017 marked the 40th anniversary of higher education provision in Kerry. As we look towards the future, I am committed to continuing our tradition of educational excellence in partnership with Cork Institute of Technology, as we work together to create the Munster Technological University for the people of Kerry, Cork and the wider region. Construction is currently underway on our state of the art sporting facility. This €16.5million sports academy will open in autumn 2018 and will offer inclusive facilities for those with disabilities while also offering our students a world class centre in which to study, train and socialise in.

Aside from our academic excellence, there are many advantages to living and studying in Tralee, from our unique location, to affordable accommodation, to the true sense of community that is tangible within IT Tralee. We have a fantastic campus and we share that space with Kerry Technology Park. The interchange of ideas and skills between enterprises and students, researchers and staff at the Institute has been vital to our ongoing success.

Our students are at the heart of everything we do. We work hard to create an environment in which to live, learn and discover, and to provide everything you need to pursue your studies to ensure you enjoy a rich, fulfilled student life. I look forward to welcoming you to Tralee in 2018.

Fáilte chuig réamheolaire focheime IT, Trá Lí d'iontrálaithe 2018. Agus tú ag tabhairt faoin turas spreagúil, tairbheach, taitneamhach chuig oideachas tríú leibhéal tugaim cuireadh duit súil níos géire a chaitheamh ar IT, Trá Lí. Ag IT, Trá Lí táimid bródúil as sármhaitheas ár gcuid cúrsaí, as cáilíocht ár gcéimithe agus as an bhfáilte ó chroí a chuirimid rompu. B'fhéidir gur fágálaí scoile tú, mac léinn aibí atá ag filleadh ar an oideachas nó b'fhéidir go bhfuil tú ag bogadh ar aghaidh chuig staidéar iarcheime; is cuma cad é an cás ina bhfuil tú, tá muinín agam go n-aimseoidh tú clár san eolaire seo a chabhróidh leat do chuid spriocanna a bhaint amach go mear.

Is i 2017 an bhliain ina bhfuil an t-ardoideachas ar fáil le 40 bliain anuas i gCiarraí. Agus sinne ag féachaint amach romhainn tá mise tiomanta dár dtraidisiún sármhaitheasa san oideachas, i gcomhpháirtíocht le hInstitiúid Teicneolaíochta Chorcaí, agus sinne ag obair le chéile chun Ollscoil Teicneolaíochta na Mumhan a chruthú, do phobal Chiarraí, Chorcaí agus an réigiúin laistiar diobh. Tá tógáil ar siúl faoi láthair ar ár n-áis spóirt den chéad scoth. Osclofar an t-acadamh spóirt €16.5milliún i bhfómhar 2018. Cuirfear áiseanna cuimsitheacha ar fáil dóibh siúd faoi mhíchumas agus lena chois sin tairgfear dár gcuid mac léinn lárionad den chéad scoth chun staidéar agus traenáil a dhéanamh agus chun taitneamh a bhaint as comhlúadar.

Lasmuigh dár sármhaitheas acadúil tá a lán buntáistí ag gabháil le bheith ag fanacht agus ag staidéar i dTrá Lí, idir ár suíomh fíor-speisialta agus lóistín nach bhfuil ró-chostasach. Anuas air sin tá fíormheon muintearais i réim a mhothaíonn daoine in IT, Trá Lí. Tá campas iontach againn agus roinnimid an spás sin le Páirc Teicneolaíochta Chiarraí. Bhí malartú smaointe agus scileanna idir fiontair agus mic léinn, taighdeoirí agus baill foirne ag an Institiúid rithábachtach dár rath leanúnach.

Tá ár gcuid mac léinn i gcroílár gach dá bhfuil á dhéanamh againn. Táimid ag obair go cruaidh chun timpeallacht a chruthú ina bhfuilimid ag obair, ag foghlaim agus ag fáil amach rudaí nua, agus chun gach rud a thabhairt duit atá uait chun do chuid staidéir a dhéanamh agus taitneamh a bhaint as saol saibhir an mhic léinn. Táim ag súil le fáilte a chur romhat i dTrá Lí in 2018.

The Perks of Studying at IT Tralee

Perk ^{No. 1} Lifestyle

From campus to coast
in 10 minutes.

The cost of living in Tralee is 50% less than Dublin
& 25% less than Limerick or Cork.

QUICK GUIDE TO FULL TIME UNDERGRADUATE COURSES FOR ENTRY SEPTEMBER 2018

SCHOOL OF BUSINESS, COMPUTING AND HUMANITIES

Department of Business

CAO CODE	COURSE TITLE	PAGE
TL831	Bachelor of Business (Honours) <i>Degree award options: Accounting or Marketing or Management</i>	30
TL731	Bachelor of Business <i>Degree award options: Accounting or Marketing or Management</i>	30

Department of Creative Media and Information Technology

CAO CODE	COURSE TITLE	PAGE
TL801	Bachelor of Arts (Honours) in Animation, Visual Effects and Motion Design	34
TL802	Bachelor of Arts (Honours) in TV, Radio and New Media	36
TL803	Bachelor of Arts (Honours) in Music Technology	38
TL805	Bachelor of Arts (Honours) in Business Information Management	40
TL605	Higher Certificate in Business Information Management	42

Department of Computing

CAO CODE	COURSE TITLE	PAGE
TL810	Bachelor of Science (Honours) in Computing with Software Development	46
TL710	Bachelor of Science in Computing with Software Development	46
TL811	Bachelor of Science (Honours) in Computing with Games Development	48
TL711	Bachelor of Science in Computing with Games Development	48
TL812	Bachelor of Science (Honours) in Computing with Digital Media	50
TL712	Bachelor of Science in Computing with Digital Media	50
TL815	Bachelor of Science (Honours) in Computing (<i>Degree award options: Software Development or Digital Media or Games Development</i>)	52
TL715	Bachelor of Science in Computing (<i>Degree award options: Software Development or Digital Media or Games Development</i>)	52
TL716	Bachelor of Science in Computer Systems and Networking	54
TL614	Higher Certificate in Science in Computer Systems and Networking	54

Department of Hotel, Culinary Arts and Tourism

CAO CODE	COURSE TITLE	PAGE
TL620	Higher Certificate in Arts in Culinary Arts	58
TL719	Bachelor of Arts in Culinary Arts	60
TL820	Bachelor of Arts (Honours) in Travel and Tourism Management	62
TL720	Bachelor of Arts in Travel and Tourism Management	62
TL621	Higher Certificate in Arts in Hotel Operations	64
TL622	Higher Certificate in Arts in Travel and Tourism	66



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SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

Department of Biological and Pharmaceutical Sciences

CAO CODE	COURSE TITLE	PAGE
TL848	Bachelor of Science (Honours) in Agricultural Science	72
TL748	Bachelor of Science in Agricultural Science	72
TL651	Higher Certificate in Science in Biological and Environmental Studies	74
TL851	Bachelor of Science (Honours) in Wildlife Biology (Degree award options: Wildlife Biology or Field Biology and Wildlife Tourism)	76
TL855	Bachelor of Science (Honours) in Pharmaceutical Science (Degree award options: Biopharmaceutics or Forensics or Environmental Science or Cosmetic Science)	78
TL755	Bachelor of Science in Pharmaceutical Science (Degree award options: Biopharmaceutics or Forensics or Environmental Science or Cosmetic Science)	78
TL858	Bachelor of Science (Honours) in Veterinary Bioscience	80
TL758	Bachelor of Science in Animal Bioscience	80

Department of Technology, Engineering and Mathematics

CAO CODE	COURSE TITLE	PAGE
TL845	Bachelor of Science (Honours) in Civil Engineering	84
TL745	Bachelor of Engineering in Civil and Environmental Engineering	84
TL844	Bachelor of Science (Honours) in Agricultural Engineering	86
TL744	Bachelor of Engineering in Agricultural Engineering	86
TL847	Bachelor of Science (Honours) in Manufacturing Engineering	88
TL747	Bachelor of Engineering in Manufacturing and Mechatronics Engineering (Degree award options: Mechanical and Manufacturing or Mechanical and Mechatronic Engineering)	90
TL_EAGMN_D	Bachelor of Science in Agricultural Mechanisation	92
	Engineering Apprenticeship	94

SCHOOL OF HEALTH AND SOCIAL SCIENCES

Department of Social Sciences

CAO CODE	COURSE TITLE	PAGE
TL880	Bachelor of Arts (Honours) in Early Childhood Care and Education	100
TL780	Bachelor of Arts in Early Childhood Care and Education	100
TL881	Bachelor of Arts (Honours) in Social Care	102
TL781	Bachelor of Arts in Social Care	102

Department of Nursing and Health Care Sciences

CAO CODE	COURSE TITLE	PAGE
TL890	Bachelor of Science (Honours) in General Nursing	106
TL891	Bachelor of Science (Honours) in Mental Health Nursing	108
TL889	Bachelor of Arts (Honours) in Counselling with Addiction	110

Department of Health and Leisure Studies

CAO CODE	COURSE TITLE	PAGE
TL871	Bachelor of Science (Honours) in Health and Leisure (Degree Award Options: Athletic Performance, Adapted Physical Activity, Health and Wellbeing, Physical Education OR Sports Development)	114
TL771	Bachelor of Science in Health and Leisure (Degree Award Options: Health and Leisure with Education in Aquatics OR Health and Leisure with Outdoor & Experiential Learning)	114
TL872	Bachelor of Science (Honours) in Health and Leisure with Massage	118
TL772	Bachelor of Science in Health and Leisure with Massage	118



IT TRALEE - A GREAT PLACE TO STUDY

At IT Tralee we have worked hard to develop a student experience which will address your needs and ensure that the time you spend at IT Tralee is rich, rewarding and fun. The Institute has a high quality teaching and learning environment delivering programmes which are challenging and relevant. Courses are developed in partnership with employers across the private, public and community sectors. This ensures all of our graduates are work ready, hence our successful graduate placement record. The Institute prides itself in the quality of our academic programmes, the applied nature of our teaching and learning and the success of our graduates.

THE CLASSROOM AND BEYOND

The relevance of our academic programmes is reinforced by engaging with industry, community, health and relevant sectoral representatives in programme design, delivery and assessment. Our programmes are developed to provide for a planned approach to teaching and learning. Different from the traditional classroom approach of second level teaching and learning, our programmes have been formulated based on a predefined mix of traditional lectures, classroom based teaching, tutorials, project work (individual and group), laboratory activity, field work, guest lecturers and online learning. The modules you will study will have a mix of assessment based on continuous assessment (in class, project work, lab reports, field reports work experience) and final exams. In all, you will experience a variety of teaching, learning and assessment approaches which will provide ample opportunity for you to excel throughout your learning and assessment experience at IT Tralee. Out of classroom activities form a significant part of many programmes ensuring you experience the most up to date and relevant learning opportunities.



IT'S A FUN PLACE TO BE

Quite apart from the facilities and supports available, the IT Tralee students have, over the years, fostered something really special. IT Tralee offers a vibrant and engaging student community - friendships are made, sport is played, events are held and above all fun is had. With the support of the Students' Union, staff and the positive attitude of IT Tralee students you will find it a place where you feel comfortable, supported and ready to take on the challenges of third level. We encourage you to take your third level journey at IT Tralee and we look forward to welcoming you to our campus in September 2018.



REAL LIFE EXPERIENCE AND HANDS ON LEARNING

The value of a solid theoretical knowledge is complemented by the facilitation of credit gaining work experience on the majority of programmes. Work experience or an industry applied project is now an integral part of all IT Tralee programmes. Many of our graduates go on to secure full-time employment with their work-placement host organisation. This practical approach to learning helps ensure the employability of IT Tralee graduates.





HOME FROM HOME

We pride ourselves in ensuring students settle in to campus life. While 3,000 students may sound like a large number, we have created a warm, friendly and welcoming campus. Over 70 countries are represented in our student population. The growth in diversity of the student population is testament to how welcoming the Institute is to study and Tralee is as a place to live. Class numbers are maintained at levels which allow lecturers to know their students by name. The positive staff student ratio ensures that lecturers have time for students, their questions and queries. Students consider the size of our classes and ease of access to teaching and support staff as one of the reasons why they would recommend someone to consider choosing IT Tralee as a place to study. Tralee also offers some of the best value student accommodation in Ireland offering an extensive range of high quality purpose built student housing throughout the town. The cost of living in Tralee is 50% less than you would pay in Dublin and 25% less than you would expect to pay in Limerick or Cork.



HERE TO SUPPORT YOU

Our student services team offers a wide range of services, designed to make sure that the transition to third level is as smooth as possible. From sports to societies, careers to health care, counselling to chaplaincy support we've got it covered. It may be a first time experience or challenge for you - rest assured, we've seen it all before and can help assist you and point you in the right direction.



INDUSTRY ON THE DOORSTEP

IT Tralee has always worked closely with employers, both regionally and nationally to ensure our programmes are relevant to specific industry sectors. IT Tralee is the only Institute in the country which shares a campus with a Technology Park. This proximity has further enabled the development of links with a range of cutting edge start-ups, global companies and internationally recognised research centres. Companies operating from the Technology Park provide work placement opportunities for our students and work opportunities for our graduates. In fact 25% of those working in the Technology Park are IT Tralee graduates. Over 80% of IT Tralee graduates have secured employment or are pursuing further studies such as a Masters or PhD within 6 months of completing their studies at IT Tralee.



DISCOVER KERRY AND EXPLORE TRALEE

Whether you are from the region, Ireland or an International student, there will always be something new for you to discover in Kerry. County Kerry is a paradise for outdoor enthusiasts, sporty types or culture advocates. Or if you simply want to explore or relax at your pace there is something in Tralee and County Kerry for you. Tralee is home to Siamsa Tíre, the National Folk Theatre of Ireland, the award winning Kerry County Museum and Medieval Experience and Tralee's newest attraction - the Tralee Bay Wetlands an activity and nature centre. There are miles of beaches within a 10 minute drive of the IT Tralee in addition to many sport and leisure facilities from golf courses to cinemas to bowling alleys, swimming pools and sports centres. Tralee, as Kerry's capital town is also a great shopping venue with a variety of bars and restaurants. The IT Tralee Societies Officer and the Students Union, with the IT Tralee's 60 clubs and societies will help ensure you have the maximum opportunity to experience all that Tralee and the region has to offer ensuring that all important balance between study and fun!

STUDENT LIFE

Going to college is an exciting time for all first year students. Third level is very different to second level and opens up a whole world of experiences, both while you are studying and in your career after graduation.

Settling in and making new friends is a big part of college life. The first few weeks of college are called orientation – use this time to get your bearings and find your way around. In IT Tralee you'll see lots of student leaders in bright T-shirts – they are there to help – don't be afraid to ask questions.

You can join clubs or societies, get involved in activities run by the Students' Union or relax with your friends. No matter how you use your social time, you quickly discover how easy and enjoyable student life can be, both on and off campus. And if problems arise, help and advice is always at hand, either through the Student Services team or the Students' Union.

STUDENT SERVICES

The objective of student services is to create a caring and supportive environment, one in which all students are supported and empowered to reach their personal and academic potential. The student support services team delivers the necessary support to allow you to pursue your academic programmes and career goals, regardless of your starting point. The team, who you'll meet at orientation on your first day, provides advice and guidance on the range of issues that you may encounter during your time at the Institute. The range of services on offer include:

ACCESS AND DISABILITY SERVICE

The Access Office promotes access to third-level education at the Institute, particularly for groups who are currently under-represented in the student population: adult/mature students, students with disabilities, dyslexia or any other recognised learning difficulty or learning difference, Travellers, minority groups and students facing social and economic barriers. For more information go to page 13.

CAREERS SERVICE

The Careers service is there to help you prepare for the future and to advise on career choices and job-hunting strategies. In addition to contact with the careers advisor, a careers education programme consisting of workshops, seminars and lectures is provided throughout the year. For more information go to page 15.

HEALTH CENTRE

An on campus health centre with full nurse cover during semester offering a drop in and triage service with a GP on site in the afternoons for student appointments. Whatever problems arise, help is available and is delivered with dignity and respect in a safe, non-judgemental environment.

COUNSELLING

We also provide a confidential counselling service to support you during times of need. Playing a vital role in the Institute's commitment to creating a caring and friendly environment, the service offers both individual counselling and group workshops, and is available to all students on a voluntary basis. Through our counselling service - which is available on both campuses - you get the opportunity to talk about and explore issues that are of concern to you, in an environment that is safe and non-judgemental. Counselling sets out to enable the students who use the service to become more effective and

resourceful in their academic, social and personal lives.

SPORTS

At IT Tralee, you have a choice of over 30 different sports clubs. Sport gives you the opportunity to meet new friends and develop new skills. It also contributes to your academic and personal development and gives you a healthier outlook on life. For more information go to page 16. To learn about sports scholarships go to page 19.

SOCIETIES

Societies are essentially student groups that focus on a particular artistic, creative or social area. Being part of a Society while at college gives students the opportunity to experience and organise many different cultural, academic and social events and activities, both on and off campus. There are more than 20 active Societies currently running at the IT Tralee. To learn more about Societies go to page 17.

CHAPLAINCY

The chaplain operates an open door policy and welcomes all students regardless of religious background. Chaplaincy is not just about solving problems; it's also about creating an atmosphere to facilitate personal growth. It's about friendship, bringing people together and breaking down the barriers that sometimes separate us. It's about giving people the confidence to discover their real worth and dignity, and harnessing human skills and talents for the good of the wider community. Above all, it's about service, care and helping you to make the most of your opportunities at third-level. The Chaplaincy provides support for financial difficulties through the Student Assistance Fund and the Benevolent Fund. A quiet room is available for staff and students on both campuses.



ACCESS OFFICE

The Access Office promotes access to IT Tralee for groups who are underrepresented in higher education. This includes students with disabilities, students who are experiencing social and economic barriers to access, mature students, Travellers and minority groups. The Institute runs a range of support programmes to promote access:

- Mature Student Orientation and Transition programme;
- Financial guidance and support through the ESF Student Assistance Fund;
- Traveller access support through the Institute's Third-level Traveller Access Officers;
- Disability needs assessment and supports;
- Star Pupil Traveller Access to Education Programme;
- Pathfinders Second-level Schools Access Programme.

STUDENTS WITH SPECIFIC LEARNING DIFFICULTIES/LEARNING DIFFERENCE

If you have dyslexia or any other learning difference please contact Siobhan Mac Garry, Officer for Students with Learning Difference, who will meet with you to assess your possible support needs. The service caters for students with dyslexia; dyspraxia (DCD); Asperger's syndrome/ASD; borderline mild general learning difficulties; ADD/ADHD; acquired brain injury (ABI) or any other diagnosed learning difference.

STUDENTS WITH PHYSICAL OR SENSORY DISABILITIES, MENTAL HEALTH OR SIGNIFICANT HEALTH CONDITIONS

The Institute is committed to supporting your progress through your studies and is continually working to enhance the services and facilities available. Please make direct contact with the Access Officer to discuss your specific needs. A copy

of our Support Services Guide for Applicants with Disability or Learning Difference is available on request and at www.ittralee.ie

SCHOOLS ACCESS PROGRAMME

The Pathfinders Programme is an access initiative for all mainstream secondary schools in Kerry. In addition to the CAO route, the Institute runs a parallel application procedure and reserves a number of its third-level places for participants who complete the Pathfinders Second Level Schools Access Programme or apply via the Pathfinders Second Level Route. To be eligible for one of these places, the applicant must be from a family with a low income, meet two additional criteria and meet the entry requirements for their chosen course(s) of study. See the IT Tralee website for further details: ittralee.ie/pathfinders.

TRAVELLER ACCESS PROGRAMME

The Third Level Traveller Access Officers offer support to all members of the Traveller community who are interested in applying to IT Tralee, or who are attending the Institute. This is a confidential service which offers guidance and support on-campus and in the community. Support is available to mature learners, secondary school and PLC students and any member of the Traveller community. Help is available to choose your course and complete your application forms, and that help will continue through your studies if needed. Students identify themselves as Travellers at IT Tralee every year, and our Traveller community graduates have launched careers in areas linked to the courses they've chosen.

The Star Pupil Traveller Access to Education Programme provides information, guidance, support and summer work placement opportunities to students from the Traveller community who are in fifth year of a mainstream second-level school in Co. Kerry. The Institute has a direct application procedure for Star Pupils who successfully complete their Leaving Certificate. Every year, we reserve a number of third-level places for participants to pursue this programme. In order to be eligible, the

Star Pupil must complete the access programme and meet the reduced entry requirements for their chosen course(s) of study. See the IT Tralee website for further details: www.ittralee.ie.

ETHNIC MINORITY

In addition to the aforementioned Access Programmes and the Institute's Student Support Services, specific support is available to Access students from ethnic minority groups who experience significant language barriers to participating in their academic programme of study.

HOW DO I GET FURTHER INFORMATION?

Just contact the relevant student services staff member below:

Valerie Moore, Access Officer

T: +353 (0)66 719 1682
M: +353 (0)86 368 2453
F: +353 (0)66 712 5711
E: valerie.moore@staff.ittralee.ie

Siobhan MacGarry, Officer for Students with Learning Difference

T: +353 (0)66 719 1678
F: +353 (0)66 712 5711
E: siobhan.macgarry@staff.ittralee.ie

Veronique Lostal-Davern Pathfinders Co-ordinator

T: +353 (0)66 719 1861
F: +353 (0)66 712 5711
E: pathfinders@staff.ittralee.ie

Christina Boland, Third-level Traveller Access Officer

T: +353 (0)66 719 1871
F: +353 (0)66 712 5711
E: travelleraccess@ittralee.ie

Katie Coffey Third Level Traveller Access Officer for Junior Cycle Students

T: +353 (0)66 7191871
F: +353 (0)66 7125711
E: travelleraccess2@ittralee.ie

MATURE STUDENTS RETURNING TO EDUCATION

IT Tralee welcomes students from all backgrounds. On average, 20% of our students have returned to study after a number of years out of formal education. We value the contribution that you make and we reserve places on our courses for mature students. In this era of lifelong learning, we are committed to providing flexible and accessible learning opportunities, and are continually putting supports and services in place to assist you in your studies.

You are a mature student if you are aged 23 years or over on January 1st on the year of entry. In order to encourage participation, mature students are not required to have a Leaving Certificate. Each mature student is considered on an individual basis, usually through aptitude test, written assessment or interview. This process gives you the opportunity to demonstrate your suitability for third-level study.

HOW DO I CHOOSE A COURSE?

Attending a third-level course is a major commitment, and choosing the right course will require some groundwork. Think about the subjects that you like, and the ones you don't like. Which courses interest you? Being interested in the course is a vital ingredient in driving your motivation to study. Consider the following:

- What's the best way to develop your strengths and talents through learning?
- Does the course require a background in certain subjects?
- Are there specific entry requirements?
- Before applying for a place, get as much information as you can about the course;
- Talk to current students or graduates about the subjects and courses which interest you;



- Take the time to build your word-processing, email, file manager and internet browsing skills before term starts;
- Support from family and friends before you start can be a big help;
- Find out how many hours a week are spent in class;
- Find out how much study is needed every week.

We recommend attending our Open Day on 27th October, 2017, or one of the information evenings organised during the academic year. Check our website for upcoming events.

THE MATURE STUDENT ORIENTATION

As part of our commitment to supporting your academic, personal and professional progress, mature students are invited to attend an orientation programme in early September specifically designed for incoming mature students. You will be introduced to your Mature Student Peer Mentor at orientation. This is an experienced mature student who has volunteered his or her time to help you and answer questions about the student experience.

WHAT ARE MY STUDY OPTIONS?

Courses at the Institute are offered on a full-time or a part-time basis. Details of full-time programmes are provided in this prospectus. You'll also find additional information at www.ittralee.ie. Our courses are structured to allow you to move through the higher certificate, bachelor degree, honours bachelor degree, masters and PhD (doctorate) degree ladder system. Ab-initio means 'from the beginning' and students commit to a full three or four year programme from the start.

APPLICATION PROCESS

Most of our full-time first year courses are offered through the CAO - the Central Applications Office. The purpose of the CAO is to process applications for admission to the first year of undergraduate courses in institutions in the Republic of Ireland, and to do so in an efficient and fair manner. Application forms are completed online at www.cao.ie.

**The Central Applications Office,
Tower House,
Eglinton Street,
Galway.**

T: +353 (0)91 509 800

F: +353 (0)91 562 344

www.cao.ie

See page 138 for further information.

FEES

There are two main fee types - the tuition fee and the student contribution charge. Under the free fees initiative, the exchequer meets the tuition fees of eligible students attending approved third-level courses on a full-time basis. You're eligible if you are:

- pursuing a course on a full-time basis, are a first-time undergraduate and hold E.U. nationality or official refugee status and;
- have been ordinarily resident in an EU Member State for at least three of the five years preceding your entry to an approved third-level course. Further details on the eligibility criteria are available at www.studentfinance.ie

Where tuition fees are due, these fees may vary depending on the course, level of course and subjects taken.



You should contact the
Admissions Office for fee details.
T: +353 (0)66 714 5638
F: +353 (0)66 712 5711
E: admissions@ittralee.ie

In the current academic year the student contribution charge is €3,000. This charge is set down by the HEA and is subject to review each July. Students who qualify for a full grant will not be required to pay the charge as it is paid as part of their grant.

FINANCIAL SUPPORTS

There are a number of financial supports available to eligible mature students in third-level education. Contact the Institute for a copy of its financial supports leaflets, or view details at www.ittralee.ie/grantsandfinance. Check locally for other supports, e.g. through your local education and training board, banking institutions, or your local partnership and community development group.

Go to page 144 or visit www.studentfinance.ie for further information.

ACCESS OFFICER

The role of the Access Officer is to promote access for under-represented groups to third-level education at the Institute (see page 13). For further information contact:

Valerie Moore
Access Officer
T: +353 (0)66 719 1682
M: +353 (0)86 368 2453
F: +353 (0)66 712 5711
E: valerie.moore@ittralee.ie



CAREERS SERVICE

In an increasingly competitive employment market, the Careers Service at IT Tralee ensures that you will be in the best position possible to secure your spot in that market on graduation.

Throughout the academic year, we run a series of seminars, events and workshops designed to give you all the information you will need to launch a successful career. Specifically, we look at:

- career planning;
- self-assessment;
- occupations of interest;
- creating a profile;
- interview technique;
- study or work abroad;
- graduate programmes;
- postgraduate study;
- inter-college transfers.

You can meet with the Careers Officer either individually or in groups. Job vacancies are circulated regularly and are displayed on the Careers Office notice boards throughout the Institute, and on the careers office jobs board at www.ittralee.ie/careersoffice

HOW DO I GET FURTHER INFORMATION?

Carol Collins,
Careers Officer
T: +353 (0)66 719 1783
E: careers@list.ittralee.ie

SPORTS

At IT Tralee, we welcome both the accomplished athlete and the beginner. We offer a wide range of sports clubs which cater for both competitive and recreational sport. We promote a 'Sport for All' policy and our sports facilities are available to all of our students, from casual participants looking for fitness and fun, to star competitors aiming for national and international success. The various activities we organise on campus reflect that diversity, and range from recreational classes to sports events. In all, there are over 30 clubs to choose from.

Our sports teams now compete at the highest levels in intervarsity sport, and have recorded many significant victories in recent years, in both team and individual sports. If competitive sport is not your thing, there is also an extensive choice of recreational activities. Getting involved in our Clubs gives you the opportunity to meet new friends, develop new skills and travel. The Institute's sports programme launches on Clubs Day in the early days of first term. Everyone is encouraged to sign up for the sport/club of their choice on this day, though you can of course get involved at any stage throughout the year.

CONTACT DETAILS:
Jennifer Healy
Sports Officer
T: +353 (0)66 714 5644
E: jennifer.healy@staff.ittralee.ie



SPORTS CLUBS

Aerobics	Football	Ladies Football	Racquetball
Athletics	Golf	Ladies Rugby	Rowing
Badminton	Handball	Ladies Soccer	Rugby
Boxing	Hockey	Men's Basketball	Squash
Camogie	Hurling	Men's Soccer	Swimming
Cricket	Indoor Soccer	Olympic Handball	Tae Kwon Do
Cycling	Judo	Outdoor Pursuits (Abseiling, Canoeing, Caving, Hill Walking, Kayaking, Rock- Climbing, Surfing)	Tennis
Darts	Karate		Volleyball
Equestrian	Kickboxing		Weight Training
Fitness	Ladies Basketball		

SOCIETIES

Societies are an integral part of student experience on campus and play a vital role in balancing the academic and social aspects of student life. A society is essentially a student group that focuses on a particular artistic, creative or social area. Being part of a society while at college gives students the opportunity to experience and organise many different cultural, academic and social events and activities.

There are many benefits to being involved in societies, including learning new skills and making lasting friendships and having fun in the process. Societies provide a huge range of activities both on and off campus, throughout the academic year including:

- volunteering opportunities;
- leadership training;
- trips away;
- student lead media i.e. campus radio station & e-zine;
- guest speakers;
- social nights;
- exhibitions;
- national awards.

We look forward to seeing you join a society and contribute to the great campus experience!

RUN BY STUDENTS FOR STUDENTS

IT Tralee Societies are run by the students for the students and supported by staff of the Societies Office. The Societies Officer is available to help get societies off the ground, organise activities and help source funding.

Here at the IT Tralee, there are various cultural, academic and social societies. We hope there is something to suit everybody.

If for some reason there is an activity not represented here on campus, then contact the Societies Officer who will advise on how start your own society.

GET ACTIVE, GET INVOLVED

LIST OF ACTIVE SOCIETIES

Airsoft	MAG
Art	Mature Students
Christian Union	Music
Creative Media	Radio
Dance	Sign Language
DJ	SVP
Games Dev.	Toastmasters
International	TV, Film & Photography
LGBT (Lesbian, gay, bisexual, and transgender)	Wellbeing
	Wildlife
Macra	Writer Inc.

It is easy to GET INVOLVED! All you have to do is sign up during Clubs & Societies Day, held at the start of the academic year on both campuses. But if you miss out don't worry, you can join a society at any time throughout the year by attending one of their events or contacting the society via email or Facebook.

WHERE TO GO

Our Societies Officer is on campus five days a week for all your day to day society needs and information on events and activities.

Office opening hours are from 8am-3.30pm.

Mon, Tues, Thur & Fri - Q108 North Campus (Student Services Building)
Wed - C212 South Campus (Main Building)

CONTACT US

Societies Officer

T: +353 (0)66 7191782

Ext/Red Phones: 1782

E: societiesofficer@ittralee.ie

www.facebook.com/ITTraleeSocieties

If you prefer the personal touch call to the Societies Office for a chat, the door is always open.



STUDENTS UNION AND STUDENT ACCOMMODATION

STUDENT ACCOMMODATION

Apart, of course, from your course of study, accommodation is probably one of the most important aspects of life as a student. The Institute's proximity to Tralee town means there is a wide range of high quality accommodation available, including digs, self-catering houses and purpose-built student apartments.

The cost of self-catering accommodation - i.e. a room in a house or apartment - comes to approximately €60 or €70 per week, with additional charges for utilities such as light, heat, refuse and so on. A deposit is always required to confirm booking.

The Student Services office provides an online accommodation listing and advice link which gives details of suitable accommodation available in Tralee town. See www.ittraee.ie/accommodation or contact the Student Services Office on +353 (0) 66 7191722

THE STUDENTS' UNION

The IT Tralee Students' Union (SU) provides the focus for a wide range of student activities in Tralee. In addition to organising entertainment and events, it provides representation for students at all times, on and off campus. The SU also gives welfare and education advice. The union officers, all of whom are elected by students, make sure that your voice is heard throughout the Institute. All registered students are members of the Students' Union. Your full-time officers for the academic year 2017-2018:

President: Shaun Walsh

**Vice President (Education):
Sean Darcy**

**Vice President (Welfare):
Jessica Murphy**

Students' Union Contact Numbers:
T: +353 (0)66 714 4138
(South Campus)
T: +353 (0)66 719 1685
(North Campus)



SCHOLARSHIPS

You could be eligible for one of the many scholarships offered at the Institute of Technology Tralee. These scholarships reward excellence and encourage outstanding performance in a variety of fields. They are provided in recognition of academic or sporting excellence.

HOW DO I APPLY?

All students are encouraged to apply for scholarships. Scholarship application forms are available to download from www.ittralee.ie/scholarships. Eligibility criteria vary, as do the closing dates that apply. Check the information on each individual scholarship for application requirements and closing dates.

HOW DO I GET FURTHER INFORMATION?

The Admissions Office
T: +353 (0)66 714 5638
E: admissions@ittralee.ie

SPORTS SCHOLARSHIPS

IT TRALEE SPORTS SCHOLARSHIPS

Value: Up to a maximum of €1,000 per year, subject to satisfactory academic and sporting performance each year.

Duration: For the full course, i.e. of 2, 3 or 4 years duration, subject to annual review.

How to apply: You may apply directly to the IT Tralee Sports Officer. Scholarships are open to all students. T: + 353 (0)66 714 5644 or the Admissions Office T: + 353 (0)66 714 5638.

Deadline: Friday, 2nd March, 2018 at 5.00pm. In addition to the existing sports scholarship programme, IT Tralee offers elite performance scholarships. All details are available from the IT Tralee Sports Officer.



KERRY GAA BURSARY SCHEME

Value: €500 per year, subject to satisfactory academic and sporting performance each year.

Duration: Two year maximum, subject to annual re-application and review.

How to apply: You may apply directly to the IT Tralee GAA Games Promotion Office. This scholarship scheme is only open to IT Tralee registered students from the Kerry region. T: +353 (0)66 714 5642.

MUNSTER GAA BURSARY SCHEME

Value: €750 per year, subject to satisfactory academic and sporting performance each year.

Duration: Two year maximum subject to annual re-application and review.

How to apply: You may apply directly to the IT Tralee GAA Games Promotion Office or to the Munster GAA office. This scholarship is only open to IT Tralee registered students from the Munster region. T: + 353 (0)66 714 5642.

KENNEDY COACHES SPORTS SCHOLARSHIP

Value: €1,000 per year, subject to satisfactory academic and sporting performance each year.

Duration: For the full course, i.e. of 2, 3 or 4 years duration, subject to annual review.

How to apply: You may apply directly to the IT Tralee Sports Officer. This scholarship is only open to IT Tralee registered students. T: + 353 (0)66 714 5644.

TRALEE RUGBY CLUB SCHOLARSHIP

Value: Up to a maximum of €1,000 per year, subject to satisfactory academic and sporting performance each year.

Duration: For the current academic year. Annual re-application applies.

How to apply: You may apply directly to the IT Tralee Sports Officer. This scholarship is only open to IT Tralee registered students. T + 353 (0)66 714 5644.

ACADEMIC SCHOLARSHIPS

THOMAS MCELLISTRIM MEMORIAL SCHOLARSHIP

For: A student who has attended a second level school in Kerry who registers on either the BSc (Honours) in General Nursing or the BSc (Honours) in Mental Health Nursing at IT Tralee.

Value: €1,000

Duration: One academic year.

How to apply: The scholarship will be awarded to the student obtaining the highest points in the Leaving Certificate Examination and who is not already in receipt of a scholarship.

INTERNATIONAL CAMPUS

WELCOME, WELKOM, BIENVENUE, HOS GELDIN, TERVETULOA

The Institute has links with almost 100 third-level partners, and we warmly welcome students from all over the world. By choosing to study with us, you achieve an internationally recognised qualification and benefit from a friendly and professional learning environment.

MULTI-CULTURAL CAMPUS

Popular with students from the Middle East, China, Africa and Europe, international students in Tralee make up almost one sixth of the student population. We provide a safe, friendly and affordable multicultural environment in which to study.

DEDICATED INTERNATIONAL OFFICE

In addition to all of the services available to domestic students, international students in Tralee are also supported by our dedicated International Office staff, making Tralee a home-away-from-home for international students.

ACTIVITIES FOR INTERNATIONAL STUDENTS

Tralee is the capital town of County Kerry, which is itself one of the most popular tourist regions in Ireland. You have access to a wide range of activities and attractions on your doorstep, including hiking, surfing and sailing, together with a host of cultural and other visitor attractions. Outside the classroom, we offer a wide range of student sports and social activities. These have always been vital in helping our international students to get involved, interact and make friends. Tralee offers a distinctive student experience, both academically and socially.

STUDY ABROAD

Whether it's for a single semester or a full academic year, choosing to take advantage of IT Tralee's



study abroad opportunities allows you to turbo-charge your CV while simultaneously having the experience of a lifetime. To help ease the financial burden, you receive assistance with travel, accommodation and academic arrangements. Here are some of the benefits of choosing to study abroad:

- Return more motivated, independent and confident;
- Expand your education outside of the classroom during your time abroad;
- Build lifelong friendships and networks with people from around the world;
- Gain the ability to adapt to and thrive in a different culture;
- Become proficient, if not fluent, in another language.

WHAT IF I DON'T HAVE A STRONG ABILITY IN A SECOND LANGUAGE?

A number of IT Tralee's partner universities offer programmes through English even when that is not the native language of the country they're in. Students from Tralee have been able to study through English in France, Germany, the Netherlands, Spain and Turkey, among others.

WORK PLACEMENT ABROAD

A significant number of programmes at IT Tralee incorporate a work-based learning period, and many students choose to complete that element of their programme in another country. There are considerable benefits to completing a work placement in Ireland, but deciding to go abroad for an international work placement adds another dimension entirely, and that's precisely what a growing number of students from IT Tralee are doing every year. Our students have recently

gone on work placement to locations as diverse as Norway, France, Italy, Turkey, Spain, Lesotho, the USA and Finland.

IF I GO ABROAD TO STUDY OR ON WORK PLACEMENT, WILL THERE BE FUNDING AVAILABLE?

EU funded Erasmus+ programme offers mobility grants for both study abroad and work placement in EU and EEA countries, as well as in Norway, Iceland, Croatia, Turkey and Switzerland. If you qualify and are selected as an Erasmus student, you will receive a mobility grant. This normally covers transport costs only. If you receive a maintenance grant while studying in Ireland, this grant will continue through the period you spend studying abroad.

IN WHICH COUNTRIES CAN I STUDY?

IT Tralee has partner universities and colleges in Belgium, France, Germany, Finland, Netherlands, Italy, Sweden, Switzerland, Spain, China, Turkey, Lithuania and Slovakia. We regularly explore and open up new partnerships with other colleges and institutes around the world.

FOR FURTHER INFORMATION CONTACT:

Eddie Scully
International Manager
Institute of Technology, Tralee
Email: eddie.scully@staff.ittralee.ie
T: +353 (0)66 719 1689
F: +353 (0)66 7191633

The Perks of Studying at IT Tralee

Perk **No. 2** Campus

Train your body
and your brain.

€16.5m sports academy
opening in 2018.

SERVICES AND FACILITIES

We want you to be successful in your studies and to enjoy your time as a student. This is why we offer extensive academic support, together with a wide range of modern facilities, all designed to create the best possible environment in which to learn effectively.



LIBRARY

The library service at IT Tralee provides study and research facilities on both the North and South campuses. The library service provides support and access to all of the information and resources which you will need. These include:

- expert support and guidance from professional library staff;
- access to more than 30,000 volumes, plus subscriptions to more than 100 periodicals and journals;
- an extensive collection of electronic resources, including e-journals and e-books;
- flexible learning spaces - quiet study areas, a large group study room and project meeting rooms;
- computer areas with access to internet-enabled PCs;
- wireless internet access and laptop connectivity throughout each library;
- reading rooms with PCs and wireless access for laptops;
- a user education room for information literacy classes;
- an assistive technology room with hardware and software suitable for students with disabilities, including students with specific learning difficulties;
- a fully-equipped audio visual room.

Industry, business and community groups are also encouraged to avail of our library facilities.

FOR FURTHER INFORMATION

Pat Doherty, Institute Librarian

T: +353 (0)66 714 5620

www.ittralee.ie

<http://opac.ittralee.ie>

IT FACILITIES

Computer technology and applications form an integral part of almost all of our courses at IT Tralee, giving students essential practical experience of the latest hardware and software. In addition, we are continually investing in information and computer technology. This ensures that you have access to the most modern computer facilities. The Institute is connected to the internet by high-speed, resilient gigabit connections, giving us true broadband connectivity. In addition to general purpose laboratories, we also have specialist computer facilities



such as our Computer Aided Drafting (CAD) labs, together with dedicated language, computing and multimedia laboratories. During the academic year, computer laboratories are available outside class timetable hours, up to 10.00pm each weekday and 4.00pm on Saturday. For further detail on the software, network and internet facilities you can access, see www.ittralee.ie/computerfacilities

There are 27 computer laboratories across the Institute, including:

- Unix/Linux laboratories;
- Apple Mac Pro laboratories;
- multi core processor laboratories;
- computing laboratories;
- multimedia laboratories;
- CAD laboratories;
- computer-based training laboratories;
- networking and software development laboratories;
- language laboratories;
- Cisco IP telephony;
- technology enhanced classrooms;
- video conferencing facilities.

DIGITAL MEDIA CENTRE (DMC)

The IT Tralee Digital Media Centre includes a digital video editing suite, radio studio, recording studio, TV studio and music technology lab. The centre has three Mac labs and one multimedia lab that contain Mac and PC workstations integrated with the hardware necessary for the production of high end multimedia audio visual content.

The IT Tralee Radio Society broadcasts from the radio studio, providing news and entertainment to students and

staff on campus. The studio serves as a powerful resource to media students who are learning the craft of live broadcasting through the production of daily programmes.

The centre also contains a fully functioning television studio and control room. Programmes are created using multiple cameras under an integrated lighting system. Students get to experience all sides of the production process - as the live 'talent' in front of the camera, as floor managers or camera operators out on the studio floor or as the director operating from the control room overseeing the entire process.

THE HOTEL, CATERING AND TOURISM (HCT) BUILDING

This facility houses five state-of-the-art kitchens, a training restaurant, bar, a purpose-built demonstration kitchen theatre, class and resource rooms. The training restaurant is open to the public during the academic term and is managed by HCT students.

THE SÓLÁS NURSING AND HEALTHCARE FACILITY

The Sólás building is a purpose built, state of the art facility, which offers classrooms, meeting rooms, lecture theatres, conference facilities, boardroom, computer laboratories, nursing clinical skills suites and nursing interpersonal skills suites.

The fully equipped nursing clinical skills suites are designed to provide a simulated clinical learning environment. The student nurse can learn the

clinical skills of nursing through communicating and interacting with peers and experienced facilitators in a safe, non-threatening and friendly setting. The student will learn under supervision and then practice their newly acquired skills on their own in the suites during scheduled self-directed learning sessions.

SPORTS FACILITIES

Our sports facilities are available to all students, from casual participants looking for fitness and fun to star competitors aiming for national and international success. Our facilities include:

- all-weather synthetic pitches which can accommodate soccer, hockey, rugby, Gaelic football and hurling;
- sand based GAA grass pitch;
- sand-carpet athletics track;
- extensive walking and jogging routes;
- aerobics/dance studio;
- gym with the latest cardiovascular and resistance equipment and free weights area;
- specialised physiological testing of fitness levels in the Sport, Health and Performance Evaluation Centre (SHaPE Centre).

The facilities are used primarily by the Institute's students, staff and clubs but are also available to external clubs and organisations.



CRÈCHE FACILITIES

Campus Kids - located on the North Campus - offers a crèche service to students. It has capacity for 34 full day-care children as well as 17 morning and 17 after-school places. Campus Kids takes an holistic approach to the care and early education of children. The service is committed to offering its facilities to all, regardless of gender, marital or family status, age, disability, race, sexual orientation or religious beliefs. We also have an open door policy; parents are welcome at all times. This is especially relevant during the settling-in period.

FOR FURTHER INFORMATION

Campus Kids Crèche Manager.
E: dromtackercreche@gmail.com
T: +353 (0)66 7194769
www.campuskidskerry.com

BANKING SERVICES

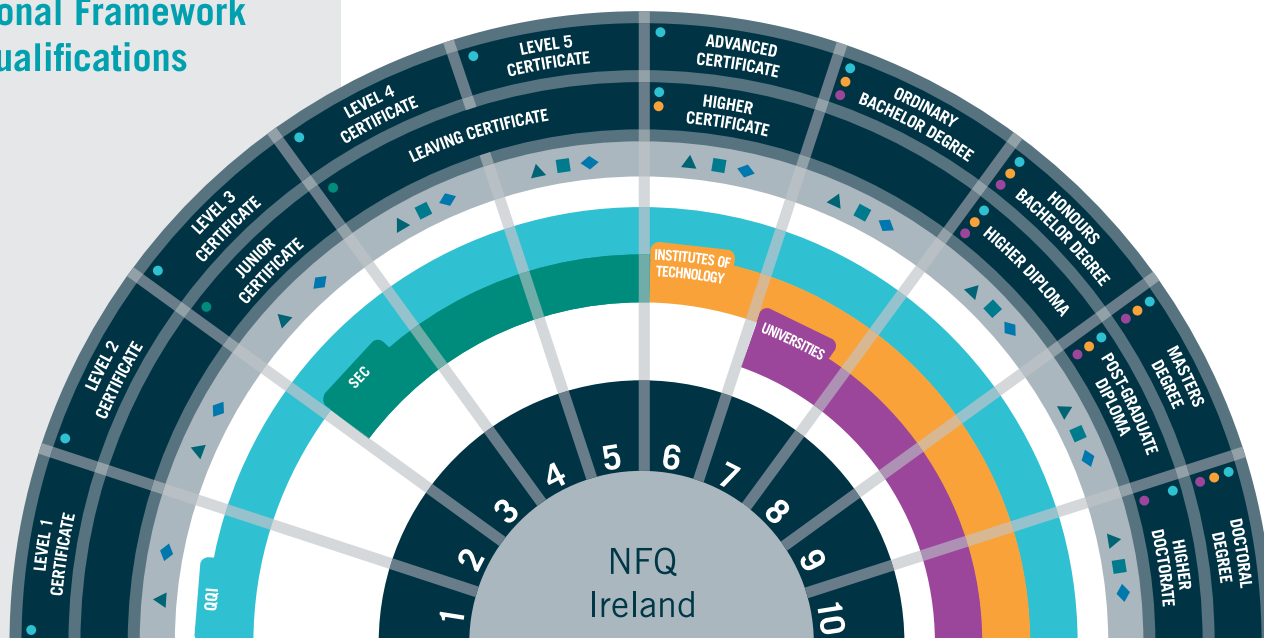
The Bank of Ireland provides exclusive on-site banking service including ATM services. The Bank has a designated student officer who advises students in regard to setting up accounts and other personal financial matters. The other main banks are located in Tralee and each has a designated student officer who will assist you in managing your finances.



THE NATIONAL FRAMEWORK OF QUALIFICATIONS (NFQ)

The National Framework of Qualifications (NFQ) has been in place since 2003. The NFQ is designed for the development, recognition and award of qualifications based on standards of knowledge, skill and competence acquired by learners. The framework consists of 10 levels, from basic learning to doctoral awards. Throughout this prospectus, you will see the NFQ level and award type to which a programme leads alongside other related information to help you understand and compare programmes of education and training.

The Institute offers a wide range of programmes through the CAO system at NFQ levels 6, 7 and 8. All programmes offered at levels 6 or 7 lead to a level 8 (honours degree) qualification within the Institute. In addition, the Institute offers taught programmes at level 9 (postgraduate diploma or masters degree) in computing and business and a wide range of postgraduate research programmes at level 9 (masters degree) and level 10 (PhD degree).



AWARDING BODIES

- Quality and Qualifications Ireland (QQI) makes awards in further and higher education and training
- SEC - State Examinations Commission (Department of Education and Skills)
- Institutes of Technology
- Universities

AWARDS IN THE FRAMEWORK

There are four classes of award in the National Framework of Qualifications:



- Major Awards:** named in the outer rings, are the principal class of awards made at a level
- Minor Awards:** are for partial completion of the outcomes for a Major Award
- Supplemental Awards:** are for learning that is additional to a Major Award
- Special Purpose Awards:** are for relatively narrow or purpose-specific achievement



For further Information consult: www.nfq.ie www.QQI.ie

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GLOSSARY

Third level education comes with a whole new vocabulary which can be confusing. Here we explain some terms commonly used at IT Tralee, which you might not be familiar with:

MODULES

Courses at IT Tralee are divided into modules and students are required to pass each module to successfully complete their programme of study. Modules may be compulsory or elective (optional).

SEMESTER

The academic year at IT Tralee is divided into two, fifteen week, semesters. Each semester is made up of twelve weeks of classes, followed by one study week and two weeks of exams.

CREDITS

Each module carries a number of credits. A typical module is worth 5 credits but this can vary. A student pursuing an honours degree will complete 240 credits. Module values can be viewed by clicking the module title on the course description pages on our website.

BLACKBOARD

Not the chalk version of old, blackboard is our online learning and teaching resource through which lecturers share lecture notes and course materials. It is also used to post announcements, run quizzes and hold discussions.

CA (CONTINUOUS ASSESSMENT)

This is the process whereby a student's progress is evaluated throughout the year and not just at the end of semester exams. CA's may involve preparing essays/papers, project work, laboratory work, practicals.

DISSERTATION

This is a long report or essay on a chosen subject that sets out the results of research carried out by a student or study of that subject. This is normally produced as part of a degree course.

UNDERGRADUATE

This is what a student is called when they are studying for their first degree.

POSTGRADUATE

This is someone who continues their studies after they have completed their undergraduate studies. A postgraduate student may continue their studies through research or on a taught programme.

SCHOOL OF BUSINESS, COMPUTING AND HUMANITIES

HEAD OF SCHOOL

Ms. Mary Rose Stafford

Academic Departments:

Business
Creative Media and Information Technology
Computing
Hotel, Culinary Arts and Tourism

School Administrator:

Mary O'Riordan
T: +353 (0)66 719 1659
F: +353 (0)66 719 1626
E: mary.oriordan@staff.ittralee.ie

The School of Business, Computing and Humanities strives to provide you with a supportive learning environment as you undertake your journey of personal and professional development. With a dedicated team of over 90 lecturers and researchers, the School offers a wide range of undergraduate programmes that will equip you with the knowledge and skills to become an effective practitioner, manager, leader or entrepreneur in a variety of industry sectors. If you successfully complete a Level 6 or Level 7 programme, you may continue your studies with an add-on programme, at the next NFQ Level, at IT Tralee and other higher education institutions. Completion of a Level 8 programme opens up a variety of postgraduate study opportunities to you at IT Tralee or elsewhere.

Programmes are designed and delivered with the input of industry partners and include work placement, real-world case studies, guest lectures from business leaders and field trips. In addition to industry-specific knowledge and skills, and to support employment readiness, you will also acquire key skills and competencies in areas such as communication, team-working, problem-solving, creativity and critical thinking.

With opportunities for undertaking study or work placement in many countries across Europe and further afield, and with over 100 international students enrolled on programmes in the School, your chances are plentiful for developing inter-cultural skills and an understanding of the global operating environment that characterises the marketplace for all industries today. The School of Business, Computing and Humanities is committed to providing you with an education that gives you the edge.

DEPARTMENT OF BUSINESS

Head of Department: Mr. Ray O'Connor Desmond

CODE	NFQ LEVEL		PAGE
TL831	8	Bachelor of Business (Honours) <i>(Degree Award options: Accounting or Marketing or Management)</i>	30
TL731	7	Bachelor of Business <i>(Degree Award options: Accounting or Marketing or Management)</i>	30

DEPARTMENT OF CREATIVE MEDIA AND INFORMATION TECHNOLOGY

Head of Department: Ms. Brigid Crowley

CODE	NFQ LEVEL		PAGE
TL801	8	Bachelor of Arts (Honours) in Animation, Visual Effects (VFX) and Motion Design	34
TL802	8	Bachelor of Arts (Honours) in TV, Radio and New Media Broadcasting	36
TL803	8	Bachelor of Arts (Honours) in Music Technology	38
TL805	8	Bachelor of Arts (Honours) in Business Information Management	40
TL605	6	Higher Certificate in Business Information Management	42

DEPARTMENT OF COMPUTING

Head of Department: Ms. Brigid Crowley

CODE	NFQ LEVEL		PAGE
TL810	8	Bachelor of Science (Honours) in Computing with Software Development	46
TL710	7	Bachelor of Science in Computing with Software Development	46
TL811	8	Bachelor of Science (Honours) in Computing with Games Development	48
TL711	7	Bachelor of Science in Computing with Games Development	48
TL812	8	Bachelor of Science (Honours) Computing with Digital Media	50
TL712	7	Bachelor of Science in Computing with Digital Media	50
TL815	8	Bachelor of Science (Honours) in Computing <i>(Degree award options: Software Development or Digital Media or Games Development)</i>	52
TL715	7	Bachelor of Science in Computing <i>(Degree award options: Software Development or Digital Media or Games Development)</i>	52
TL716	7	Bachelor of Science in Computer Systems and Networking	54
TL614	6	Higher Certificate in Science in Computer Systems and Networking <i>(Direct entry)</i>	54

DEPARTMENT OF HOTEL, CULINARY ARTS AND TOURISM

Head of Department: Ms. Mary Rose Stafford

CODE	NFQ LEVEL		PAGE
TL620	6	Higher Certificate in Arts in Culinary Arts	58
TL719	7	Bachelor of Arts in Culinary Arts	60
TL820	8	Bachelor of Arts (Honours) in Travel and Tourism Management	62
TL720	7	Bachelor of Arts in Travel and Tourism Management	62
TL621	6	Higher Certificate in Arts in Hotel Operations	64
TL622	6	Higher Certificate in Arts in Travel and Tourism	66

DEPARTMENT OF BUSINESS

HEAD OF DEPARTMENT

Mr. Ray O'Connor Desmond



The international business environment is very dynamic and organisations need graduates that are adaptable to change. With programmes that are designed for the real world, the Department of Business equips you with the skills - and provides many opportunities - to put the knowledge you have gained into practice through real world case studies and assignments and, in particular, through completion of a substantial work placement in Year 3. Work placement helps you to understand how what you have learned in the classroom works in reality, informs your studies in subsequent years and increases your chances of relevant employment on graduation.

In the first year of our Level 7 Bachelor of Business and Level 8 Bachelor of Business (Honours) degrees, you will gain a solid foundation in the key business disciplines before choosing to specialise in Accounting, Marketing or Management from the second year onwards.

If you wish, you may choose to study for a semester or full academic year at one of IT Tralee's 100+ international partner institutions across Europe and further afield. Depending on the institution chosen, you may opt to study through English or through the language of the host country. You will have the opportunity to immerse yourself in another culture and perhaps improve your foreign language skills.

Our degrees are accredited by relevant professional bodies. For example, if you complete a Level 8 Bachelor of Business (Honours) in Accounting at IT Tralee, you will gain maximum exemptions for the Association of Chartered Certified Accountants (ACCA) professional accounting qualification. If you complete the Level 8 Bachelor of Business (Honours) in Marketing, you are eligible to sit the Marketing Institute of Ireland (MII) Qualified Marketer examination.

With a solid grounding in the key business disciplines, on graduation you will be in a strong position to succeed in a general business environment, pursue employment opportunities relevant to your specialism in Accounting or Marketing, undertake postgraduate studies at masters (Level 9) or doctoral level (Level 10), or perhaps become an entrepreneur and establish your own business. Some past graduates have chosen to pursue a teaching career in second and third level education.

WHO DO I GO TO FOR FURTHER INFORMATION?

Mr. Ray O'Connor Desmond
Head of Department of Business
Tel: +353 (0)66 719 1659
www.ittralee.ie

What our graduates say about us:

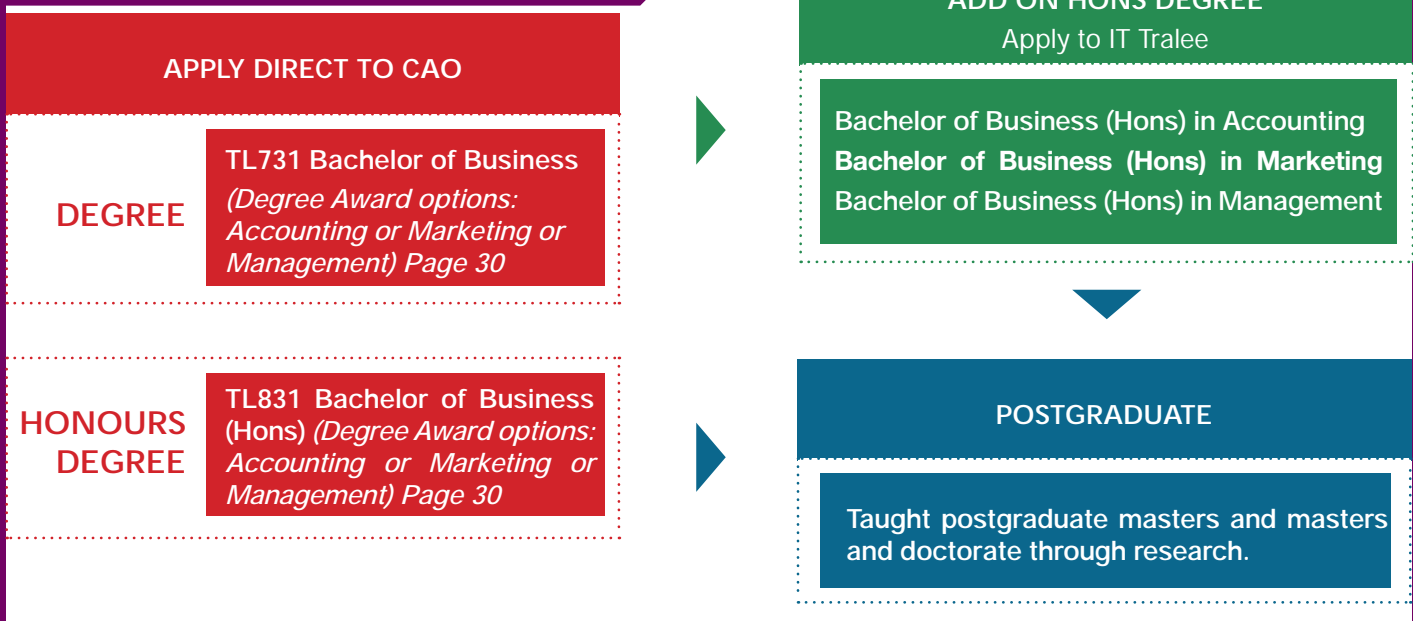
'Looking back at when I first chose to study at the Institute of Technology Tralee, I remember being overwhelmed with the choice available. I decided to choose my college not based on location, nightlife or as a quick route to leaving home, but to look at the courses and the resources available in colleges all around the country. Choosing the Institute of Technology Tralee became the obvious choice, the help and guidance I received from lecturers could not have been more valuable as well as the wealth of resources available to each and every student.

The course has enabled me to develop a vast range of skills which I felt I could bring directly to the work place as there are many projects which are industry-linked which are a great benefit when looking for employment. As a result of my time in Tralee, I have come to realise that on finishing you have all the skills available to push your career to the very limit and that you will only be limited by your ambition.

For any student considering choosing business at the Institute of Technology in Tralee, I would highly recommend making it your first choice, you will be given endless guidance and develop all the skills necessary to move forward in your career after college.'

Daniel Barrett – Product Development Manager at WAZP

COURSE PROGRESSION CHART



BACHELOR OF BUSINESS LEVEL 7

BACHELOR OF BUSINESS (HONOURS)

LEVEL 8

Degree Award Options:

- Accounting
- Marketing
- Management

COURSE: BACHELOR OF BUSINESS

Course Code:	TL731
Duration:	3 years
Apply to:	CAO
Number of places:	40
NFQ Level:	7

COURSE: BACHELOR OF BUSINESS (HONOURS)

Course Code:	TL831
Duration:	4 years
Apply to:	CAO
Number of places:	40
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Mr. Ray O'Connor Desmond
Head of Department of Business
T: +353 (0)66 719 1659
www.ittralee.ie/TL731
www.ittralee.ie/TL831

These programmes have been fine-tuned to create a structured business education that launches you into a successful career in business. You will gain a thorough grounding in the principles and practice of finance, marketing (including digital media and social marketing), management, creative problem solving and information technology. You will spend a full semester in year three on work experience, either in Ireland or abroad. This allows you to see your academic learning in action, and significantly boosts your employability at the end of the programme.

WHY STUDY BUSINESS AT IT TRALEE?

Studying at IT Tralee means plugging into a rich culture of entrepreneurship, giving you access to a range of highly successful businesses at the on-site Kerry Technology Park. The international reach of the Department is seen in the network of over 100 partner institutions across the EU, Canada, China and further afield, giving our students the option of studying abroad during the programme. Our degrees are accredited by relevant professional bodies. For example, if you complete a Level 8 Bachelor of Business (Honours) in Accounting at IT Tralee, you will gain maximum exemptions for the Association of Chartered Certified Accountants (ACCA) professional accounting qualification. If you complete the Level 8 Bachelor of Business (Honours) in Marketing, you are eligible to sit the Marketing Institute of Ireland (MII) Qualified Marketer examination.

WHAT ARE MY CAREER OPPORTUNITIES?

With the broad range of subjects studied during the programme, career opportunities are very varied. Past graduates have gone into accountancy, financial services, sales and marketing, public relations, event

management, information systems management, teaching and a wide variety of management functions in the private and public sectors.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Business (Honours)
(+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate
through research for level 8 graduates.

YEAR 1 - COMMON TO ALL STREAMS**Semester 1**

Introduction to Management
Communication
Principles of Accounting
Foundations of Marketing
Business Applications
Behavioural Science

Semester 2

International Business Environment
Accounting Applications
Microeconomics
Managing the Marketing Mix
Business & Contract Law
Business Mathematics

**ACCOUNTING
STREAM****YEAR 2****Semester 3**

Cost Accounting
Macroeconomics
Information Systems
Financial Reporting
Company Law
Preparing Financial Statements

Semester 4

Quantitative Methods
Creative Thinking & Innovation
Management Accounting
Capital Gains & CAT
Principles of Managerial Finance
Corporate Reporting

YEAR 3**Semester 5**

Management Practice
Work Placement Preparation
Corporate Finance
Audit Principles
Regulatory Framework of Accounting
Accounting for Decision Makers

Semester 6

Work Placement

**MARKETING
STREAM****YEAR 2****Semester 3**

Finance for Business
Macroeconomics
Information Systems
Personal Selling
Social Media Tools
Services Marketing

Semester 4

Quantitative Methods
Creative Thinking & Innovation
Consumer Culture
Retail Marketing
Marketing Research
Digital Marketing

YEAR 3**Semester 5**

Management Practice
Work Placement Preparation
International Marketing
Marketing Communications
Research Project
Visual and Content Marketing

Semester 6

Work Placement

**MANAGEMENT
STREAM****YEAR 2****Semester 3**

Finance for Business
Macroeconomics
Information Systems
Introduction to Human Resource Management
Company Law
Services Marketing

Semester 4

Quantitative Methods
Creative Thinking & Innovation
Procurement
Retail Marketing
Marketing Research
Organisational Behaviour

YEAR 3**Semester 5**

Management Practice
Work Placement Preparation
Enterprise Finance
Introduction to Supply Chain Management
Retailing
Employment Relations

Semester 6

Work Placement

YEAR 4 (TL831 only)**Semester 7**

Strategic Management Formulation
Databases
Audit Assurance
Accounting for Consolidations
Accounting for Management Control
Corporate & Deferred Tax

Semester 8

Strategic Management Implementation
Business Intelligence
Advanced Financial Reporting
Advanced Management Accounting
Financial Statement Analysis
Income Tax & VAT

YEAR 4 (TL831 only)**Semester 7**

Strategic Management Formulation
Databases
Web Analytics
Marketing Management
Brand Management
Sales Management

Semester 8

Strategic Management Implementation
Business Intelligence
Customer Experience Management
Direct Marketing
Digital Marketing Communication
Strategic Marketing

YEAR 4 (TL831 only)**Semester 7**

Strategic Management Formulation
Databases
Strategic Supply Chain Management
Project Management
Employment Law
Sales Management

Semester 8

Strategic Management Implementation
Business Intelligence
Strategic Human Resource Management
Business Simulation Game
International Trade
Retail Management

DEPARTMENT OF CREATIVE MEDIA AND INFORMATION TECHNOLOGY

HEAD OF DEPARTMENT

Ms. Brigid Crowley



The Department of Creative Media and Information Technology is at the forefront in delivering new media technology programmes. We prepare graduates to meet the growing national and international demand for skilled professionals in television, radio and new media broadcasting; animation, visual effects (VFX) and motion design; music technology; creative writing for digital media and information systems management.

Our programmes are designed in cooperation with industry, and are delivered by academic staff with wide-ranging experience in the relevant disciplines. We foster key skills in creativity, critical and analytical thinking, and enterprise in all of our students to enhance their employability and future career progression. Students gain first-hand experience in and out of the classroom and have opportunities to engage with our strong network of industry partners. Graduates of these programmes excel in their chosen sectors, establish their own enterprises and demonstrate a critically aware, theoretically informed view of their discipline.

The first two years of the programmes focus on developing core skills and competencies. Work placement, which takes place in the second half of year 3, is a key element of all creative media programmes in the Department. Students are placed with a wide range of regional, national and international organisations in Ireland, Europe and globally. This placement provides an opportunity for students to put into practice the skills they have gained in the modules. In Year 4, you undertake a capstone project which integrates the learning from the entire programme.

The Business Information Management programmes focus on the development of business professionals with an expertise in technology applications in business. The programmes produce graduates who work in a diverse range of sectors from education, local government and public service to retail, financial services, digital marketing, consultancy and ICT.

The programmes offered by the department will help prepare you to think and act as empowered citizens of this media-engaged and interconnected world. On completion of your undergraduate degree you can undertake postgraduate studies at Masters level through research.

WHO DO I GO TO FOR FURTHER INFORMATION?

Ms. Brigid Crowley

Head of Department of Creative Media and Information Technology

Tel: +353 (0)66 719 1659

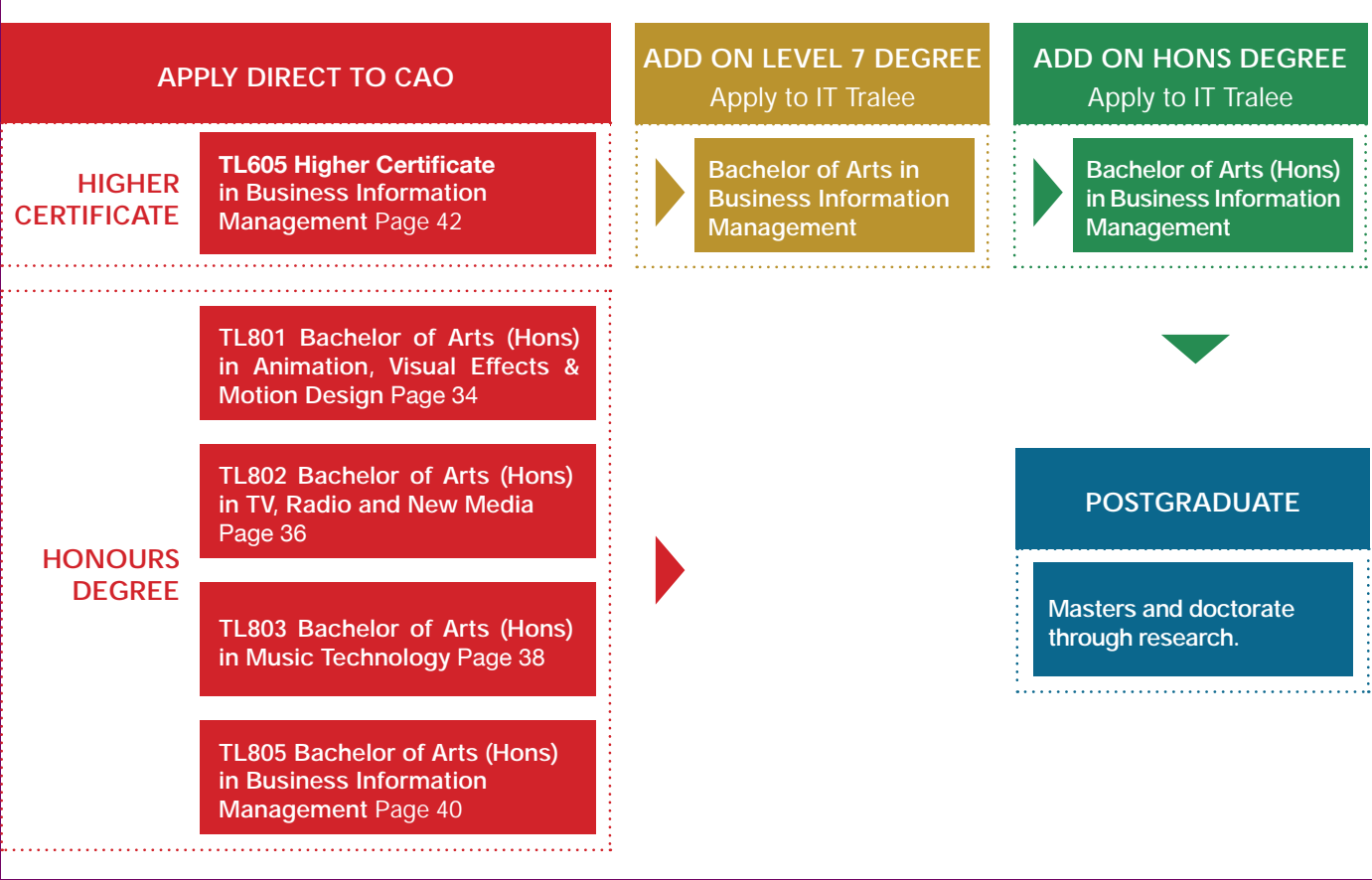
www.ittralee.ie

What our graduates say about us:

'I spent my time at IT Tralee studying the BA (Hons) in Music Technology course and I'm currently working as a sound technician in the Opera House in Cork. This often includes being a monitor engineer and/or FOH engineer depending on the gigs coming through. I also work as a location sound recordist and have worked on numerous films, ads, commercial and television work which alternates with the venue based work. If you're a musician like me and have an interest in getting into a career in audio, I'd recommend the course as it gives you a broad range of skills across the numerous audio industries to see what suits you.'

PJ Rankin – Sound Technician, Cork Opera House.

COURSE PROGRESSION CHART



BACHELOR OF ARTS (HONOURS) IN ANIMATION, VISUAL EFFECTS AND MOTION DESIGN

LEVEL 8

COURSE: BACHELOR OF ARTS (HONOURS) IN ANIMATION, VISUAL EFFECTS AND MOTION DESIGN

Course Code:	TL801
Duration:	4 years
Apply to:	CAO
Number of places:	24
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL801

This course gives you up-to-the-minute skills and industry relevant training in the animation and visual effects sector. It will introduce you to the core principles of creative film making, animation and visual storytelling. Ireland has one of the fastest growing animation sectors in the world; some of the largest animation companies are based here. This degree gives you the necessary practical and technical skills for employment in this rapidly expanding sector. There are modules on drawing/character development, illustration, design, character modelling, animation principles, puppet/set design, stop motion, digital graphics, visual effects, motion graphics, compositing, 2D/3D modelling, rigging, texturing, lighting, photography and digital cinematography.

The course also provides training in video, audio recording, research and design skills. As you progress through the programme, you develop particular specialisations based on your interests and skills.

In third year, you get invaluable experience by taking a 3-6 month internship with an animation, visual effects or digital media company.

WHY STUDY ANIMATION, VISUAL EFFECTS AND MOTION DESIGN AT IT TRALEE?

This course gives you the core skills to launch a career in Ireland's vibrant animation, games and visual effects industry. The content has been designed with extensive input from industry animators, in order to make sure our graduates have the skills that employers need. The degree is designed to foster creative talent in a technology-driven environment, enabling our students to design and develop animation content while working with the latest industry standard software. You get hands-on, practical,

applied training, and an appreciation of relevant theories underpinning the evolution of animation, visual effects and motion design.

WHAT ARE MY CAREER OPPORTUNITIES?

Our graduates begin careers in animation, film, games, TV, web animation, mobile and online content and advertising.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate



YEAR 1

Semester 1

Social Media Tools and Enterprise Studies
2D Animation
Sound and Digital Audio
New Media Concepts
Drawing and Modelling 1
Principles of Animation, Visual Effects and Motion Design

YEAR 2

Semester 3

Ideas, Representation and Society
Media Graphics
Pre-Visualisation
Video Production
Stopmotion Animation
Graphic Design and Typography

YEAR 3

Semester 5

3D Animation 2
Compositing 2
Professional Development
Motion Graphics 2
Illustration
Critical Theories

YEAR 4

Semester 7

3D Animation 3
Final Year Production (Design)
Emerging Technologies in New Media
Colour Grading

NOTE: ALL MODULES ARE MANDATORY.

Semester 2

Concept Development
Film and Narrative Studies
Directing and Movement for Animation
Photography
Drawing and Modelling 2
Independent Project

Semester 4

3D Animation 1
Television Studies: Media, Modes and Manipulation
Audio Production
Compositing 1
Motion Graphics 1
Digital Painting

Semester 6

Work Placement
Work Placement Review

Semester 8

Dynamic Motion Design
Final Year Production (Implementation)
Enterprising Media and the Arts

BACHELOR OF ARTS (HONOURS) IN TV, RADIO AND NEW MEDIA

LEVEL 8

COURSE: BACHELOR OF ARTS (HONOURS) IN TV, RADIO AND NEW MEDIA

Course Code:	TL802
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL802

This programme gives you everything you need to launch a successful career in the broadcasting industry. You develop traditional radio and TV skills, and get a thorough understanding of how new technologies are used in the world of communication and media. We encourage creativity and innovation through different methods of programme delivery and assessment, including interactive online learning, group discussions, critique sessions, workshops, practicals and studio work. Project work is a key component of what we do, and we supplement our learning materials with presentations from visiting industry experts.

The industry work placement is a vital component of the degree. This takes place in semester six (year three) of the course. Alternatively, you can work as part of an internal design team, creating digital content.

WHY STUDY TV, RADIO AND NEW MEDIA AT IT TRALEE?

Our state-of-the-art Digital Media Centre (DMC) features a TV studio, a radio studio, multimedia editing suites, an audio/video library suite, a dedicated recording studio and common project work and exhibition space. We also have dedicated high-spec multimedia Mac/PC labs, running the latest operating systems and the most recent industry-standard versions of the relevant software, including Apple Final Cut suite, Adobe production/web/ design suites and 3D Studio Max.

WHAT ARE MY CAREER OPPORTUNITIES?

Our graduates work in television as video editors, researchers, in post-production, as producers, editors, programme schedulers, executive producers, directors and managers. In radio, they work as production co-ordinators, audio editors, researchers, in technical support, as producers, executive producers, station managers

and programme controllers. In the new media/web development area, our graduates work as social media and web communications managers, bloggers and new media content creators for web platforms and mobile devices.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research.

www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Sound and Digital Audio
New Media Concepts
Photography
Media Principles
Social Media Tools and Enterprise Studies
Concept Development

YEAR 2**Semester 3**

Programming for Digital Art
TV/Video Production - Factual
Ideas, Representation and Society
Media Writing
Radio Journalism

YEAR 3**Semester 5**

Critical Theories
Web Content Management
Professional Development
Radio Production 2
TV Broadcasting

YEAR 4**Semester 7**

Final Year Production (Design)
Crafted Radio Programming
Advanced Video Post-Production
Emerging Technologies in New Media

Semester 2

Audio Production
Film and Narrative Studies
Independent Project
Media Practice
Fundamentals of Web Development

Semester 4

Radio Production
TV/Video Production - Fictional Narrative
Television Studies: Media, Modes and Manipulation
Cross Platform Storytelling
2D Animation

Semester 6

Work Placement
Work Placement Review

Semester 8

Final Year Production (Implementation)
Broadcast Paradigms
Enterprising Media and the Arts

Note: As well as the mandatory modules listed you will study a number of elective modules. Elective module information can be found at www.ittralee.ie/TL802. Electives are offered subject to demand and resources.

BACHELOR OF ARTS (HONOURS) IN MUSIC TECHNOLOGY LEVEL 8

COURSE: BACHELOR OF ARTS (HONOURS) IN MUSIC TECHNOLOGY

Course Code:	TL803
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL803

Music technology at IT Tralee explores the creative possibilities of technology in the areas of audio production, music composition and digital media. You use industry-standard software and hardware to develop skills in sound recording, live sound engineering, audio post-production, sound design, live electronics, sound synthesis and sensor technology.

The course also encourages you to use music technology as a creative tool in composition. Our students work across media, formulate independent thinking and develop team work skills. As the course progresses, you will work on multi-disciplinary group projects with students from the related disciplines of visual effects and motion graphics, TV, radio, film, games and new media. The programme is delivered through a blend of interactive online learning, group discussions, critique sessions, workshops, guest speakers from industry, hands-on projects, studio work and collaborative projects.

The industry work placement, which takes place in third year, is a vital component of the degree. Alternatively, you can work as part of an internal design team, creating digital content entries for national and international media applications awards.

WHY STUDY MUSIC TECHNOLOGY AT IT TRALEE?

This course has been designed for enthusiasts, for people with a passion to apply their technical and creative skills to music, broadcasting, new media and gaming. All modules are taught by experts in their field, while the modules themselves have been developed following close consultation with our extensive network of music industry contacts. IT Tralee is an 'Avid Learning Partner', which means you can get additional professional accreditation in Pro Tools hardware and software at a reduced additional cost. While we do emphasise timetabled lectures, tutorials,

workshops and regular assignments, students also get an opportunity to work independently in studios and labs to produce their own work. Our state-of-the-art facilities include a dedicated recording studio, music technology Mac/PC laboratories and the IT Tralee Digital Media Centre, a digital production and post-production facility.

WHAT ARE MY CAREER OPPORTUNITIES?

Our graduates take up employment opportunities in the areas of music recording and production, performance, composition, TV, radio, film, new media, software development, games, mobile and web technologies and education.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Sound and Digital Audio
 New Media Concepts
 Media Principles
 Understanding Music
 Social Media Tools and Enterprise Studies
 Concept Development

YEAR 2**Semester 3**

Audio Electronics
 Digital Audio Workstation
 Ideas, Representation and Society
 Recording Studio Engineering
 Song Writing
 TV/Video Production - Factual

YEAR 3**Semester 5**

Professional Development
 Audio Post Production
 Music for Media
 Critical Theories
 Sound Synthesis and Electroacoustic Composition
 Games Audio

YEAR 4**Semester 7**

Final Year Production (Design)
 Emerging Technologies in New Media
 Interactive Music Programming
 Film Music
 Surround Sound

Semester 2

Audio Production
 Film and Narrative Studies
 Media Practice
 Worlds of Music
 Independent Project
 Fundamentals of Web Development

Semester 4

Music Production
 Harmonic Writing
 Audio Mixing
 Live Sound Engineering
 Television Studies: Media, Modes and Manipulation
 TV/Video Production - Fictional Narrative

Semester 6

Work Placement Review
 Work Placement

Semester 8

Final Year Production (Implementation)
 Audio Mastering
 Enterprising Media and the Arts
 Music in Education

Note: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL803.
 Electives are offered subject to demand and resources.

BACHELOR OF ARTS (HONOURS) IN BUSINESS INFORMATION MANAGEMENT LEVEL 8

Programme Streams:
• Business Administration
• Web Analytics

COURSE: BACHELOR OF ARTS (HONOURS) IN BUSINESS INFORMATION MANAGEMENT

Course Code:	TL805
Duration:	4 years
Apply to:	CAO
Number of places:	40
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL805

This course is designed to give our students a comprehensive range of business principles and management skills. The aim is to deliver expertise in the technologies and applications for business information systems.

The programme has a strong focus on technology for business, covering areas such as enterprise applications, web development, social media and analysis.

The industry work placement, which takes place in third year, is a vital component of the degree. In year four, you can specialise in either business administration or web analytics.

WHY STUDY BUSINESS INFORMATION MANAGEMENT AT IT TRALEE?

Ireland's Information and Communications Technology (ICT) sector is among the most vibrant in the world. Our programme, which has been developed in close consultation with employers in the region, delivers the skills those employers need, making sure that our graduates exit the programme with a highly marketable degree.

WHAT ARE MY CAREER OPPORTUNITIES?

Our graduates work in business administration, education, e-learning, web technologies, IT systems support, website development, e-business, teaching and the multimedia industry. A number of graduates who went on to complete additional postgraduate qualifications are currently teaching in the areas of business and IT at second and third level throughout the region.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research.

www.ittralee.ie/postgraduate

YEAR 1**Semester 1**

Financial Accounts
 Business Administration
 Information Technology for Administration
 Text Processing Fundamentals
 Business Communications
 Introduction to Law

YEAR 2**Semester 3**

Databases for Business
 Business Mathematics
 Introduction to Management
 Advanced Document Production
 Fundamentals of Web Development

YEAR 3**Semester 5**

Professional Development
 Research Project
 Web Content Management
 Management Practice

Semester 2

Applications for Accounting
 Concept Development
 Marketing
 Social Media Tools
 Document Production

Semester 4

Introduction to Economics
 Business Processes
 Marketing Research
 Application Development
 Information Systems

Semester 6

Work Placement
 Work Placement Review

**BUSINESS ADMINISTRATION
STREAM****YEAR 4****Semester 7**

Business Systems Management
 Project Design
 Digital Marketing Communication
 Customer Experience Management
 Employment Law

Semester 8

BIS Project Implementation
 Business Intelligence
 Business Analysis
 Strategic Human Resource Management

**WEB ANALYTICS
STREAM****YEAR 4****Semester 7**

Business Systems Management
 Project Design
 Digital Marketing Communication
 Customer Experience Management
 Quantitative Analytics

Semester 8

Analytics Project Implementation
 Business Intelligence
 Business Analytics
 Cloud Computing

NOTE: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL805.
 Electives are offered subject to demand and resources.

HIGHER CERTIFICATE IN BUSINESS INFORMATION MANAGEMENT LEVEL 6

COURSE: HIGHER CERTIFICATE IN BUSINESS INFORMATION MANAGEMENT

Course Code:	TL605
Duration:	2 years
Apply to:	CAO
Number of places:	36
NFQ Level:	6

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL605

If you are planning a career as an administrative professional, the Business Information Management programme gives you the skills to drive your career forward. This programme unites the practical elements of information processing with in-depth knowledge of today's business environment. If you already have experience working in administration, this course provides an excellent opportunity to update your skills and get an academic qualification in the most up-to-date technologies and theories. The course is delivered using an innovative blend of lectures, tutorials, practicals/projects, seminars, workshops, guest lectures and site visits. We also place a strong emphasis on practical work. End of year results are determined through a combination of continuous assessments and final examination.

WHY STUDY BUSINESS INFORMATION MANAGEMENT AT IT TRALEE?

One of the key features of this programme is its flexibility. Our students are given a range of different ways to progress to degree level. The environment is always friendly and supportive, with access to state-of-the-art computer laboratories. Modules in web applications, desktop publishing, business applications and law allow you to develop the knowledge and skills to give you the edge in this competitive field.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates take up employment opportunities in office administration, healthcare administration, in supervisory level positions, as small business owners, web and social media designers and/or middle managers.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8
Bachelor of Arts (Honours) in Business Information Management (+2 Years)

LEVEL 9/10
Postgraduate masters or doctorate through research.
www.ittralee.ie/postgraduate

COURSE OUTLINE

**YEAR 1****Semester 1**

Financial Accounts
 Business Administration
 Information Technology for Administration
 Text Processing Fundamentals
 Business Communications
 Introduction to Law

YEAR 2**Semester 3**

Databases for Business
 Business Mathematics
 Introduction to Management
 Advanced Document Production
 Fundamentals of Web Development

Semester 2

Applications for Accounting
 Concept Development
 Marketing
 Social Media Tools
 Document Production

Semester 4

Introduction to Economics
 Business Processes
 Marketing Research
 Application Development
 Information Systems

Note: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL605.
 Electives are offered subject to demand and resources.

DEPARTMENT OF COMPUTING

HEAD OF DEPARTMENT

Ms. Brigid Crowley



The computing sector remains one of the most vibrant in the Irish economy, and continues to play a key role in our ongoing recovery. In its recent report the Expert Group on Future Skills Needs stated that 'labour market outcomes for computing qualification holders are very positive: there is a strong demand for computing skills in the labour market, particularly in professional occupations, and the highest shares in employment (even among the younger cohorts) are a reflection of these opportunities; while the output from the education system is continuing to increase, it is not sufficient to meet current demands.' (Monitoring Ireland's Skills Supply - Trends in Education and Training Outputs 2015, Expert Group on Future Skills Needs, July 2015).

The Department of Computing offers programmes that are designed in collaboration with industry and this is reflected in an emphasis on professional and transferable skills. Programmes are offered in software development, games development, digital media and information technology support. They are delivered by academic staff with a wide range of industrial and research experience. Graduates of the programme are highly sought after by industry and business because their knowledge and skills are applicable to today's technology and to many of tomorrow's.

The programmes in software development, games development and digital media share a common core with specialized modules for each programme. Programming and system development are seen as core to these degrees. The Computer Systems and Networking programmes focus on technical support for computer systems. As well as learning to program and think analytically, you will be encouraged to work in teams and develop your communication skills. Work placement forms part of all programmes in the department. Students are placed for a full semester with companies locally, nationally and internationally. This gives a valuable insight into your chosen field and allow you to see how your skills transfer to the real world. In Year 4, you undertake a capstone project which integrates the learning from the entire programme. Our graduates' knowledge and skills embody principles which will outlast today's technology, making them highly sought after by industry and commerce alike. On completion of your undergraduate degree you can undertake postgraduate studies at masters level by research and progress to doctorate.

WHO DO I GO TO FOR FURTHER INFORMATION?

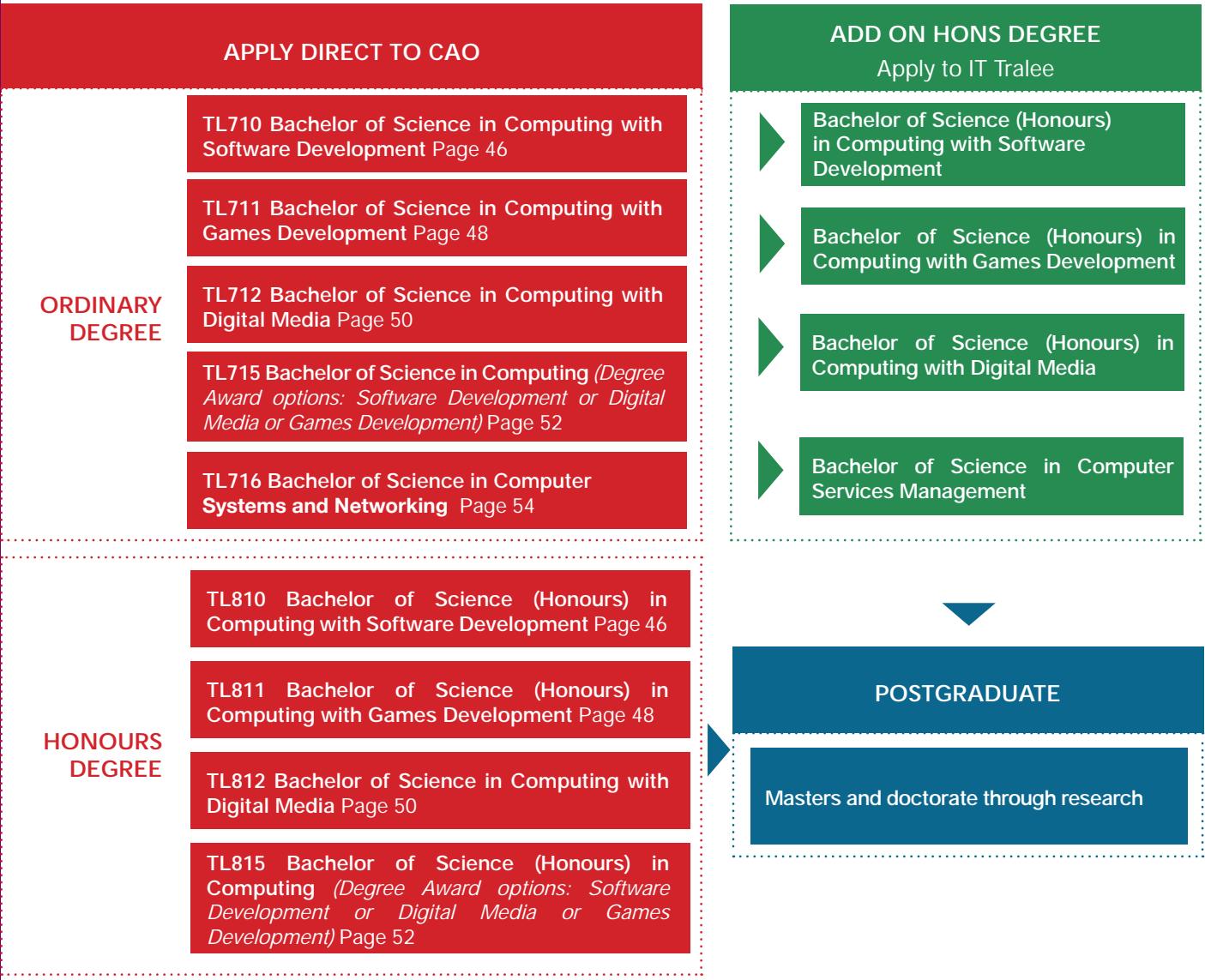
Ms. Brigid Crowley
Head of Department of Computing
Tel: +353 (0)66 719 1659
www.ittralee.ie

What our graduates say about us:

‘My time at the Institute of Technology Tralee was an invaluable life experience. The Computing with Software Development course fully facilitated my desire to acquire the knowledge and cutting-edge skill set required for a successful career in the ICT sector. I found the content, while at times intensive and challenging, refreshingly innovative and rewarding. The lecturers are helpful, motivated, and dedicated. Their knowledge is up-to-date and relevant in an ever-changing industry. This is complemented by a strong emphasis on a practical and hands-on learning approach which fully prepared me for life in industry. I would recommend the course for anyone with an interest in fulfilling a career in the ICT sector.’

Conor Hayes – Software Engineer, Diomac Business Solutions

COURSE PROGRESSION CHART



BACHELOR OF SCIENCE IN COMPUTING WITH SOFTWARE DEVELOPMENT LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH SOFTWARE DEVELOPMENT LEVEL 8

COURSE: BACHELOR OF SCIENCE IN COMPUTING WITH SOFTWARE DEVELOPMENT

Course Code:	TL710
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH SOFTWARE DEVELOPMENT

Course Code:	TL810
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
and Information Technology
T: +353 (0)66 719 1659
www.ittralee.ie/TL710
www.ittralee.ie/TL810

These courses are designed to give you the skill and competence design and build applications used by business and consumers. Their primary focus is on developing your ability to use computer languages. Modules include Introduction to Programming, Object Oriented Programming 1, 2, 3 & 4, Algorithms, Software Engineering, Object Oriented Analysis and Design.

We cover Computer Architecture and Operating Systems, and we explore networking and how computers interconnect. We look at databases, mathematics, logic and software development, together with a range of additional modules, all of which address cutting edge ICT issues.

All of our students spend a full semester, or equivalent, on work placement in third year. In fourth year, our honours degree students study a variety of modules at a more advanced level. These include programming, software development, networks and project management. You also complete a final year project which draws on all you have learned throughout the programme.

WHY STUDY COMPUTING WITH SOFTWARE DEVELOPMENT AT IT TRALEE?

We provide the environment to allow those with a passion for software development to achieve their goals. Our programmes encourage you to follow your strengths and interests through a range of project activities that are embedded in course content. These projects, together with the emphasis on career development in the programmes, make studying computing at IT Tralee deeply relevant to real life situations, providing you with the perfect launch pad for a successful career. Our graduates are skilled in both research methods and project management. They are team-workers,

who have the skills to progress to project-leading activities.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates take up a wide variety of roles, including programmer/software developer in a technology enterprise, developer of digital media and audio/video content, network technician or administrator, database administrator, web developer or web manager. Many are also self-employed in the ICT area.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Computing with Software Development (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Structured Programming 1
 Rapid Application Development
 Computer Architecture
 Web Development 1
 User Interfaces
 Network Fundamentals

YEAR 2**Semester 3**

Database Programming
 Server Side Development
 Routing Concepts and Protocols
 Object Oriented Programming
 Requirements Engineering

YEAR 3**Semester 5**

Data Analytics
 Professional Development
 Object Oriented Analysis and Design
 Data Structures & Concurrency
 Web Frameworks
 Software Tools

YEAR 4 (TL810 only)**Semester 7**

Advanced Database Programming
 Security and WAN Services
 Final Year Project (Design)
 Software Design Patterns
 Software Project Management
 Software Quality Management

Semester 2

Structured Programming 2
 Database Concepts
 Mathematics
 Operating Systems 1
 Web Development 2

Semester 4

Software Testing
 Client Side Scripting
 Algorithms and Data Structures
 LAN Switching and Wireless
 Scripting
 Software Engineering Project

Semester 6

Work Placement
 Work Placement Review

Semester 8

Development Operations and Application Stores
 Final Year Project Development
 Cloud Application Development
 Distributed Computing

Note: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL810.
 Electives are offered subject to demand and resources.

BACHELOR OF SCIENCE IN COMPUTING WITH GAMES DEVELOPMENT LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH GAMES DEVELOPMENT LEVEL 8

COURSE: BACHELOR OF SCIENCE IN COMPUTING WITH GAMES DEVELOPMENT

Course Code:	TL711
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH GAMES DEVELOPMENT

Course Code:	TL811
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media and Information Technology
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www.ittralee.ie/TL711
www.ittralee.ie/TL811

These programmes give you all the skills you need to work with computers and computer systems, providing the bedrock to a thriving career in the vibrant ICT sector, in Ireland and internationally. There are modules in Object Oriented Programming, Algorithms & Data, Software Engineering, Computer Architecture, Operating Systems, Networks, Database Programming and Web Development. Given the games development specialisation, all of our students take additional modules in design and graphics and in creating games.

The work placement plays a vital role in these programme. Our students spend a full semester, or equivalent, gaining relevant, real world experience in a workplace environment in third year. This is invaluable in providing a sense of how you apply what you have learned and see how the workplace is organised.

Fourth year, taken only by students on the honours degree programme, builds on the learning of the first three years and includes advanced modules in a range of subjects, including Database Programming, Software Development, and Networks. Specialist modules in Artificial Intelligence and Games Development are also offered.

WHY STUDY COMPUTING WITH GAMES DEVELOPMENT AT IT TRALEE?

The ICT sector is going from strength to strength, both here and abroad, while Ireland continues to carve out an exciting niche in games development. The course provides a comprehensive range of integrated content that helps our students to build the skills that provide a solid foundation for both further study and a career in the ICT industry.

Programming skills are fundamental to games development, and the heavy

bias towards programming in this course means that our graduates are very highly regarded in the industry. In addition to the right mix of skills, their workplace oriented mind-set gives them a keen edge in a highly competitive environment.

The department is located on the Institute's North Campus, adjacent to Kerry Technology Park, where a number of new, exciting and highly successful technology enterprises are based. Our close links with these enterprises have been invaluable in providing employment opportunities for our graduates.

WHAT ARE MY CAREER OPPORTUNITIES?

Depending on their particular skill-sets, our graduates find work in a variety of roles, including programmer/software developer with a games company, media or other technology enterprise, developer of digital media and audio/video content, network technician and administrator, database administrator, web developer or web manager. They also take up employment opportunities as network administrators and computer technicians.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Computing with Games Development (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Structured Programming 1
 Rapid Application Development
 Computer Architecture
 Web Development 1
 User Interfaces
 Network Fundamentals

YEAR 2**Semester 3**

Database Programming
 Games Development
 Routing Concepts and Protocols
 Object Oriented Programming
 Requirements Engineering

YEAR 3**Semester 5**

Data Analytics
 Professional Development
 Object Oriented Analysis and Design
 Data Structures & Concurrency
 Computer Graphics
 Software Tools

YEAR 4 (TL811 only)**Semester 7**

Advanced Database Programming
 Security and WAN Services
 Final Year Project (Design)
 Games Middleware
 Software Project Management
 Software Quality Management

Semester 2

Structured Programming 2
 Database Concepts
 Mathematics
 Operating Systems 1
 Web Development 2

Semester 4

Software Testing
 Practical Gaming
 Algorithms and Data Structures
 LAN Switching and Wireless
 3D Animation
 Software Engineering Project

Semester 6

Work Placement
 Work Placement Review

Semester 8

Artificial Intelligence
 Final Year Project Development
 Distributed Computing
 Games for Mobile Devices

Note: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL811.
 Electives are offered subject to demand and resources.

BACHELOR OF SCIENCE IN COMPUTING WITH DIGITAL MEDIA LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH DIGITAL MEDIA LEVEL 8

COURSE: BACHELOR OF SCIENCE IN COMPUTING WITH DIGITAL MEDIA

Course Code:	TL712
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN COMPUTING WITH DIGITAL MEDIA

Course Code:	TL812
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
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www.ittralee.ie/TL712
www.ittralee.ie/TL812

These programmes give you all the skills you need to work with computers and computer systems, providing the bedrock to a thriving career in the vibrant ICT sector, in Ireland and internationally. There are modules in Object Oriented Programming, Algorithms & Data, Software Engineering, Computer Architecture, Operating Systems, Networks, Database Programming and Web Development. As a student specialising in digital media, you take additional modules in Animation, Media Production and Motion Graphics.

Our students spend a full semester, or equivalent, gaining relevant, real world experience in a workplace environment in third year. This is invaluable in giving you a sense of how to apply what you have learned and to see how the workplace is organised.

The first three years of the Level 7 and Level 8 programmes are common. Fourth year on the honours course builds on the first three years and includes advanced modules in a range of subjects, including Database Programming and Software Development. You also cover specialist digital media modules in topics which include Dynamic Motion Design and Emerging Technologies in New Media.

WHY STUDY COMPUTING WITH DIGITAL MEDIA AT IT TRALEE?

We have drawn on our long experience of computing and software development to create this specialism in media development. The course delivers a comprehensive range of integrated content that helps you to build core programming skills, together with specialist expertise in the rapidly growing field of media development. As a graduate in Computing with Digital Media, you will be uniquely qualified to work with organisations involved in the development of material for web sites and other e-services.

WHAT ARE MY CAREER OPPORTUNITIES?

Depending on their particular skill-sets, our graduates take up work in a variety of roles, including programmer/software developer, developer of digital media and audio/video content, network technician and administrator, database administrator, web developer or web manager. They also take up employment opportunities as network administrators and computer technicians.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Computing with Digital Media (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Structured Programming 1
Rapid Application Development
Computer Architecture
Web Development 1
User Interfaces
Network Fundamentals

YEAR 2**Semester 3**

Database Programming
Server Side Development
Sound and Digital Audio
Object Oriented Programming
Requirements Engineering

YEAR 3**Semester 5**

Data Analytics
Professional Development
Object Oriented Analysis and Design
Data Structures & Concurrency
Web Frameworks

YEAR 4 (TL812 only)**Semester 7**

Advanced Database Programming
Sensor Technology
Final Year Project (Design)
Emerging Technologies in New Media
Software Project Management
Software Quality Management

Semester 2

Structured Programming 2
Database Concepts
Mathematics
Operating Systems 1
Web Development 2

Semester 4

Software Testing
Client Side Scripting
Algorithms and Data Structures
3D Animation
Media Production
Software Engineering Project

Semester 6

Work Placement
Work Placement Review

Semester 8

Dynamic Motion Design
Final Year Project Development
Cloud Application Development
Games for Mobile Devices

Note: As well as the mandatory modules listed you will study a number of elective modules.
Elective module information can be found at www.ittralee.ie/TL812.
Electives are offered subject to demand and resources.

BACHELOR OF SCIENCE IN COMPUTING

LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN COMPUTING

LEVEL 8

Degree Award Options:

- Software Development
- Digital Media
- Games Development

COURSE: BACHELOR OF SCIENCE IN COMPUTING

Course Code:	TL715
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN COMPUTING

Course Code:	TL815
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
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www.ittralee.ie/TL715
www.ittralee.ie/TL815

WHAT IS COMPUTING?

Computing professionals are in high demand and short supply. The Computing programmes in IT Tralee prepare graduates to be problem solvers and innovative thinkers.

These are the most flexible of our Computing programmes, allowing students to choose their specialisation, at the end of year 1. You will be given the opportunity to experience each of the three specialist areas before making our choice. The programmes are designed to develop your technical skills in the core areas of computing and your specialism while also developing the skills necessary for a successful career.

Work placement is an integral part of the programmes and a full semester, or equivalent is spent on work placement in third year, ensuring a smooth transition to the workplace when you graduate.

The first three years are common to both programmes. Fourth year, which is undertaken by the students on the honours degree programme, allows students to continue their studies at a more advanced level. Students undertake a capstone project using the knowledge gained through the four years of studies.

WHY STUDY COMPUTING AT IT TRALEE?

The Computing and Information Technology sector continues to be a driving force in our economy and the demand for graduates outstrips supply. This programme produces graduates with the skills that are highly sought after by local, national and international employers. It has been designed using input from industry, graduates and students. These programmes cover a comprehensive

range of core computing areas, together with your chosen specialism, ensures that you have a solid foundation for a successful career. The heavy focus on programming and on workplace preparedness gives our graduates a keen edge in a competitive environment.

WHAT ARE MY CAREER OPPORTUNITIES?

Depending on their particular skill-sets, and specialisms our graduates find work in a variety of roles including software developer/programmer, network administrator, database developer, database administrator, data analyst, web develop, web manager, systems administrator.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Computing (Degree Award Options: Software Development or Digital Media or Games Development) (+1 year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.

COMMON MODULES

YEAR 1	YEAR 2	YEAR 3	YEAR 4 (TL815 only)
Semester 1 Structured Programming 1 Rapid Application Development Computer Architecture Web Development 1 User Interfaces Network Fundamentals	Semester 3 Database Programming Object Oriented Programming Requirements Engineering	Semester 5 Data Analytics Professional Development Object Oriented Analysis and Design Data Structures & Concurrency	Semester 7 Advanced Database Programming Final Year Project (Design) Software Project Management Software Quality Management
Semester 2 Structured Programming 2 Database Concepts Mathematics Operating Systems 1 Web Development 2	Semester 4 Software Testing Algorithms and Data Structures Software Engineering Project	Semester 6 Work Placement Work Placement Review	Semester 8 Final Year Project Development

STUDENTS WILL STUDY ALL MODULES ABOVE PLUS MODULES SPECIFIC TO THEIR CHOSEN STREAM:

SOFTWARE DEVELOPMENT STREAM	GAMES DEVELOPMENT STREAM	DIGITAL MEDIA STREAM
YEAR 2 Semester 3 Routing Concepts and Protocols Server Side Development Semester 4 LAN Switching and Wireless Scripting Client Side Scripting	YEAR 2 Semester 3 Routing Concepts and Protocols Games Development Semester 4 LAN Switching and Wireless Practical Gaming 3D Animation	YEAR 2 Semester 3 Sound and Digital Audio Server Side Development Semester 4 Client Side Scripting 3D Animation Media Production
YEAR 3 Semester 5 Web Frameworks Software Tools	YEAR 3 Semester 5 Computer Graphics Software Tools	YEAR 3 Semester 5 Web Frameworks
YEAR 4 (TL815 only) Semester 7 Security and WAN Services Software Design Patterns Semester 8 Development Operations and Application Stores Cloud Application Development Distributed Computing	YEAR 4 (TL815 only) Semester 7 Security and WAN Services Games Middleware Semester 8 Artificial Intelligence Distributed Computing Games for Mobile Devices	YEAR 4 (TL815 only) Semester 7 Sensor Technology Emerging Technologies in New Media Semester 8 Dynamic Motion Design Cloud Application Development Games for Mobile Devices

Note: As well as the mandatory modules listed you will study a number of elective modules. Elective module information can be found at www.ittralee.ie/TL815. Electives are offered subject to demand and resources.

HIGHER CERTIFICATE IN SCIENCE IN COMPUTER SYSTEMS AND NETWORKING LEVEL 6

BACHELOR OF SCIENCE IN COMPUTER SYSTEMS AND NETWORKING LEVEL 7

COURSE: HIGHER CERTIFICATE IN SCIENCE IN COMPUTER SYSTEMS AND NETWORKING

Course Code:	TL614
Duration:	2 years
Apply to:	IT Tralee
Number of places:	20
NFQ Level:	6

COURSE: BACHELOR OF SCIENCE IN COMPUTER SYSTEMS AND NETWORKING

Course Code:	TL716
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Creative Media
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T: +353 (0)66 719 1659
www.ittralee.ie/TL614

These courses deliver a thorough grounding in Computer Systems and Networking, giving you key skills for either work or further study. There are modules in understanding computer hardware, linking computers together into networks, basic computer languages and programming, storing and retrieving data, understanding web design and the various types of IT support. You also cover maths principles and take a module in learning at third level. All of our students also complete a work placement in second year. This allows you to bring your new skills to bear on a live, working environment.

WHY STUDY COMPUTER SYSTEMS AND NETWORKING AT IT TRALEE?

Almost every business now relies on ICT, and this means that they need technical support staff to maintain their systems. This can be a very substantial task for large organisations, especially for those that rely heavily on ICT as part of their day-to-day business. Graduates of these programmes who have gone on to take up tech support roles report back that they learned invaluable skills on the course, ones that significantly boosted their performance and employability.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates have taken up roles as network technicians and administrators and have found work in computer repairs and sales, in help-desk support, as database administrators, web developers and web managers. They have also carved out successful careers as self-employed technical contractors.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 7

BSc in Computer Systems and Networking (+1 Year for level 6 graduates)

LEVEL 8

Bachelor of Science (Honours) in Computer Service Management (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate



YEAR 1

Semester 1

Structured Programming 1
Rapid Application Development
Computer Architecture
Web Development 1
User Interfaces
Network Fundamentals

YEAR 2

Semester 3

Professional Development
Server Side Development
Routing Concepts and Protocols
Operating Systems 2
IT Service Support
Scripting

YEAR 3 (TL714 only)

Semester 5

Embedded Systems
Computer Systems Administration
Security and WAN Services
Software Development
Computer Project 1
Software Tools

Semester 2

Computer Hardware
LAN Switching and Wireless
Database Concepts
Mathematics
Operating Systems 1
Web Development 2

Semester 4

Work Placement
Work Placement Review

Semester 6

Server Administration
Computer Project 2
Advanced Scripting
Cloud Services
Database Systems Management
Computer Services Management

NOTE: ALL MODULES ARE MANDATORY.

DEPARTMENT OF HOTEL, CULINARY ARTS AND TOURISM

HEAD OF DEPARTMENT

Ms. Mary Rose Stafford



The Department of Hotel, Culinary Arts and Tourism offers a variety of programmes that equip you with the knowledge and skills to pursue a highly rewarding career locally, nationally or internationally in one of the fastest growing global industries. You will be taught by lecturers who have extensive international experience and academic expertise in their specific discipline.

Situated at the heart of one of the biggest tourism destinations in Ireland, you will be surrounded by best practice hospitality and tourism businesses and professionals who work closely with the Department to ensure you get a real world educational experience through work placement, guest lecturers and site visits. The Department's long history of collaboration with industry partners has also ensured a remarkable track record in graduate employment.

You can choose to specialise in culinary arts, hotel operations, hotel management or travel and tourism management, with options to study for a Higher Certificate (NFQ Level 6), Degree (NFQ Level 7) or Honours Degree (NFQ Level 8), and progression from one level to the next. The Department has excellent international connections and works closely with, for example, Johnson and Wales University (USA) and the French Culinary Institute of New York (USA). You will have opportunities for international work placement and/or study across Europe and further afield.

You will be challenged and supported to participate in national and international competitions such as the Irish Hospitality Institute (IHI) Business Management Game and CATEX National Catering Exhibition competitions.

If a career in the dynamic and exciting world of tourism and hospitality is for you, choose a programme in the Department of Hotel, Culinary Arts and Tourism.

WHO DO I GO TO FOR FURTHER INFORMATION?

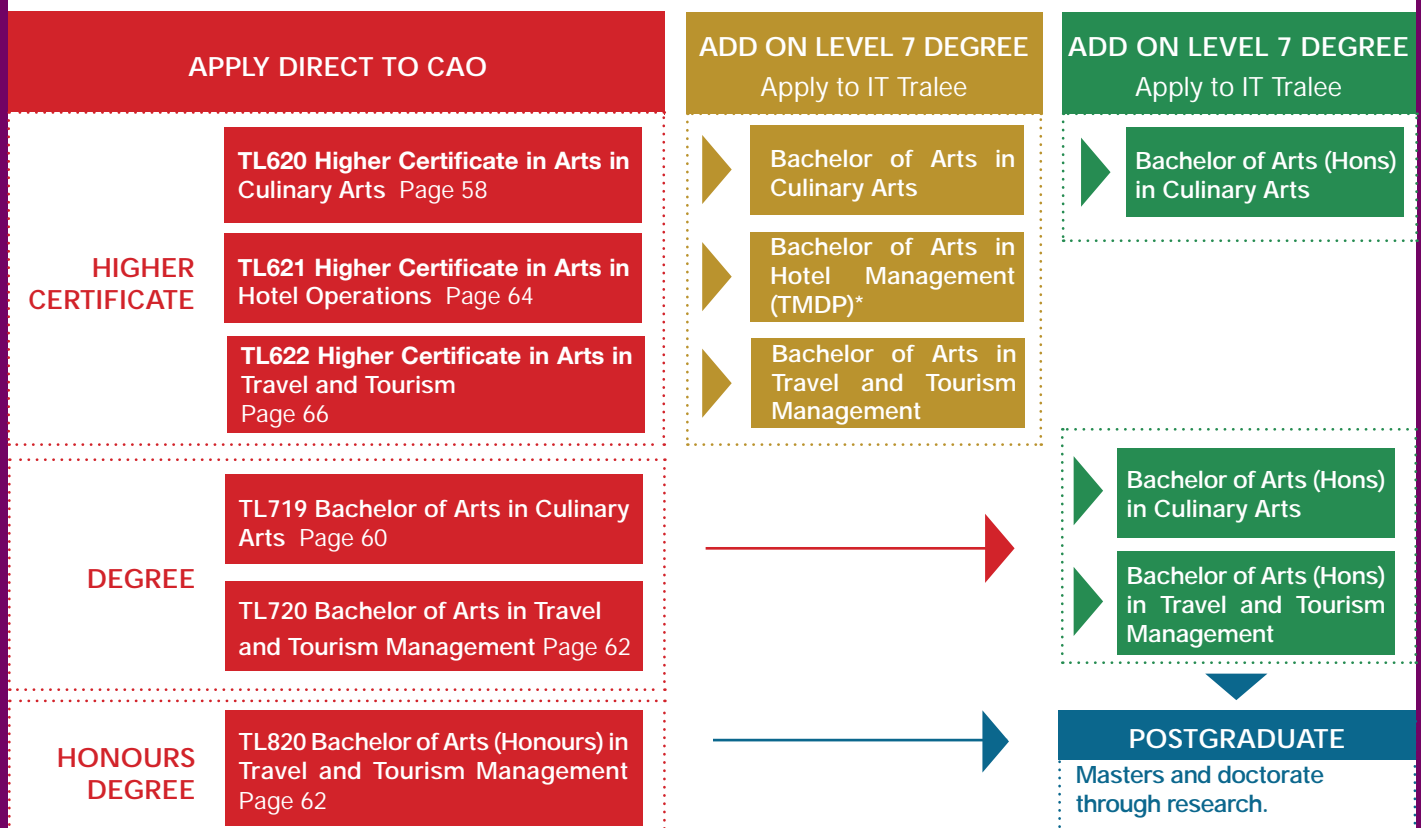
Ms. Mary Rose Stafford
Head of Department of Hotel, Culinary Arts and Tourism
Tel: +353 (0)66 719 1665
Email: mary.rose.stafford@staff.ittralee.ie

What our graduates say about us:

'In my third year, I completed the ERASMUS program at the Universidad Rey Juan Carlos, Madrid for one semester. This was an amazing experience as it tested and improved my adaptability and flexibility skills. The opportunity also allowed me to experience another culture, language as well as a different lifestyle. It was a challenging nonetheless enjoyable experience that I hope to one day repeat.'

Zainab Yekini – Travel & Tourism Class of 2014

COURSE PROGRESSION CHART



* TRAINEE MANAGER DEVELOPMENT PROGRAMME. GO TO WWW.ITTRALEE.IE/TMDP FOR FURTHER DETAILS.

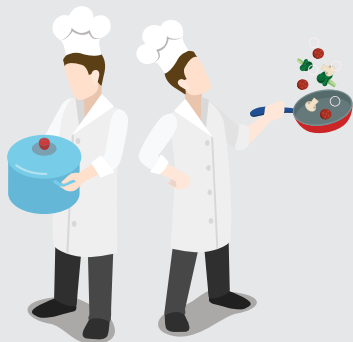
HIGHER CERTIFICATE IN ARTS IN CULINARY ARTS LEVEL 6

COURSE: HIGHER CERTIFICATE IN ARTS IN CULINARY ARTS

Course Code:	TL620
Duration:	2 years
Apply to:	CAO
Number of places:	36
NFQ Level:	6

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Mary Rose Stafford
Head of Department of Hotel, Culinary Arts and Tourism
T: +353 (0)66 719 1665
www.ittralee.ie/TL620

This programme creates a direct route into the food service industry. You are given in-depth knowledge of culinary techniques, kitchen technologies, the business aspects of culinary operations and the science and nutrition of food. You work in a kitchen environment every day, both individually and as part of a team. As the course progresses, you will also operate and manage an event in the training restaurant in the college. You will have the opportunity to take part in national food industry competitions. Also, culinary food trips are organised to local, regional and national food producers, and a gastronomic meal experience. To complement your programme of study a series of guest lectures provides you with the opportunity to experience Ireland's leading culinary practitioners.

WHY STUDY CULINARY ARTS AT IT TRALEE?

IT Tralee is uniquely located at the heart of Ireland's tourism hub, giving us excellent industry links and a professional network of employers eager to recruit our graduates. The college boasts a self-contained Hotel, Culinary Arts and Tourism Department, with four modern kitchens, specialised pastry and confectionery kitchen, a purpose-built demonstration theatre, a training restaurant and bar. One of our key strengths is our staff to student ratio, which has been instrumental in creating a really supportive learning environment. All of our staff have extensive food industry experience, both nationally and internationally, allowing them to continually link the theory and practice of culinary arts.

WHAT ARE MY CAREER OPPORTUNITIES?

Many past graduates of our programmes have had the opportunity to work both nationally and internationally within different areas of the culinary arts industry, such as:

- The national and international hotel and restaurant industry;
- Patisserie and confectionery;
- Cruise liners;
- Industrial catering – hospitals, schools, sports stadia;
- Artisan food producers;
- Cafés, food halls, and general food businesses.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 7

Bachelor of Arts in Culinary Arts (+1 Year for level 6 graduates)

LEVEL 8

Bachelor of Arts (Hons) in Culinary Arts (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.



YEAR 1

Semester 1

Introduction to Culinary Skills
 Introduction to Live Kitchen Operations
 Introduction to Patisserie
 Food Safety and Culinary Science
 Information Technology 1
 Learning at Third Level

YEAR 2

Semester 3

Student Learning Event
 Fundamentals of Classical Cuisine
 Introduction to Plated Desserts
 Food and Beverage Costing
 Introduction to Food Studies
 Work Based Learning (Culinary)

Semester 2

Refining Culinary Skills
 Live Kitchen Operations
 Patisserie Skills
 Food and Beverage Service
 Communication in the Workplace
 Nutrition

Semester 4

Student Led Event
 Refining Plated Desserts
 Larder Kitchen Skills
 Fundamentals of Contemporary Cuisine
 Beverage Knowledge for Chefs
 Food Safety Management

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF ARTS IN CULINARY ARTS

LEVEL 7

COURSE: BACHELOR OF ARTS IN CULINARY ARTS

Course Code:	TL719
Duration:	3 years
Apply to:	CAO
Number of places:	36
NFQ Level:	7

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Mary Rose Stafford
Head of Department of Hotel, Culinary Arts and Tourism
T: +353 (0)66 719 1665
www.ittralee.ie/TL719

This programme creates a direct route into the food industry at an advanced level. You are given an in-depth knowledge base, combined with practical classes to develop your culinary skills. Integral to this are core disciplines such as culinary techniques, kitchen technologies, the business aspects of culinary operations and the science and nutrition of food. In year three you will also be introduced to the world of pastry and confectionery artistry, food photography, food styling, entrepreneurship, food product development and advanced culinary techniques. You will have the opportunity to take part in national food industry competitions. Also, culinary food trips are organised to local, regional and national food producers. To complement your programme of study a series of guest lectures provides you with the opportunity to experience Ireland's leading culinary practitioners.

WHY STUDY CULINARY ARTS AT IT TRALEE?

IT Tralee is uniquely located at the heart of Ireland's tourism hub, giving us excellent industry links and a professional network of employers eager to recruit our graduates. The college boasts a self-contained Hotel, Culinary Arts and Tourism Department, with four modern kitchens, specialised pastry and confectionery kitchen, a purpose-built demonstration theatre, a training restaurant and bar. One of our key strengths is our staff to student ratio, which has been instrumental in creating a really supportive learning environment. We have the best chef lecturers in Ireland, who are immersed in the food and hospitality sector in Kerry, Ireland and internationally.

WHAT ARE MY CAREER OPPORTUNITIES?

Many past graduates of our programmes have had the opportunity to work both nationally and internationally within different areas of the culinary arts industry, such as:

- The national and international hotel and restaurant industry;
- Patisserie and confectionery;
- Cruise liners;
- Corporate catering;
- Industrial catering – hospitals, schools, sports stadia;
- Artisan food producers;
- Food logistics companies;
- Food product development;
- Cafés, food halls, and general food businesses.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Arts (Hons) in Culinary Arts
(+1 Year for level 7 graduates.)



YEAR 1

Semester 1

Introduction to Culinary Skills
Introduction to Live Kitchen Operations
Introduction to Patisserie
Food Safety and Culinary Science
Information Technology 1
Learning at Third Level

YEAR 2

Semester 3

Student Learning Event
Fundamentals of Classical Cuisine
Introduction to Plated Desserts
Food and Beverage Costing
Introduction to Food Studies
Work Based Learning (Culinary)

YEAR 3

Semester 5

Advanced Classical Cuisine
Advanced Patisserie
Food Photography with Social Media
Culinary Management
Food Product Design and Innovation

Semester 2

Refining Culinary Skills
Live Kitchen Operations
Patisserie Skills
Food and Beverage Service
Communication in the Workplace
Nutrition

Semester 4

Student Led Event
Refining Plated Desserts
Larder Kitchen Skills
Fundamentals of Contemporary Cuisine
Beverage Knowledge for Chefs
Food Safety Management

Semester 6

Advanced Larder Skills
Advanced Patisserie Art & Design
Food Product Development and Enterprise
Food Studies and Applied Research

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF ARTS IN TRAVEL AND TOURISM MANAGEMENT

LEVEL 7

BACHELOR OF ARTS (HONOURS) IN TRAVEL AND TOURISM MANAGEMENT

LEVEL 8

COURSE: BACHELOR OF ARTS IN TRAVEL AND TOURISM MANAGEMENT

Course Code:	TL720
Duration:	3 years
Apply to:	CAO
Number of places:	20
NFQ Level:	7

COURSE: BACHELOR OF ARTS (HONOURS) IN TRAVEL AND TOURISM MANAGEMENT

Course Code:	TL820
Duration:	4 years
Apply to:	CAO
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL720
www.ittralee.ie/TL820

Travel and tourism is a multi-faceted, dynamic, global industry, encompassing everything from destination marketing and transport to travel agencies and government organisations. To reflect that diversity, our BA Travel and Tourism programme covers a range of modules including tour guiding and travel agency practice; research skills and independent projects; planning and destination development as well as analysis of the contemporary issues and trends in travel and tourism. Students also have the opportunity to add additional certification during their studies - such as Viewdata and Galileo or Amadeus, which contributes to our graduates' employability. Our honours degree students (Year 4) also complete an independent project in the form of applied industry research.

Courses are delivered using a blend of lectures, practicals, workshops and seminars. End of year results are determined through a combination of course work, projects, practical assessments and final exams. In third year, all of our students take part in a ten-week work placement, where you get full-time practical experience with one of our industry partners. Recent examples of industry placements include: Portman Travel (Tralee), Falcon Travel (Limerick), Bunratty Castle, Rose of Tralee Festival, Tralee Chamber Alliance, The Department of Arts, Sport and Tourism, Cycle Against Suicide and Dingle Oceanworld.

An exciting new addition to the programme is the International Tourism Practice module where final year students have the opportunity to plan and undertake an international research trip to study tourism development in key destinations first hand.

WHY STUDY TRAVEL AND TOURISM MANAGEMENT AT IT TRALEE?

Kerry is the home of tourism in Ireland and our programmes offer a unique opportunity to study in Ireland's premier tourism hub. Our department is deeply immersed in the tourism industry, and our students benefit hugely from the wide range of tourism facilities and attractions in the area. We also believe that experiencing the travel and tourism industry first hand is vital to the learning experience, which is why regular trips are such an important feature to the programme. These trips include one and two day itineraries to some of the county's and Ireland's most important tourist sites. Recent trips include the Dingle Peninsula, the Ring of Kerry, Killarney National Park & Muckross House, Limerick, Dublin and Belfast.

WHAT ARE MY CAREER OPPORTUNITIES?

The travel and tourism sector accounts for 1 in 12 jobs in Ireland, and career prospects for graduates are excellent, both locally, nationally and internationally. Recent graduates are currently employed in Portman Travel Tralee, Falcon Travel Head Office, Click Travel (Birmingham), Alpha Travel Guru (San Francisco), Emirates Airlines, Stobart Air, Tralee Chamber Alliance and CCIS - The Conference Company. A number of graduates have also gone on to start their own tourism related businesses.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Arts (Honours) in Travel and Tourism Management
(+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

YEAR 1**Semester 1**

Learning at Third Level
 Tourism Principles and Practices 1
 Visitor Information and Tourism Product Knowledge
 Introduction to Events
 Business Applications 1
 Travel and Tour Industry Operations

YEAR 2**Semester 3**

Communications/Customer Care
 Tour Guiding 2
 Global Destination Geography
 Conservation and Interpretation
 Niche Tourism
 Tourism Marketing

YEAR 3**Semester 5**

Work Placement Preparation
 Transport Management
 Sustainable Tourism Principles and Practices
 Management Practice
 Human Resource Management
 Research Methods

YEAR 4 (TL820 only)**Semester 7**

Financial Management
 Entrepreneurship
 Tourism Planning and Destination Development
 International Travel Trends
 Tourism Economics

Semester 2

Research and Writing Skills
 Tour Guiding 1
 Heritage Tourism
 Cultural Tourism
 Tourism Impacts
 Business Applications 2

Semester 4

Leadership and Team Building
 Adventure and Activity Tourism
 Volunteerism and Community Tourism
 Tourism Finance
 Digital Marketing
 Travel Information Systems

Semester 6

Work Placement

Semester 8

Strategic Hospitality Management and Business Simulation
 Contemporary Issues in Tourism
 Major Project
 International Tourism Practice

NOTE: ALL MODULES ARE MANDATORY.

HIGHER CERTIFICATE IN ARTS IN HOTEL OPERATIONS

LEVEL 6

COURSE: HIGHER CERTIFICATE IN ARTS IN HOTEL OPERATIONS

Course Code:	TL621
Duration:	2 years
Apply to:	CAO
Number of places:	24
NFQ Level:	6

Hotel Operations is a two-year higher certificate programme aimed at developing your skills and knowledge for a career in the hotel industry. The course content is designed around the key areas of hotel operations: restaurant, bar, front office, accommodation and food knowledge and production. On completion, you will be able to pursue a rewarding career in the hotel industry.

WHY STUDY HOTEL OPERATIONS AT IT TRALEE?

Our long-standing links with the hotel industry, both national and international, provide students with excellent and highly-relevant work experience opportunities. On successful completion students may be eligible to progress to the Trainee Management Development Programme, allowing students the opportunity to further their careers.

WHAT ARE MY CAREER OPPORTUNITIES?

The unique blend of skills and knowledge gained from this programme allows graduates to pursue a rewarding career in a wide variety of hospitality establishments both nationally and internationally including the following: hotels, restaurants, bars, guest houses, cruise liners and contract catering businesses.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 7

Bachelor of Arts in Hotel Management (+2 Years) (TMDP)

LEVEL 9/10

Postgraduate masters or doctorate through research.

www.ittralee.ie/postgraduate

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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YEAR 1

Semester 1

Learning at Third Level
Hotel IT and Communications
Front Office and the Tourism Product
Food Studies
Food and Beverage Operations 1

YEAR 2

Semester 3

Advanced Food and Beverage 1
Selling the Hotel Product
Mixology & Beverage Studies
Work Based Learning 2 (Hospitality)

Semester 2

Food and Beverage Operations 2
Culinary Skills
Bar Service
Front Office and the Tourism Product
Work Based Learning 1 (Hospitality)

Semester 4

Advanced Food and Beverage 2
Hotel Law
Introduction to Hotel Management
Work Based Learning 3 (Hospitality)

NOTE: As well as the mandatory modules listed you will study a number of elective modules.
Elective module information can be found at www.ittralee.ie/TL621.
Electives are offered subject to demand and resources.

HIGHER CERTIFICATE IN ARTS IN TRAVEL AND TOURISM STUDIES LEVEL 6

COURSE: HIGHER CERTIFICATE IN ARTS IN TRAVEL AND TOURISM STUDIES

Course Code:	TL622
Duration:	2 years
Apply to:	CAO
Number of places:	25
NFQ Level:	6

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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This programme has been designed to provide students with the professional knowledge and skills which can be applied to a variety of career opportunities within a range of tourism businesses.

WHY STUDY TRAVEL AND TOURISM STUDIES AT IT TRALEE?

The programme is organised around a number of themes – tourism, travel industry, business and personal development to build your knowledge and skills as the semesters progress. Our department is deeply immersed in the tourism industry, and our students benefit from the wide range of tourism facilities and attractions in the area. Familiarisation trips to sample the tourism product as well as industry guest speakers are important features of the programme. Students who successfully complete the course can transfer to the third year of the Bachelor of Arts in Travel & Tourism Management.

WHAT ARE MY CAREER OPPORTUNITIES?

The travel and tourism sector accounts for 1 in 12 jobs in Ireland and career prospects for graduates offer local, national and international opportunities. Typical career areas include: - travel sales agent, heritage sites, tourism retail and commercial sector, tour guide, receptionist, tour advisor, events companies, office administration, marketing assistants, reservations. One of our key strengths is our student/staff ratio, which has been instrumental in creating a really supportive learning environment. We offer a blended learning approach which offers flexibility in terms of availability and combines the support of classroom learning with the flexibility of e-learning.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 7

Bachelor of Arts in Travel & Tourism Management (+1 Year for level 6 graduates)

LEVEL 8

Bachelor of Arts (Honours) in Travel & Tourism Management (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate



YEAR 1

Semester 1

Learning at Third Level
 Tourism Principles and Practices 1
 Visitor Information and Tourism Product Knowledge
 Introduction to Events
 Business Applications 1
 Travel and Tour Industry Operations

YEAR 2

Semester 3

Communications/Customer Care
 Tour Guiding 2
 Global Destination Geography
 Conservation and Interpretation
 Niche Tourism
 Tourism Marketing

Semester 2

Research and Writing Skills
 Tour Guiding 1
 Heritage Tourism
 Cultural Tourism
 Tourism Impacts
 Business Applications 2

Semester 4

Leadership and Team Building
 Adventure and Activity Tourism
 Volunteerism and Community Tourism
 Tourism Finance
 Digital Marketing
 Travel Information Systems

NOTE: ALL MODULES ARE MANDATORY.

SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

HEAD OF SCHOOL

Dr. Joseph Walsh

The IT Tralee School of Science, Technology, Engineering and Mathematics (STEM) is a thriving community of just over 600 part-time and full-time students and 45 academic staff.

Our programmes are all about practical, hands-on learning. We focus on two key areas: the development of skills relevant to industry, and enhancing learning and research capabilities. Students benefit from the Institute's extensive laboratory and workshop resources, the broad range of expertise and experience of our staff and of course our links with employers. We offer courses in the areas of:

- Agricultural science;
- Pharmaceutical science;
- Biological and environmental science;
- Wildlife biology;
- Veterinary bioscience;
- Animal bioscience;
- Agricultural engineering;
- Mechanical, electronic, manufacturing engineering and mechatronics;
- Civil and environmental engineering.

Our programmes focus on the practical, problem-solving techniques and methods that work best in each career. A 12 week minimum work placement occupies a central role in all of our courses and gives students genuine, vital and relevant workplace experience. Our programmes also have a capstone final-year project which is designed to challenge students with authentic, real world problems that require the application of all of the knowledge and skills they have gained over the course of the programme.

The school is home to two research centres located at the Institute. These specialise in a range of areas, including applied biotechnology, intelligent mechatronics and sensor engineering, Radio Frequency Identification (RFID) and the Internet of Things (IoT). We have also forged strategic alliances with a range of industrial and educational partners, in order to ensure our programmes are continually evaluated, developed, relevant and up-to-date.

DEPARTMENT OF BIOLOGICAL AND PHARMACEUTICAL SCIENCES

Head of Department: Dr. Noel Mulligan

CODE	NFQ LEVEL		PAGE
TL848	8	Bachelor of Science (Honours) in Agricultural Science	72
TL748	7	Bachelor of Science in Agricultural Science	72
TL651	6	Higher Certificate in Science in Biological and Environmental Studies	74
TL851	8	Bachelor of Science (Honours) in Wildlife Biology (Degree Award Options: Wildlife Biology or Field Biology with Wildlife Tourism)	76
TL855	8	Bachelor of Science (Honours) in Pharmaceutical Science (Degree Award Options: Biopharmaceutics, Forensics, Environmental Science or Cosmetic Science)	78
TL755	7	Bachelor of Science Pharmaceutical Science (Degree Award Options: Biopharmaceutics, Forensics, Environmental Science or Cosmetic Science)	78
TL858	8	Bachelor of Science (Hons) in Veterinary Bioscience	80
TL758	7	Bachelor of Science in Animal Bioscience	80

DEPARTMENT OF TECHNOLOGY, ENGINEERING AND MATHEMATICS

Head of Department: Dr. Patrick Carney

CODE	NFQ LEVEL		PAGE
TL845	8	Bachelor of Science (Honours) Degree in Civil Engineering	84
TL745	7	Bachelor of Engineering in Civil and Environmental Engineering	84
TL844	8	Bachelor of Science (Honours) in Agricultural Engineering	86
TL744	7	Bachelor of Engineering in Agricultural Engineering	86
TL847	8	Bachelor of Science (Honours) in Manufacturing Engineering	88
TL747	7	Bachelor of Engineering in Manufacturing and Mechatronics Engineering (Degree Award Options: Mechanical and Manufacturing Engineering or Mechanical and Mechatronics Engineering)	90
	7	Bachelor of Engineering in Agricultural Mechanisation	92
		Engineering Apprenticeship	94

For further information contact the School of Science, Technology, Engineering and Mathematics

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DEPARTMENT OF BIOLOGICAL AND PHARMACEUTICAL SCIENCES

HEAD OF DEPARTMENT

Dr. Noel Mulligan

The department offers programmes in laboratory sciences and field sciences. We have long targeted the employment needs of Ireland's highly successful pharmaceutical sector, which is still the largest manufacturing sector in the Irish economy. In addition to its laboratory science programmes the department is home to the Enterprise Ireland funded Technology Gateway, Shannon Applied Biotechnology Centre. The work carried out here by a team of postdoctoral and postgraduate researchers is of global significance and the centre itself is highly regarded internationally.

Pharmaceutical analysis is all about the wide range of powerful laboratory techniques used in the investigation of pharmaceutical products, ingredients and manufacturing processes. These techniques are vital tools in the research, development and manufacturing sectors of our thriving pharmaceutical industry. These tools are not confined to the pharmaceutical industry alone however, they are also used in other sectors, including medical diagnostics, environmental monitoring, forensic science and in the cosmetics, health care and food and drink industries.

Pharmaceutical analysis is the major theme in all of the laboratory science programmes we offer. In addition, you chose to minor in one of the following: biopharmaceutics, forensic science, environmental science or cosmetic science.

Our field science programmes are in the areas of wildlife biology, agricultural science, veterinary and animal bioscience and field biology with wildlife tourism. The Institute enjoys perhaps the best location in Ireland for wildlife studies, surrounded as it is by some of the most unspoiled habitats in Europe. Our department is fast becoming recognised as the best place to study wildlife biology in Ireland, not least because of our close links with colleagues in the Killarney National Park (Education Centre).

Wildlife biology is a multi-disciplinary field centred on the study of living things and their environment. While primarily focused on animals and plants, we also have a vital role in environmental research. The natural world needs to be studied if we are to understand how to manage and protect the space we share with other living things.

The Institute, in collaboration with Teagasc's Clonakilty Agricultural College has offered agricultural science since 2012. As with wildlife biology, the Institute's location makes it ideal for the study of agricultural science, as the region is a centre of grass-based agricultural production. We are actively collaborating with all of the agencies involved in the development of agriculture in a modern economy.

2017 saw the introduction of Veterinary Bioscience at level 8 and Animal Bioscience at level 7. Both of these programmes are laboratory based and will produce graduates who can obtain employment in animal research, agricultural industries, animal care and welfare, biotechnology industries and the animal health industry. In addition, graduates of the honours degree programme will be eligible to apply for admission to the graduate entry veterinary medicine degree in UCD.

WHO DO I GO TO FOR FURTHER INFORMATION?

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What our graduates say about us:

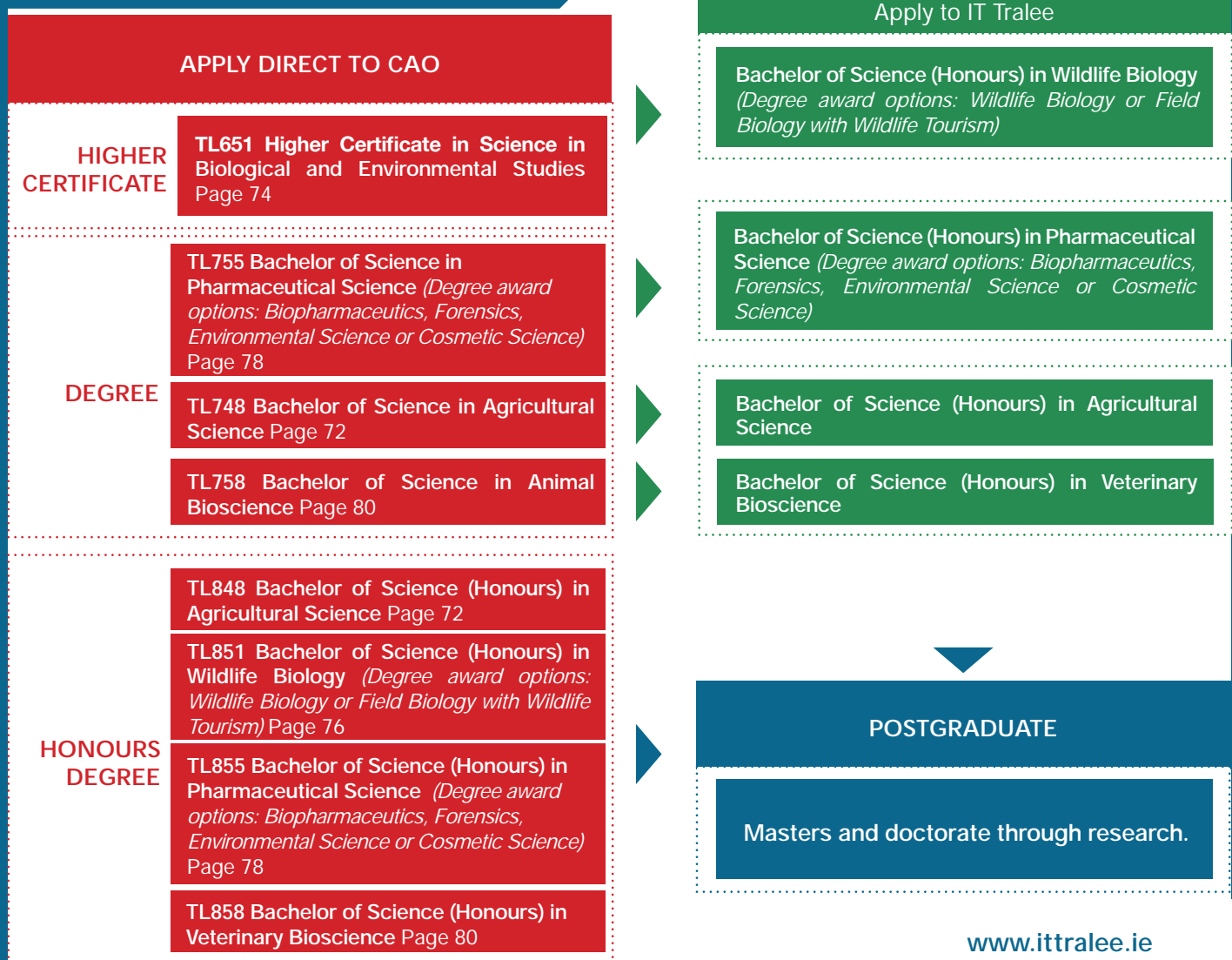
'I am currently working as a QC and Stability Chemist for EirGen Pharma. They are a leading pharmaceutical company that develop highly potent pharmaceutical products for the global market. As part of the stability team, my role is to monitor stability products and analyse them for the presence of growing impurities or any unusual behaviour and contamination when exposed to different environments and conditions.

I chose to study Pharmaceutical Science in ITT because the course offered a good combination of theory and practical learning through very interesting laboratory experiments and lectures. The most appealing aspect of the course was the fact it had a work placement module at the end of 4th year which turned out to be really good experience and provided me with the opportunity to work with EirGen Pharma and mark the beginning of my pharmaceutical science career.

The course enhanced my analytical knowledge and skills which are highly sought after by the pharmaceutical industry. Much of the instrumentation introduced to students throughout the course, has been a great help in preparing me for the position I am in now as I use these skills on a daily basis at work.'

Strahinja Grubjesic – Stability Chemist, Eirgen Pharma

COURSE PROGRESSION CHART



BACHELOR OF SCIENCE IN AGRICULTURAL SCIENCE LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN AGRICULTURAL SCIENCE LEVEL 8

COURSE: BACHELOR OF SCIENCE IN AGRICULTURAL SCIENCE

Course Code:	TL748
Duration:	3 years
Apply to:	CAO
Number of places:	32
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN AGRICULTURAL SCIENCE

Course Code:	TL848
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL748
www.ittralee.ie/TL848

Agricultural science is the application of science and business to the primary production of quality food. Agriculture is a huge growth industry, both in Ireland and internationally, and remains vital to the country's economic recovery and development.

Farmers, or indeed anyone interested in pursuing a career in agriculture today, need to apply scientific knowledge to farm management. This helps to ensure that the range of agricultural activities - environmental protection, food safety, animal welfare, the handling and operation of machinery - are considered in the context of animal and crop production. A twelve-week work placement is a central feature of both programmes. As a third-year student, you take part in a structured period of work experience in a relevant setting. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your personal career path. It's all about developing skills, gaining knowledge and cultivating the attitude needed to build a rewarding career.

Modules are delivered at the Institute of Technology Tralee and Teagasc's Clonakilty Agricultural College.

WHY STUDY AGRICULTURAL SCIENCE AT IT TRALEE?

First and foremost, the Agricultural Science programmes give your career a sound scientific foundation. Students take modules in a variety of scientific areas, including animal, crop, environmental and food sciences. In the economics and business module, you learn about the relationship between agriculture and consumers. These programmes give you everything you need to launch an agriscience/agribusiness career in Ireland and beyond.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates can work in food production and farming businesses, state bodies, education and research, farm management, consultancy and marketing and communications. Note that a BSc in Agricultural Science is listed as one of the qualifications which meets the requirements for Stamp Duty Exemption for Transfers of Land to Young Farmers (Leaflet SDB2 www.revenue.ie).

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Agricultural Science at IT Tralee (+1 Year for level 7 graduates)

There is also an agreed progression route to the following streams of year 3 of UCD's BSc (Hons) in Agricultural Science:

- Animal and Crop Production;
- Engineering Technology;
- Food and Agri Business.

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

COURSE OUTLINE

**YEAR 1****Semester 1**

Animal and Plant Biology 1
 Agri-Chemistry 1
 Farm Mechanisation 1
 Computer Applications & Scientific Communication
 Essential Scientific Maths
 Overview of the Agri-Food Industry

YEAR 2**Semester 3**

Food Science & Technology
 Waste Management
 Crop Production
 Animal Physiology
 Agricultural Microbiology
 Agricultural Economics

YEAR 3**Semester 5**

Dairy Production
 Dairy Technology
 Farm Finance
 Genetics & Biotechnology
 Applied Precision Farming and Instrumentation
 Supplementary Agricultural Enterprises

YEAR 4 (TL848 only)**Semester 7**

Research Methodology and Literature Review
 Business Management Principles
 Food Safety and Regulatory Affairs
 Sustainable Crop Production
 Sustainable Cattle Production
 Soil Management

Semester 2

Animal and Plant Biology 2
 Agri-Chemistry 2
 Crop Science
 Physics
 Soil Science
 Environmental Science

Semester 4

Herd Management
 Cattle and Sheep Production
 Grassland Management
 Farm Structures

Semester 6

Agricultural Science Work Placement Portfolio
 Work Placement
 Health and Safety

Semester 8

Agricultural Science Project
 Marketing and Strategic Planning
 Business Strategy and Agricultural Policy
 Bovine Reproduction and Breeding
 Ruminant Nutrition (Feed Formulation)

HIGHER CERTIFICATE IN SCIENCE IN BIOLOGICAL AND ENVIRONMENTAL STUDIES

LEVEL 6

COURSE: HIGHER CERTIFICATE IN SCIENCE IN BIOLOGICAL AND ENVIRONMENTAL STUDIES

Course Code:	TLTL651
Duration:	2 years
Apply to:	CAO
Number of places:	12
NFQ Level:	6

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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Biological and Environmental Science is all about investigating living organisms and the environments they inhabit. This course gives you some understanding of the basic fabric of our planet through the study of chemistry, physics and earth sciences. Graduates gain the knowledge and skills to work as field science technicians in the area of wildlife biology.

The course is delivered through an exciting mix of theory, laboratory practice and field activities. Each week brings you to a new study site, where you spend a full day of field science activity.

In first year, you are given a foundation in biology, and this is built on in second year with modules in botany, zoology and microbiology. Ecology is also introduced in second year of the course. There are also modules in environmental science, scientific communication and geographical information systems (GIS). A module in Irish wildlife provides an insight into the major groups that make up our native wildlife, giving you a strong base on which to build deeper and more focused study later.

WHY STUDY BIOLOGICAL AND ENVIRONMENTAL STUDIES AT IT TRALEE?

This programme is unique to the Institute. Part of the reason it was developed here is that Tralee is an ideal location to deliver such a field science programme. The course is designed to give you a highly marketable blend of biological and environmental studies skills. You visit a variety of wildlife habitats and Special Areas of Conservation, as well as environmental management facilities like water treatment, waste water treatment facilities, and wind farms.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates' range of skills are in constant demand in the workplace. They tend to find work in the range of agencies involved in the management and protection of the environment and natural resources.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Wildlife Biology (+ 2 years) (Degree Award Options: Wildlife Biology or Field Biology with Wildlife Tourism).

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

COURSE OUTLINE

**YEAR 1****Semester 1**

Biology 1
Chemistry 1
Essential Scientific Maths
Computer Applications & Scientific Communication
Environmental Science 1
Outdoor Education 1

YEAR 2**Semester 3**

Zoology 1
Botany 1
Microbiology 1
Biomeasurement
Environmental Science 2

Semester 2

Biology 2
Chemistry 2
Physics
Irish Wildlife
Field Biology & Earth Science
Outdoor Skills

Semester 4

Zoology 2
Botany 2
Microbiology 2
Geographical Information Systems
Ecology 1

NOTE: All modules are mandatory.

BACHELOR OF SCIENCE (HONOURS) IN WILDLIFE BIOLOGY LEVEL 8

Programme Streams:

- Wildlife Biology
- Field Biology with Wildlife Tourism

COURSE: BACHELOR OF SCIENCE (HONOURS) IN WILDLIFE BIOLOGY

Course Code:	TL851
Duration:	4 years
Apply to:	CAO
Number of places:	12
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

Other Requirements

This course involves strenuous physical activities in outdoor settings. You will need medical clearance to register.



WHO DO I CONTACT FOR MORE INFORMATION?

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WILDLIFE BIOLOGY STREAM

Wildlife Biology is the study of the natural environment and all of the living things in it, from microscopic bacteria and algae to plants, invertebrates, fish, mammals and birds. This unique programme is designed to prepare you for work in the areas of ecological consultancy, environmental education and biodiversity conservation. It includes a basic grounding in the chemical and life sciences, with an emphasis on all aspects of the natural environment.

The outdoor education modules which feature so prominently in the first two years of this course give you the skills to work and navigate safely in outdoor environments. The second two years focus on understanding, managing and conserving wildlife and wildlife environments.

As with all of our courses, there is a period of work placement in a relevant, professional setting. You also complete a final year research project, designed to allow you to apply and practice the skills learned in taught modules.

It's important to note that much of this course is delivered in remote and challenging outdoor environments. You need to be reasonably fit, and prepared for bad weather and rough terrain.

FIELD BIOLOGY WITH WILDLIFE TOURISM STREAM

Wildlife tourism, which is closely related to eco and sustainable tourism, is now a multi-million euro industry, centred on offering recreational and educational environmental experiences, as well as customised tour packages and safaris. This unique course combines conservation and wildlife biology with topics relevant to the wildlife tourism industry.

Graduates can look forward to exciting global opportunities in a growing and innovative sector. Work placement is a central feature of the course. As a third-year student, you participate in a structured period of work experience in a relevant setting.

WHY STUDY WILDLIFE BIOLOGY AT IT TRALEE

This is the only course of its kind in Ireland, and as a result has been very popular since it was first introduced. It's also unusual in that there is an emphasis on the development of field and laboratory skills, with students spending at least one day a week at a field site in Kerry or elsewhere in Ireland.

The degree gives you an understanding of the very fabric of our planet through the study of chemistry, physics and earth sciences. A module in Irish wildlife gives an insight into the major groups that make up our native wildlife, giving you a strong base on which to build deeper and more focused study later. The course is delivered via an exciting blend of lectures and laboratory practicals, while regular field trips are a key feature of the programme.

WHAT ARE MY CAREER OPPORTUNITIES?

Our graduates have taken up employment opportunities with a varied range of employers, including ecological consultancies, environmental education providers, the National Parks and Wildlife Service and conservation non-Governmental Organisations (NGOs). Others have worked on contract for Inland Fisheries Ireland, the Marine Institute, and in self-employed roles. Additionally, your outdoor and aquatic skills, coupled with the tourism related content, prepare you for work in the tourism sector, particularly in the area of nature, wildlife and adventure tourism. The kind of work taken up by our graduates is also varied, and includes project ecologists on LIFE

COURSE OUTLINE

YEAR 1

Semester 1

Animal and Plant Biology 1
Chemistry 1
Essential Scientific Maths
Computer Applications & Scientific Communication
Environmental Science 1
Outdoor Education 1

YEAR 2

Semester 3

Zoology 1
Botany 1
Microbiology 1
Biomeasurement
Environmental Science 2

Semester 2

Animal and Plant Biology 2
Chemistry 2
Physics
Irish Wildlife
Field Biology & Earth Science
Outdoor Skills

Semester 4

Zoology 2
Botany 2
Microbiology 2
Geographical Information Systems
Ecology 1

WILDLIFE BIOLOGY STREAM

YEAR 3

Semester 5

Ecology 2
Habitat Studies 1
Species Identification
Project Management
Research Methods & Skills

YEAR 4

Semester 7

Wildlife Research Project 1
Biodiversity
Land Use Management
Biostatistical and Geographical Data Applications
Environmental Protection

Semester 6

Ecology 3
Habitat Studies 2
Work Placement
Work Placement Documentation
Environmental Monitoring 1

Semester 8

Wildlife Research Project 2
Biodiversity Conservation
Habitat Conservation Management
Environmental Impact Assessment

FIELD BIOLOGY WITH WILDLIFE TOURISM STREAM

YEAR 3

Semester 5

Ecology 2
Habitat Studies 1
Research Methods & Skills
Species Identification
Wildlife Tour Leading

YEAR 4

Semester 7

Biodiversity
Biostatistical and Geographical Data Applications
Environmental Protection
Land Use Management
Wildlife Tourism Project 1

Semester 6

Habitat Studies 2
Work Placement
Work Placement Documentation
Ecology 3
Wildlife Tourism Expedition

Semester 8

Biodiversity Conservation
Environmental Impact Assessment
Habitat Conservation Management
Wildlife Tourism Project 2

funded community based conservation projects, GIS technicians, ecologists (in consultancy), fisheries inspectors, research assistants, environmental educators in outdoor education centres and with eco-tourism ventures. Other potential roles include conservation rangers, heritage officers, biodiversity officers, researchers and ecologists with state and semi-state organisations (Coillte, Bord na Mona, Department of Agriculture, NPWS, etc). There is also considerable scope for self-employment in these areas.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.

www.ittralee.ie/postgraduate

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCE LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN PHARMACEUTICAL SCIENCE LEVEL 8

Degree Award Options:

- Biopharmaceutics
- Forensics
- Environmental Science
- Cosmetic Science

COURSE: BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCE

Course Code:	TL755
Duration:	3 years
Apply to:	CAO
Number of places:	16
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN PHARMACEUTICAL SCIENCE

Course Code:	TL855
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

Dr. Noel Mulligan,
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www.ittralee.ie/TL755
www.ittralee.ie/TL855

These programmes are designed to develop your skill and competence to work as a laboratory scientist. First year is common to all pharmaceutical science students. It delivers core science modules and fundamental practical skills training. At the end of first year, you choose to specialise in one of four pharmaceutical science streams. The chosen stream will then be reflected in the title of your degree.

There is significant commonality across the four streams, with one stream specific module per semester in second and third year. Project modules and practical work will also be stream-specific. The primary focus of the degree is on pharmaceutical analysis. Modules include biology, chemistry, analytical techniques and instrumentation and pharmaceutical science in industry. You will also cover maths, physics, IT, lab safety, quality control and assurance, how to undertake a laboratory project and general environmental science.

The final year of the honours degree programme will further enhance the students in-depth theoretical knowledge of the major facts, theories, concepts and methods employed in the field of pharmaceutical science in their chosen stream. There is also a research project which enhances the student's research and analytical skills and their ability to work in groups which is of significant benefit to the pharmaceutical industry.

WHY STUDY PHARMACEUTICAL SCIENCE AT IT TRALEE?

The programmes are practically based, giving our students the laboratory skills so sought after by the pharmaceutical industry, which remains Ireland's largest manufacturing sector and continues to go from strength to strength. Our graduates have an acknowledged reputation as excellent laboratory scientists, well prepared for the challenges of the workplace.

WHAT WARE MY CAREER OPPORTUNITIES?

Graduates take up employment opportunities in laboratory settings across a wide range of sectors, including manufacturing, research and development in the pharmaceutical, biopharmaceutical, cosmetic, forensic and environmental sectors, as well in the food processing and drinks industries. Our graduates work as laboratory analysts and in quality control, quality assurance, environmental monitoring, training, education and production.

Our graduates have found work in a range of local companies, including Temmler, Astellas, Kerry Group, Southern Scientific and Metpro. Many of our graduates have gone further afield to take up positions in world leading pharmaceutical companies in Cork, Dublin, Limerick, Waterford and Galway. We are aware of how the pharmaceutical sector is moving into a new phase with Biopharmaceutics emerging as an area of strong demand for graduates. Our Biopharmaceutics stream is targeted at this exciting sector.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Pharmaceutical Science (Degree Award Options: Biopharmaceutics, Forensics, Environmental Science, Cosmetic Science) (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

COMMON MODULES

YEAR 1	YEAR 2	YEAR 3	YEAR 4
Semester 1 Biology 1 Chemistry 1 Essential Scientific Maths Computer Applications & Scientific Communication Environmental Science 1 Overview of the Science Industry	Semester 3 Pharmaceutical Science 1 Instrumental Analysis 1 Organic Chemistry 1 Physical Chemistry Statistics and Quality Control	Semester 5 Chromatographic Techniques Spectrophotometric Techniques Applied Pharmaceutical Chemistry Drug Delivery Systems Research Skills & Statistics	Semester 7 Advanced Pharmaceutical Techniques Drug Synthesis and Design Biophysical and Organic Chemistry Upstream Biopharmaceutical Processing Research Project 1
Semester 2 Biology 2 Chemistry 2 Mathematics Physics Good Laboratory Practice & Core Skills Introductory Pharmaceutical Science	Semester 4 Pharmaceutical Science 2 Instrumental Analysis 2 Organic Chemistry 2 Inorganic Chemistry Pharmaceutical Microbiology	Semester 6 Separation Techniques Spectroscopic Methods Principles of Bioprocessing Project (Analytical) Pharmaceutical Industry Quality Assurance	Semester 8 Research Project 2 Good Manufacturing Practice, Standards & Validation Work Placement Assurance

STUDENTS WILL STUDY ALL MODULES ABOVE PLUS MODULES SPECIFIC TO THEIR CHOSEN STREAM:

BIOPHARMACEUTICS STREAM	FORENSICS STREAM	COSMETIC SCIENCE STREAM	ENVIRONMENTAL SCIENCE STREAM
YEAR 2 Semester 3 Biochemistry 1 Semester 4 Biochemistry 2	YEAR 2 Semester 3 Forensic and Investigative Science Semester 4 Law and Crime Scene Analysis	YEAR 2 Semester 3 Cosmetic Biology Semester 4 Cosmetic Product Formulations	YEAR 2 Semester 3 Environmental Science 2 Semester 4 Environmental Science 3
YEAR 3 Semester 5 Genetics & Biotechnology Semester 6 Cell Culture Techniques	YEAR 3 Semester 5 Forensic Techniques Semester 6 Forensics and Toxicology	YEAR 3 Semester 5 Cosmetic Processing Semester 6 Cosmetic Safety and Regulation	YEAR 3 Semester 5 Environmental Monitoring 1 Semester 6 Environmental Monitoring 2
YEAR 4 Semester 7 Biospecific Techniques Semester 8 Downstream Biopharmaceutical Processing	YEAR 4 Semester 7 Forensic Biotechnology	YEAR 4 Semester 7 Cosmetics Product Development	YEAR 4 Semester 7 Environmental Protection

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF SCIENCE IN ANIMAL BIOSCIENCE LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN VETERINARY BIOSCIENCE LEVEL 8

COURSE: BACHELOR OF SCIENCE IN ANIMAL BIOSCIENCE

Course Code:	TL758
Duration:	3 years
Apply to:	CAO
Number of places:	32
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN VETERINARY BIOSCIENCE

Course Code:	TL858
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL858

Our biological science degrees in Veterinary Bioscience and Animal Bioscience have a major focus on animal health, disease and diagnostics. The veterinary biosciences discipline and animal health sector are experiencing significant growth, both nationally and internationally, due to a surge in demand for diagnostics to underpin animal health and disease management globally.

WHY STUDY VETERINARY/ANIMAL BIOSCIENCE AT IT TRALEE?

The programmes will provide you with an excellent understanding of the key elements of biology, health and disease diagnostics in both production animals (cattle, sheep, pigs and poultry) and companion animals (dogs, cats and horses). The programmes are delivered by leading life-scientists and veterinarians, who will guide you through your learning, from developing a practical understanding of animals and how they function, to veterinary pharmaceutical, advanced laboratory diagnostic and research skills in animal health.

Delivery of the programme's emphasis on animal health and veterinary diagnostics is supported by:

- Block lectures and practicals delivered in partnership with Teagasc Moorepark;
- Practical hands-on experience and interaction with animals throughout;
- A dedicated internship programme in year three;
- Animal health research project in the final year of your studies (TL858 only).

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates with the skills developed on these programmes are in demand with enterprises and agencies dealing with the management of animal health including the veterinary and agriculture sectors. The skills will also equip

graduates interested in postgraduate entry to Veterinary Medicine or other postgraduate veterinary diagnostic programmes.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

BSc (Hons) in Veterinary Bioscience
(+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Biology 1
 Veterinary Anatomy 1
 Principles in Veterinary BioScience 1 - Behaviour and Welfare
 Chemistry 1
 Essential Scientific Maths
 Computer Applications & Scientific Communication

YEAR 2**Semester 3**

Animal Physiology
 Statistics and Quality Control
 Animal Reproduction 1
 Biochemistry 1
 Quality Management Systems

YEAR 3**Semester 5**

Pharmacology
 Veterinary Drug Delivery Systems
 Bioseparation Techniques
 Veterinary Haematology and Clinical Biochemistry
 Veterinary Microbiology and Diagnostics
 Veterinary Parasitology and Diagnostics

YEAR 4 (TL855 only)**Semester 7**

Research Methods in Veterinary Bioscience
 Cell Culture Techniques
 Veterinary Regulatory Affairs and Public Health
 Animal Diseases and Diagnostics 1
 Veterinary Diagnostics
 Cytology and Cellular Pathology

Semester 2

Biology 2
 Veterinary Anatomy 2
 Principles in Veterinary BioScience 2 - Animal Production Systems
 Chemistry 2
 Physics
 Veterinary Histology

Semester 4

Introduction to Analytical Techniques
 Biochemistry 2
 Animal Reproduction 2
 Animal Nutrition
 Introduction to Veterinary Microbiology

Semester 6

Internship Assessment Report
 Internship
 Health and Safety

Semester 4

Research Project
 Veterinary Epidemiology and Biostatistics
 Laboratory Management and Business Development
 Animal Diseases and Diagnostics 2
 Molecular Biology

DEPARTMENT OF TECHNOLOGY, ENGINEERING AND MATHEMATICS

HEAD OF DEPARTMENT

Dr. Patrick Carney

Our department is squarely focused on giving first year students a solid grounding in the science of engineering and technology. As you progress into second year and beyond, the focus changes. It becomes all about the application of that scientific knowledge, about problem solving and driving towards solutions within each area. As you might imagine, this means we put a lot of emphasis on practical work. Theory is supplemented by hands-on exercises in laboratories and workshops, as well as out in the field and in industrial settings.

In later years, much of the work becomes project based. Students design and build a solution to an engineering problem. They complete projects, proposals, drawings, specifications, costings and programmes of work.

You won't discover the solution to an engineering problem without fully understanding what the objective is. In IT Tralee we focus on developing a clear understanding of the objective, then applying engineering principles to the design of a system to achieve it. Our students learn how to analyse problems and how to decide which principles to apply to arrive at the best possible solutions. You become familiar with the process of executing engineering and technology solutions to the highest standards and specifications. This is why IT Tralee graduates are so sought after by industry.

WHO DO I GO TO FOR FURTHER INFORMATION?

Dr. Patrick Carney

Head of Department of Technology, Engineering and Mathematics

Tel: +353 (0)66 714 5606

What our graduates say about us:

'I graduated from IT Tralee with a Level 7 Bachelor in Civil & Environmental Engineering degree in 2015. I thoroughly enjoyed my three years studying in Tralee.

The impetus on practical based learning really gave me a greater understanding of the industry, coupled with friendly lecturers who were more than willing to share their vast experience. I felt the course really geared me towards what employers are looking for in today's market.

I am currently working with a specialist roofing and cladding company as a junior contracts manager. We are involved in various commercial, industrial and pharmaceutical projects around the country and I am really enjoying the challenges of the role I am in. There has been a huge increase in the demand for young engineers, with all the main contractors we are working for finding it hard to get graduates at the moment. If engineering is the career for you then I would highly recommend the Institute of Technology Tralee!'

ACB Roofing Services Ltd – ACB Roofing Services Ltd

COURSE PROGRESSION CHART

APPLY DIRECT TO CAO

DEGREE

TL744 Bachelor of Engineering in Agricultural Engineering Page 86

TL747 Bachelor of Engineering in Manufacturing and Mechatronics Engineering (*Degree Award Options: Mechanical and Manufacturing Engineering or Mechanical and Mechatronics Engineering*) Page 90

TL745 Bachelor of Engineering in Civil and Environmental Engineering Page 84

HONOURS DEGREE

TL844 Bachelor of Science (Honours) in Agricultural Engineering Page 86

TL847 Bachelor of Science (Honours) in Manufacturing Engineering Page 88

TL845 Bachelor of Science (Honours) in Civil Engineering Page 84

APPLY DIRECT TO IT TRALEE

DEGREE

TL_EAGMN_D Bachelor of Science in Agricultural Mechanisation Page 92

ADD ON HONS DEGREE

Apply to IT Tralee

Bachelor of Science (Honours) in Agricultural Engineering

Bachelor of Science (Honours) in Manufacturing Engineering

Bachelor of Science (Honours) in Civil Engineering

POSTGRADUATE

Masters and doctorate through research.

BACHELOR OF ENGINEERING IN CIVIL AND ENVIRONMENTAL ENGINEERING

LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN CIVIL ENGINEERING

LEVEL 8

COURSE: BACHELOR OF ENGINEERING IN CIVIL AND ENVIRONMENTAL ENGINEERING

Course Code:	TL745
Duration:	3 years
Apply to:	CAO
Number of places:	32
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN CIVIL ENGINEERING

Course Code:	TL845
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL744
www.ittralee.ie/TL844

Civil engineering is all about the assessment, planning, design, construction, operation and maintenance of the different types of infrastructural works that society needs, from roads and rail systems to bridges, harbours, airports, energy and utility services, and water supply schemes. It is a broad discipline which also includes structural & environmental engineering. Environmental engineers apply engineering principles to improve the quality of our environment and work towards the creation of healthy water, air and land resources.

WHY STUDY CIVIL ENGINEERING AT IT TRALEE?

The honours degree includes both technical and management skills and builds on the level 7 Civil and Environmental Engineering course. In developing the course, we have been very careful to maintain the correct balance between theory & practical skills, to emphasise team working & professionalism and to incorporate industry standard information technology. Graduates should be creative problem solvers who can help to shape the future.

A 12 week work placement is a central feature of the programme in Year 3. It's while on placement that you really see the value of your academic learning in a real-life working environment. Your placement lays the foundations of your career path and significantly boosts your employability at the end of the course. Students have the option to graduate after year three with a level 7 qualification.

The emphasis in year 4 is to ensure that graduates are able to work effectively as a professional engineer and are ready to enter the workplace. This is achieved by providing a comprehensive simulated design office experience where students working in teams, plan, design & prepare drawings for a real life

engineering project from the concept phase to the construction.

WHAT ARE MY CAREER OPPORTUNITIES?

Civil engineering offers challenging and varied employment, with opportunities to travel. The course at IT Tralee provides a broad range of marketable, practical & professional skills such as site surveying, engineering design and detailing (3D CAD), design office and site administration, laboratory testing, project management and health & safety. Civil engineering graduate engineers are employed, both in Ireland and abroad, by contractors, subcontractors, consultants, state and semi-state bodies, local authorities and suppliers of civil engineering products and equipment.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Civil Engineering (+1 year for level 7 graduates)

LEVEL 9/10

Graduates of the level 8 programme may apply for a wide variety of taught masters programmes both in Ireland and the UK. There is a clear pathway for graduates who wish to pursue further studies and ultimately gain professional engineering qualifications such as Chartered Engineer.

COURSE OUTLINE

**YEAR 1****Semester 1**

Site Surveying 1
 Building Technology and Regulations 1
 Engineering Drawing and CAD
 Engineering Mathematics
 Building Services
 Engineering Science

YEAR 2**Semester 3**

Fluid Mechanics
 Engineering Mathematics 3
 Soil Mechanics and Science
 Site Surveying 3
 Structural Eng 1 (Civil)
 Advanced Civil Engineering Technology and CAD

YEAR 3**Semester 5**

Foundation Engineering and Environmental Geotechnics
 Civil Engineering Quantities
 Road Engineering
 Structural Engineering 3
 Engineering Mathematics 5
 Environmental Engineering 3

YEAR 4 (TL845 only)**Semester 7**

Integrated Project A
 Engineering Documentation (Design & Management)
 Project Management
 Advanced Foundation Design
 Health & Safety, Quality and Environment
 Utilities Engineering

Semester 2

Engineering Mechanics
 Building Technology and Regulations 2
 Environmental Engineering 1
 Civil Engineering Materials
 Engineering Mathematics 2
 Site Surveying 2

Semester 4

Law and Contract Administration
 Professional Practice
 Strength of Materials
 Structural Engineering 2
 Engineering Mathematics 4
 Environmental Engineering 2

Semester 6

Work Placement Preparation
 Work Placement Practice
 Work Placement Review
 Civil Engineering Project

Semester 8

Integrated Project B
 Geographical Information Systems
 Sustainable Energy
 Building Information Modelling (BIM)
 The Civil Engineer in Society

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF ENGINEERING IN AGRICULTURAL ENGINEERING LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN AGRICULTURAL ENGINEERING LEVEL 8

COURSE: BACHELOR OF ENGINEERING IN AGRICULTURAL ENGINEERING

Course Code:	TL744
Duration:	3 years
Apply to:	CAO
Number of places:	32
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN AGRICULTURAL ENGINEERING

Course Code:	TL844
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL844

Agricultural engineering is a specialised branch of engineering, concerned with the design, manufacture, modification and maintenance of equipment used in agriculture. As a student of IT Tralee's highly regarded Agricultural Engineering programmes, you will work in state-of-the-art facilities and graduate with a degree that enjoys an excellent reputation in the industry. Our awards are accredited by both the Institution of Agricultural Engineers (UK) and by Engineers Ireland.

A twelve-week work placement is a central feature of both programmes. As a third-year student, you participate in a structured period of work experience in a relevant professional setting. It is while on placement that students really see the value of their academic learning in a real-life, working environment. Your placement lays the foundations of your personal career path. Work placement, in essence, is learning in real time. It's all about developing skills, gaining knowledge and cultivating the attitude needed to engineer a thriving career.

These programmes give you an excellent knowledge of agricultural engineering, while in year 4 of the level 8 programme, you gain vital expertise in management, marketing and finance.

WHY STUDY AGRICULTURAL ENGINEERING AT IT TRALEE?

Our world-class facilities include agricultural engineering workshops, machinery halls, science laboratories, computer and electronics laboratories, a mechanical engineering laboratory, a machine and welding shop and a power units garage. In first year, students cover core modules including engineering mathematics and engineering science, together with specialised topics like agri tractor technology. As the course progresses, you will deepen your knowledge in core areas and study additional modules in areas such as control engineering and robotics and machine design.

Our graduates make meaningful contributions to the productivity, efficiency and competitiveness of agricultural services and manufacturing companies. They develop new products and adapt existing technologies to drive productivity and progress in the agricultural sector, both here and abroad.

WHAT ARE MY CAREER OPPORTUNITIES?

Agricultural engineers take up a wide variety of employment opportunities in the agricultural engineering industry, especially in the manufacture, maintenance and modification of agricultural equipment. You will also find work in sales, service, in the installation and demonstration of agricultural equipment, and in the importation and distribution of this equipment. Graduates work with agricultural machinery manufacturers, agents and sales companies and with farm contracting companies, while some also become self employed.

Our graduates also work in waste management, pollution management and control, agricultural engineering consultancy and in recycling.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Agricultural Engineering (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Engineering Drawing and CAD
Electricity
Material Science
Engineering Mathematics
Engineering Science
Agri Tractor Technology 1

YEAR 2**Semester 3**

CAD 2
Engineering Mathematics 3
Mechanics of Machines
Agricultural Science and Precision Farming
Agri Tractor Technology 2
Farm Machinery 2

YEAR 3**Semester 5**

Engineering Mathematics 5
Project (Manufacture and Testing)
Machine Design
Agri Tractor Technology 4
Performance Testing 1
Automation and Robotics

YEAR 4 (TL848 only)**Semester 7**

Computer Aided Engineering and Finite Element Analysis
Environment and Waste Management
Product Design and Development
Quality Management
Instrumentation; Monitoring and Control

Semester 2

Instrument Technology
Engineering Mathematics 2
Electronics
Engineering Mechanics
Workshop Processes and Materials
Farm Machinery 1

Semester 4

Workshop Processes and Materials 2
Engineering Mathematics 4
Strength of Materials
Programmable Logic Controllers and Pneumatics
Agri Tractor Technology 3
Project (CAD and Project Design)

Semester 6

Six Sigma Tools
Power Hydraulics System Design
Work Placement Preparation
Work Placement Practice
Work Placement Review

Semester 8

Project Management
Geographical Information Systems
Strategic Sales and Selling
Accounting & Finance for Ag Machinery
Capstone Project
Marketing and Strategic Planning

BACHELOR OF SCIENCE (HONOURS) IN MANUFACTURING ENGINEERING

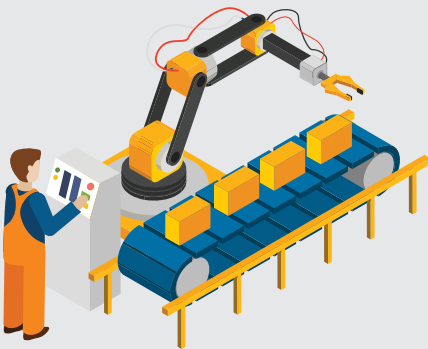
LEVEL 8

COURSE: BACHELOR OF SCIENCE (HONOURS) IN MANUFACTURING ENGINEERING

Course Code:	TL847
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL847

Manufacturing engineering is a broad discipline, which involves the research, development, design, manufacture, operation and maintenance of equipment and machinery. A person working in this position designs the actual process that manufactures the product. Manufacturing engineers plan and design all kinds of products, from microelectronics, smartphones, formula one engine design, advanced factory automation equipment, medical devices and the hundreds of complex machines that we take for granted in everyday life. Practical engineering subjects form the core of the course in first year, while specialist modules in instrumentation, embedded systems, advanced manufacturing technology, control and robotics provide a focus in second and third year.

There is a twelve-week work placement during third year. Your placement lays the foundations of your career path and significantly improves your employability at the end of the programme. In addition, each student completes a project to design, test and/or manufacture components or a production system.

The first 3 years of the program are common with the level 7 Bachelor of Engineering in Manufacturing and Mechatronics (see Page 90).

The final year of the programme will further enhance the student's in-depth theoretical knowledge of the major facts, pertinent theories, concepts and methods employed in the field of manufacturing engineering in their chosen stream. You will study advanced modules in Finite Element Analysis (FEA) and Machine Control Systems. There is also a team research project which enhances the student's research and analytical skills and their ability to work in groups which is of significant benefit to the manufacturing industry.

WHY STUDY MANUFACTURING ENGINEERING AT IT TRALEE?

The high tech advanced manufacturing is the future for our economy. Our programmes are designed to prepare you for a rewarding career in this thriving, dynamic sector. The engineering facilities at IT Tralee are state-of-the-art, and include computer and electronics labs, science labs, robotics labs, mechanical engineering labs, machine and welding workshops, a renewable energy laboratory, a power units garage, an agricultural engineering workshop, a machinery hall and extensive library facilities. The programme has been designed with substantial input from industry and delivers broad knowledge in manufacturing engineering and prepares graduates for work in a wide variety of fields both in Ireland and internationally.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates work in a range of industries, including manufacturing, electronics, automotive, automation, maintenance and development. Engineering roles include areas such as factory management, applications and hardware design, IC design, multimedia applications, network administration, power engineering, process control, software development, telecommunications, design, service, testing and verification.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

COURSE OUTLINE

YEAR 1 - COMMON TO BOTH STREAMS

Semester 1

Engineering Drawing and CAD
Electricity
Material Science
Engineering Mathematics
Engineering Science
Computer Programming

Semester 2

Instrument Technology
Engineering Mathematics 2
Electronics
Engineering Mechanics
Workshop Processes and Materials
Computer Programming 2

MECHANICAL AND MANUFACTURING
ENGINEERING STREAM

YEAR 2

Semester 3

CAD 2
Engineering Mathematics 3
Mechanics of Machines
Fluid Mechanics
Instrumentation and Interfacing
Production Technology

Semester 4

Thermodynamics
Engineering Mathematics 4
Strength of Materials
Programmable Logic Controllers and Pneumatics
Project (CAD and Project Design)
Workshop Processes and Materials 2

YEAR 3

Semester 5

Engineering Mathematics 6
Project (Manufacture and Testing)
Machine Design
Control Engineering and Robotics
Automation and Robotics
Advanced Manufacturing Engineering

Semester 6

Six Sigma Tools
Operations Management
Work Placement Preparation
Work Placement Practice
Work Placement Review

MECHANICAL AND MECHATRONICS
ENGINEERING STREAM

YEAR 2

Semester 3

CAD 2
Electrical Power Systems
Engineering Mathematics 3
Mechanics of Machines
Production Technology
Instrumentation and Interfacing

Semester 4

Network Fundamentals
Engineering Mathematics 4
Programmable Logic Controllers and Pneumatics
Project 1
Analogue Electronics
Digital Electronics

YEAR 3

Semester 5

Engineering Mathematics 6
Project 2
Machine Design
Control Engineering and Robotics
Automation and Robotics
Embedded Systems (Engineering)

Semester 6

Six Sigma Tools
Operations Management
Work Placement Preparation
Work Placement Practice
Work Placement Review

YEAR 4 (COMMON TO BOTH STREAMS)

Semester 7

Operations Techniques
Computer Aided Engineering and Finite Element Analysis
Marketing and Strategic Planning
Product Design and Development
Quality Management

Semester 8

Sustainable Manufacturing
Machine Control Systems
Project Management
Instrumentation; Monitoring and Control
Reliability Engineering
Capstone Project

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF ENGINEERING IN MANUFACTURING AND MECHATRONICS ENGINEERING LEVEL 7

Degree Award Options:

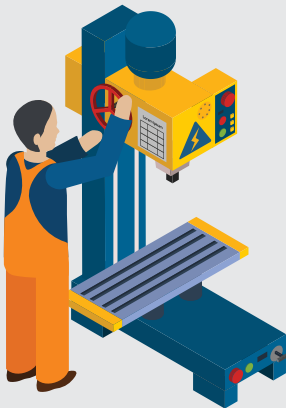
- Mechanical and Manufacturing Engineering
- Mechanical and Mechatronics Engineering

COURSE: BACHELOR OF ENGINEERING IN MANUFACTURING AND MECHATRONICS ENGINEERING

Course Code:	TL747
Duration:	3 years
Apply to:	CAO
Number of places:	32
NFQ Level:	7

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136



WHO DO I CONTACT FOR MORE INFORMATION?

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Manufacturing and Mechatronics engineering is a discipline, primarily concerned with the design, development, manufacture, operation and maintenance of mechanical and electronic equipment and machinery. Manufacturing and Mechatronics Engineers plan and design all kinds of products, from turbines and internal combustion engines to refrigeration equipment, factory equipment, medical devices and the hundreds of complex machines that we take for granted in everyday life. Practical engineering subjects form the core of the course in first year, while specialist modules in instrumentation, embedded systems, advanced manufacturing technology, control and robotics provide a focus in second and third year. There is a twelve-week work placement during third year. Your placement lays the foundations of your career path and significantly improves your employability at the end of the programme. In addition, each student completes a project to design, test and/or manufacture components or a production system.

WHY STUDY MANUFACTURING AND MECHATRONICS ENGINEERING AT IT TRALEE?

The high tech manufacturing sector has been singled out as one of the driving forces behind our economic recovery. Our programmes are designed to prepare you for a rewarding career in this thriving, dynamic sector. The engineering facilities at IT Tralee are state-of-the-art, and include computer and electronics labs, science labs, robotics labs, mechanical engineering labs, machine and welding workshops, a renewable energy laboratory, a power units garage, an agricultural engineering workshop, a machinery hall and extensive library facilities. The programme has been designed with substantial input from industry and delivers broad knowledge in manufacturing and mechatronics

engineering and prepares graduates for work in a wide variety of fields both in Ireland and internationally.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates work in a range of industries, including manufacturing, electronics, automotive, automation, maintenance and development. Engineering roles include areas such as factory management, applications and hardware design, IC design, multimedia applications, network administration, power engineering, process control, software development, telecommunications, design, service, testing and verification.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Science (Honours) in Manufacturing Engineering (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

YEAR 1 - COMMON TO BOTH STREAMS**Semester 1**

Engineering Drawing and CAD
Electricity
Material Science
Engineering Mathematics
Engineering Science
Computer Programming

Semester 2

Instrument Technology
Engineering Mathematics 2
Electronics
Engineering Mechanics
Workshop Processes and Materials
Computer Programming 2

**MECHANICAL AND MANUFACTURING
ENGINEERING STREAM****YEAR 2****Semester 3**

CAD 2
Engineering Mathematics 3
Mechanics of Machines
Fluid Mechanics
Instrumentation and Interfacing
Production Technology

Semester 4

Thermodynamics
Engineering Mathematics 4
Strength of Materials
Programmable Logic Controllers and Pneumatics
Project (CAD and Project Design)
Workshop Processes and Materials 2

YEAR 3**Semester 5**

Engineering Mathematics 6
Project (Manufacture and Testing)
Machine Design
Control Engineering and Robotics
Automation and Robotics
Advanced Manufacturing Engineering

Semester 6

Six Sigma Tools
Operations Management
Work Placement Preparation
Work Placement Practice
Work Placement Review

**MECHANICAL AND MECHATRONICS
ENGINEERING STREAM****YEAR 2****Semester 3**

CAD 2
Electrical Power Systems
Engineering Mathematics 3
Mechanics of Machines
Instrumentation and Interfacing
Production Technology

Semester 4

Engineering Mathematics 4
Analogue Electronics
Programmable Logic Controllers and Pneumatics
Project 1
Network Fundamentals
Digital Electronics

YEAR 3**Semester 5**

Engineering Mathematics 6
Project 2
Machine Design
Control Engineering and Robotics
Automation and Robotics
Embedded Systems (Engineering)

Semester 6

Six Sigma Tools
Operations Management
Work Placement Preparation
Work Placement Practice
Work Placement Review

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF SCIENCE IN AGRICULTURAL MECHANISATION LEVEL 7

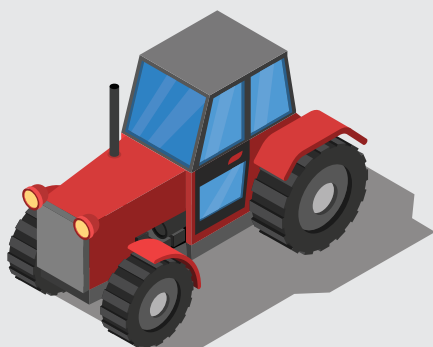
COURSE: BACHELOR OF SCIENCE IN AGRICULTURAL MECHANISATION

Course Code:	TL_EAGMN_D
Duration:	3 years
Apply to:	IT Tralee
Number of places:	32
NFQ Level:	7

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

NOTE: Applicants wishing to enrol on this programme will need to secure appropriate work placement from a suitable employer before the course starts. Please contact the Department of Engineering, Technology and Mathematics for further details.



WHO DO I CONTACT FOR MORE INFORMATION?

Dr. Patrick Carney
Head of Department of Technology,
Engineering and Mathematics.
T: +353 (0)66 714 5606
www.ittralee.ie/TL745

The aim of this programme is to produce a technician with a fundamental knowledge of the essential engineering skills associated with agricultural machinery. This knowledge, combined with extensive work based practical learning, will equip the learner with the skills demanded of a technician by the farm machinery industry.

WHY STUDY AGRICULTURAL MECHANISATION AT IT TRALEE?

Our world-class facilities include agricultural engineering workshops, machinery halls, computer and electronics laboratories, a mechanical engineering laboratory, a machine and welding shop and a power units garage. Students will undertake three periods of work-placement over the duration of the programme. These placements will be of a minimum duration of twelve weeks each. During each placement the student will be required to undertake a minimum number of practical assignments from a prescribed list. This will be undertaken under the direct supervision of the work placement supervisor.

WHAT ARE MY CAREER OPPORTUNITIES?

This course will provide students with the foundation for a career in agri-mechanic roles anywhere in the world including farm machinery manufacturers, maintenance and repair.

The graduate will have knowledge and understanding of:

- the function, operating principles, service procedures and fault diagnosis of tractors and farm machinery, electrical and electronic systems as applied to agricultural machinery;
- Precision farming systems, workshop techniques including health and safety;
- The creation and maintenance of digital records;

- Pre-delivery inspection for agricultural machinery, effective engagement with customers.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

On completion of this course, students will be eligible to apply for Level 8 programmes in a similar field.

Level 9/10

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Electricity
Work Shop Processes & Materials
Mechanics of Farm Machinery
Farm Machinery 1
Agri Tractor Technology 1
Computer Applications

YEAR 2**Semester 3**

Farm Machinery 2
Agri Tractor Technology 2
Computer Programming
Electronics
Customer Service
Workshop Processes & Materials 2

YEAR 3**Semester 5**

Instrumentation & Interfacing
Agri Tractor Technology 3
Agri Tractor Technology 4
Digital Electronics
Analogue Electronics
Applied Precision Farming & Instrumentation

Semester 2

Work Placement 1 Agri-Mechanisation

Semester 4

Work Placement 2 Agri-Mechanisation

Semester 6

Work Placement 3 Agri-Mechanisation

NOTE: ALL MODULES ARE MANDATORY.

ENGINEERING APPRENTICESHIP

Apprenticeship is a system of employment-based training and education which gives you the skills, knowledge and education to successfully perform the core skills of your chosen trade.

The Irish apprentice system has seven phases. The first, third, fifth and seventh phase are completed on-the-job, with the employer. The second phase is completed in an ETB (Education and Training Board) Training Centre. The fourth and sixth phases are completed in an Institute of Technology. When these phases are complete, you must pass the relevant examinations. Depending on your results in phase six, it is possible to progress on to a higher certificate course. Please see the IT Tralee website for details.

Right now, there are apprentices pursuing phase four and phase six modules on the Agricultural Mechanics Apprenticeship at IT Tralee. We are the only college in the country which offers craft level apprenticeship courses in agricultural mechanics. Our facilities give apprentices a unique opportunity to experience the state-of-the-art technology currently being employed in the agricultural sector.

As and from January 2018 IT Tralee will be offering phase 4 and phase 6 modules on the Carpentry & Joinery apprenticeship.

WHAT ARE MY CAREER OPPORTUNITIES?

The Agricultural Mechanics apprenticeship gives you the foundation for a career in agribusiness anywhere in the world. Our graduates work in dairy farm management, food processing, food and farm business, state bodies, education and research, professional and owner management of farms, consultancy and marketing and communications.

For top-level carpentry apprentices with an ambition to progress, career progression routes would include: Site manager, Contract Manager or Clerk of Works. Starting your own business is also a desirable step for those with entrepreneurial flair.

WHAT ARE THE ENTRY REQUIREMENTS?

Employment may begin at 16 years of age subject to the minimum educational requirements:

- grade D in any 5 subjects, at Department of Education and Skills Junior Certificate Level;
- satisfactory completion of a FÁS pre-apprenticeship course;
- in certain occupations, a vision test is required.

NOTE:

To obtain an apprenticeship, it is necessary to contact a prospective employer directly. The employer then registers your name with their local SOLAS Office/ETB Training Centre. Only then can the training programme begin.

WHO DO I CONTACT FOR MORE INFORMATION?

Dr. Patrick Carney
Head of Department of Technology,
Engineering and Mathematics.
T: +353 (0)66 714 5606
www.ittralee.ie/TL745

The Perks of Studying at IT Tralee

Perk **3** No. **3** Careers

National and International
work placements.

89% of our students are employed or
pursuing further studies by October
following graduation.

SCHOOL OF HEALTH AND SOCIAL SCIENCES

HEAD OF SCHOOL

Mr Seamus O'Shea

We offer taught programmes, which range from Ordinary Degree all the way through to Masters Degree. In recent years, we have developed our courses in partnership with a range of national and international colleges and service partners. For example, the BA in Early Childhood Practice is run in collaboration with Mary Immaculate College, Limerick. The BA (Hons) in Counselling with Addiction is delivered in partnership with Galilee House/Cuan Mhuire. The BA in Outdoor Learning is run with Outdoor Education Centres nationally, while the MSc in Adapted Physical Activity (APA) Leadership was developed and is run with our APA partners.

Approval is in place for the following research fields at Level 9:

- Health Studies and Sports Science (linked research centre UNESCO Chair on 'Transforming the lives of people with disabilities, their families and communities, through Physical Education, Sport, Fitness and Recreation');
- Nursing, Social Studies/Care (linked research Centre for the Advancement of Inter-Professional Education (CAIPE)). The research strategy for this area has been revised to align it with our partner colleges in the South of Ireland (i.e. the Departments of Nursing and Health Sciences at WIT, UCC) and the Sacred Heart University in Connecticut, USA.

IT Tralee has been awarded a United Nations Education, Science and Culture Organisation (UNESCO) Chair. This is the first such Chair worldwide. This Chair now leads a global partnership working in the domains of quality inclusive physical education, sport, recreation and fitness as part of a broader intersectional human rights agenda focused on the social inclusion of marginalised groups in keeping with the goals of the United Nations. The goal of this programme is to advance research, training and programme development in higher education by building networks and encouraging co-operation through the transfer of knowledge across borders. This designation is testament to the pioneering work that we have undertaken in the APA area and confirms our international standing in this specialism.

We recognise the value of strategic alliances, for a variety of reasons. They provide valuable feedback, they strengthen our core activities and create opportunities for both ourselves and all of our stakeholders. Every department within the School has developed a network of partnerships with a diverse range of organisations, locally, nationally and internationally.

DEPARTMENT OF SOCIAL SCIENCES

Head of Department: Ms. Aisling Sharkey

CODE	NFQ LEVEL		PAGE
TL880	8	Bachelor of Arts (Honours) in Early Childhood Care and Education	100
TL780	7	Bachelor of Arts in Early Childhood Care and Education	100
TL881	8	Bachelor of Arts (Honours) in Social Care	102
TL781	7	Bachelor of Arts in Social Care	102

DEPARTMENT OF NURSING AND HEALTH CARE SCIENCES

Head of Department: Ms. Gerardina Harnett

CODE	NFQ LEVEL		PAGE
TL890	8	Bachelor of Science (Honours) in General Nursing	106
TL891	8	Bachelor of Science (Honours) in Mental Health Nursing	108
TL889	8	Bachelor of Arts (Honours) in Counselling with Addiction	110

DEPARTMENT OF HEALTH AND LEISURE STUDIES

Head of Department: Dr. Michael Hall

CODE	NFQ LEVEL		PAGE
TL871	8	Bachelor of Science (Honours) in Health and Leisure (Degree Award Options: Athletic Performance, Adapted Physical Activity, Health and Wellbeing, Physical Education OR Sports Development)	114
TL771	7	Bachelor of Science in Health and Leisure (Degree Award Options: Health and Leisure with Education in Aquatics OR Health and Leisure with Outdoor & Experiential Learning)	114
TL872	8	Bachelor of Science (Honours) in Health and Leisure with Massage	118
TL772	7	Bachelor of Science in Health and Leisure with Massage	118

For further information contact the School of Health and Social Sciences

T: +353 (0)66 719 1770 | F: +353 (0)66 714 5651 | E: admissions@staff.ittralee.ie | www.ittralee.ie

DEPARTMENT OF SOCIAL SCIENCES

HEAD OF DEPARTMENT

Ms Aisling Sharkey

There are two programme areas on offer in this department:

- Early Childhood Care and Education;
- Social Care.

These programmes include two full semesters of work placement, which allow you to put everything you have learned into practice. The work placement also gives you an opportunity to make contacts and gain valuable experience in the workplace. Both of our degrees can be pursued up to Level 8. The distinction between a Level 7 and a Level 8 programme really lies in the additional work done in the add-on fourth year - a year which encourages more independent study and in which you develop valuable research skills. In addition, that final year emphasises high standards of academic attainment to prepare you for further study and to launch you into a successful career in your chosen field.

WHO DO I GO TO FOR FURTHER INFORMATION?

Ms. Aisling Sharkey

Head of Department of Social Sciences

T: +353 (0)66 719 1662

E: aisling.sharkey@staff.ittralee.ie

Or

Mr. Pat McGarty

Senior Lecturer

T: +353 (0)66 719 1660

E: patrick.mcgarty@staff.ittralee.ie

www.ittralee.ie

What our graduates say about us:

'I graduated from the IT, Tralee in 2011 with an honours degree in Early Childhood Care and Education. This course provided me with the opportunity to gain a strong foundation in a broad range of relevant subject areas. The lectures are supportive and encouraging assisting pupils to reach their full potential and become professional practitioners. The practical placements provided opportunities to work within the field and become competent practitioners.

The theoretical side provides students with a knowledge base from which to underpin their practice, creating high quality professional practitioners. I thoroughly enjoyed my time at the ITT, I then worked within the field for a year before going on to pursue a master in speech and language therapy at the University of Limerick.

I would highly recommend this course to anyone looking to pursue a career in the early childhood sector and those wishing to pursue further careers working with children in related fields for example, Teaching, working as part of an early intervention team or speech and language therapy.'

Rosalind Fitzgerald - Speech and Language Therapist

COURSE PROGRESSION CHART

APPLY DIRECT TO CAO

DEGREE

TL780 Bachelor of Arts in Early Childhood Care and Education
Page 100

TL781 Bachelor of Arts in Social Care
Page 102

HONOURS DEGREE

TL880 Bachelor of Arts (Honours) in Early Childhood Care and Education
Page 100

TL881 Bachelor of Arts (Honours) in Social Care
Page 102

ADD ON HONS DEGREE

Apply to IT Tralee

Bachelor of Arts (Honours) in Early Childhood Care and Education

Bachelor of Arts (Honours) in Social Care

POSTGRADUATE

Taught postgraduate masters -
MA in Social Studies (*Advanced Professional Practice*).
Masters by Research.
Doctorate by Research.

BACHELOR OF ARTS IN EARLY CHILDHOOD CARE AND EDUCATION LEVEL 7

BACHELOR OF ARTS (HONOURS) IN EARLY CHILDHOOD CARE AND EDUCATION LEVEL 8

COURSE: BACHELOR OF ARTS IN EARLY CHILDHOOD CARE AND EDUCATION

Course Code:	TL780
Duration:	3 years
Apply to:	CAO
Number of places:	40
NFQ Level:	7

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

Course Code:	TL880
Duration:	4 years
Apply to:	CAO
Number of places:	40
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Vetting by An Garda Síochána is a mandatory requirement for this programme.

See page 143 for further details.

WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Aisling Sharkey
Head of Department of Social Sciences
T: +353 (0)66 719 1662
E: aisling.sharkey@staff.ittralee.ie
or
Mr. Gerard O'Carroll, Lecturer
T: +353 (0)66 7191904
E: gerard.ocarroll@staff.ittralee.ie
www.ittralee.ie/TL780
www.ittralee.ie/TL880

The past two decades have seen a rapid expansion in early childhood services in Ireland, and an increasing awareness of the educational and training needs of early childhood practitioners.

These are applied programmes, where the emphasis is on achieving high academic standards and delivering work-based learning in supervised practice placements. We also teach the necessary managerial skills to set up and run a service. This approach is all about helping you to get the knowledge, values and skills needed to perform exceptionally in your chosen field, to engage in research or manage a facility.

Both courses are delivered through a blend of lectures, workshops, practicals, tutorials and online support. Work placements are an integral part of the programmes. All of our students participate in a supervised work placement in one of a variety of settings in Ireland or abroad for two consecutive semesters.

In the final year of the Level 8 honours programme, you study research methods, specialise in chosen areas and complete a dissertation on a topic of your choice.

WHY STUDY EARLY CHILDHOOD CARE AND EDUCATION AT IT TRALEE?

Our graduates often comment on the extremely enjoyable yet challenging nature of the programme, the high level of networking between staff and students and the peer support and camaraderie of fellow students. We promote current best practise in early childhood studies, and our department has Erasmus links with a range of partner EU institutions. All of our students are encouraged to develop their own learning styles and professional pathways. To that end,

staff teaching on these programmes are supported by a range of professionals, guest lecturers, therapists and specialists who offer workshops and seminars to deliver a highly interactive learning environment.

WHAT ARE MY CAREER OPPORTUNITIES?

There are increasing demands for qualified graduates in early childhood education in both the private and public sectors. Our graduates take up roles such as centre leader/manager and curriculum developer. They work in community outreach, in special education and as early intervention specialists. Because this award is internationally recognised, you also have the opportunity to work abroad.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Arts in Early Childhood Care and Education (+1 Year for level 7 graduates)

LEVEL 9/10

Holders of the Bachelor of Arts (Honours) in Early Childhood Care and Education are eligible to apply for a place on a Professional Master of Education (primary teaching).

Masters (taught) - Master of Arts in Social Studies (Advanced Professional Practice) see page 122.

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

COURSE OUTLINE

**YEAR 1****Semester 1**

Creativity (Dance, Drama)
 Early Learning and Play
 Introduction to Communication Skills in ECCE
 Introduction to Sociology
 Research in Social Sciences
 Introduction to Psychology

YEAR 2**Semester 3**

Psychology of Atypical Development
 Child Health and Health Promotion 3
 Early Learning and Language Acquisition
 Early Childcare Law
 ECCE Practice and Placement Skills
 Physical Education for Young Children

YEAR 3**Semester 5**

Practice Placement 2

Semester 2

Child Health & Health Promotion 2
 Childhood and Social Policy
 Creativity (Music, Art)
 Developmental Child Psychology
 Early Learning Environments
 ECCE Personal and Professional Skills

Semester 4

Practice Placement 1

Semester 6

Language & Curriculum
 Meeting Individual Children's Needs in Group Context
 Critical Reflection for Practice in ECCE
 Child Health & Health Promotion 4
 Child and Family Law

YEAR 4 (TL880 only)**Semester 7**

Research Methods
 Language Awareness
 Social Policy Analysis
 Curriculum Management
 Inclusive Education

Semester 8

Dissertation
 Psychology of Group and Interpersonal Dynamics
 Adapted Movement Activities
 Global Justice in Early Education and Practice

NOTE: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL880. Electives are offered subject to demand and resources.

BACHELOR OF ARTS IN SOCIAL CARE LEVEL 7

BACHELOR OF ARTS (HONOURS) IN SOCIAL CARE LEVEL 8

COURSE: BACHELOR OF ARTS IN SOCIAL CARE

Course Code:	TL781
Duration:	3 years
Apply to:	CAO
Number of places:	50
NFQ Level:	7

COURSE: BACHELOR OF ARTS (HONOURS) IN SOCIAL CARE

Course Code:	TL881
Duration:	4 years
Apply to:	CAO
Number of places:	16
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Vetting by An Garda Síochána is a mandatory requirement for this programme.

See page 143 for further details.

WHO DO I CONTACT FOR MORE INFORMATION?

Mr. Pat McGarty, Senior Lecturer
T: +353 (0)66 719 1660
E: patrick.mcgarty@staff.ittralee.ie
or
Ms. Aisling Sharkey
Head of Department of Social Sciences
T: +353 (0)66 719 1662
E: aisling.sharkey@staff.ittralee.ie
www.ittralee.ie/TL781
www.ittralee.ie/TL881

Social care is a profession where people work with those who experience marginalisation or disadvantage or who have special needs. Social care practitioners work in a wide variety of settings with a wide variety of people: children and adolescents in residential care, people with learning or physical disabilities, the homeless, people with alcohol/drug dependency, families in the community, older people or recent immigrants to Ireland. Social care practitioners typically work in a direct person-to-person capacity with service users. They will try to provide an environment in which various social, educational and relationship interventions can take place where the service user lives. Work in the sector is usually interdisciplinary. Typically, social care workers, social workers, early childhood care workers and so on work together in teams. This programme is delivered through a blend of lectures, workshops and two full semesters of off-site, supervised practice placement.

WHY STUDY SOCIAL CARE AT IT TRALEE?

In this course, it is essential that students develop practical working skills in a variety of real-world settings and demonstrate their competence in performing social care roles. To make sure that graduates are fully prepared for the diversity that this job offers, field work visits and placements are an integral part of the course.

WHAT ARE MY CAREER OPPORTUNITIES?

Due to the broad range of areas covered on the programme, there are a wide variety of career opportunities for graduates, in both the public and the voluntary sector. Areas include residential care, outreach, alcohol/drug dependency, family support, community care, older people, juvenile justice and community childcare services. Graduates also work as carers of children with special needs,

carers of adults with special needs and/or behavioural difficulties. Community care workers are involved in providing outreach and family support services for children and adults living at home. Career options exist in a variety of settings, including the Health Service Executive (HSE) and the substantial voluntary and community sectors.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

Bachelor of Arts (Honours) in Social Care (+1 Year for level 7 graduates)

LEVEL 9/10

Masters (taught) - Master of Arts in Social Studies (Advanced Professional Practice) see page 122.

Postgraduate masters or doctorate through research for level 8 graduates.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Introduction to Social Care Practice Skills
 Creative Practice (Dance and Drama)
 Introduction to Psychology
 Research in Social Sciences
 Social Policy 1
 Introduction to Sociology

YEAR 2**Semester 3**

Contemporary Social Care Practice and Placement Skills
 Social Law 1
 Adapted Physical Activity: Disability Studies
 Abnormal Psychology
 Social Research Methods 1
 Family Support

YEAR 3**Semester 5**

Practice Placement 2

YEAR 4 (TL881 only)**Semester 7**

Social Research Methods 2
 Health and Social Care Policy 1
 Advanced Social Care Practical Skills
 Organisational Psychology
 Social Capital and Civil Society 1

Semester 2

Intercultural Communication
 Creative Practice (Music and Art)
 Psychology of Normal Development
 Social Policy 2
 Sociology 1
 Understanding the Social Care Context

Semester 4

Practice Placement 1

Semester 6

Critical Reflective Practice: Theory and Skills for Social Care
 Child and Family Law
 Juvenile Justice and Young People at Risk
 Managing Care and Practice
 Disability Studies
 Social Psychology

Semester 8

Social Research Methods 3
 Health and Social Care Policy 2
 Social Capital and Civil Society 2
 Social Care Management
 Social Entrepreneurship

NOTE: As well as the mandatory modules listed you will study a number of elective modules.
 Elective module information can be found at www.ittralee.ie/TL881. Electives are offered subject to demand and resources.

DEPARTMENT OF NURSING AND HEALTH CARE SCIENCES

HEAD OF DEPARTMENT

Ms Gerardina Harnett

Welcome to the Department of Nursing and Health Care Sciences at the Institute of Technology Tralee. We have been preparing general and mental health nurses in the Institute since 2002 and our mission is to guide the development of competent, capable, caring and ethical nurses, who value the dignity and potential of every person, who care with integrity and responsibility and who enjoy learning and helping others.

The two undergraduate courses in general and mental health nursing are very popular and we have a thriving postgraduate suite of nursing based programmes. We have been developing our research focus and, in collaboration with our health service partners and other University and Institute partners, we offer a growing suite of research opportunities for qualified nurses. We have also been developing our international focus with some undergraduate nursing students travelling to England and Finland as part of the Erasmus+ exchange and some mental health nursing students also travelling to the Central Mental Hospital in Dundrum. Nurses from across the world come to study at IT Tralee and this year we have nurses from China, America, Saudi Arabia and the UK.

There are exciting opportunities for our graduates, many of who return each year to share their experiences with the students, indicating that they are in high demand across the world and have leadership roles in clinical, educational, research and management positions.

You will not regret your decision to choose nursing at IT Tralee, you will develop lifelong friendships and invaluable life skills, and you will be in small classes, learning within a friendly and supportive teaching team. Take the plunge and come and join us at IT Tralee.

WHO DO I GO TO FOR FURTHER INFORMATION?

Ms. Gerardina Harnett, Head of Department of Nursing and Health Care Sciences,

T: +353 (0)66 719 1695

The Nursing Careers Centre (NCC), T: +353 (0)1 639 8500

www.ittralee.ie

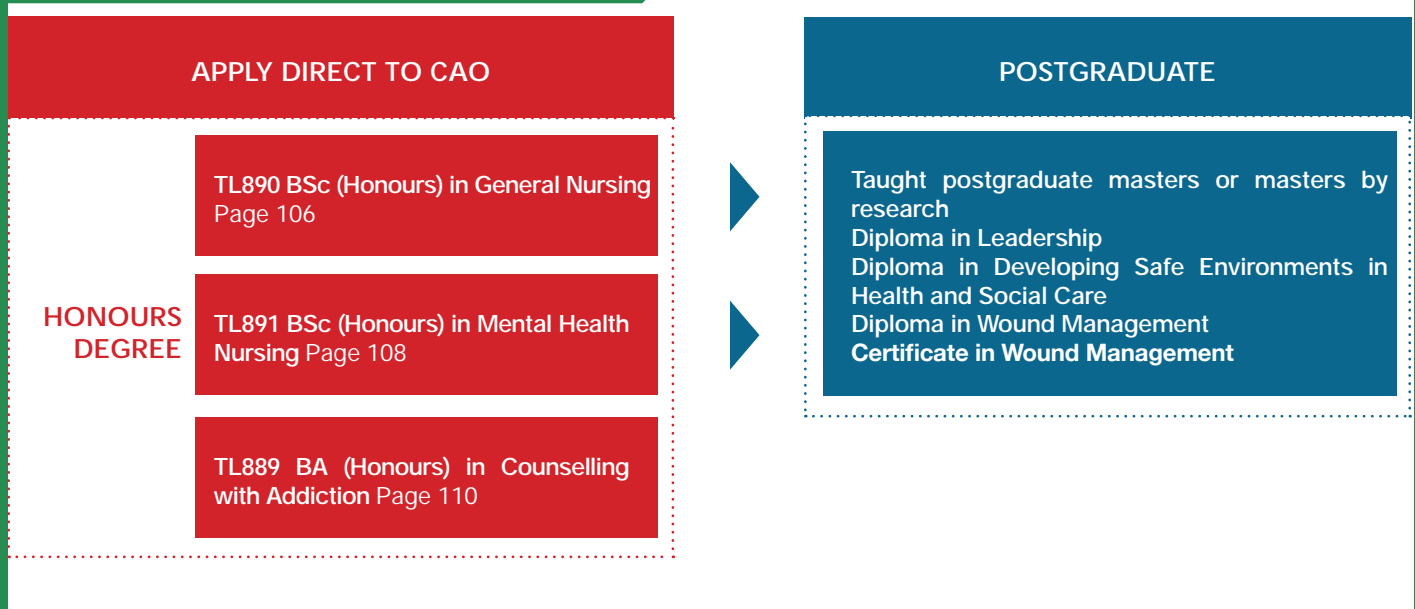
What our graduates say about us:

'I am working as a Staff Nurse with the South Lee Mental Health Services since graduating with a BSc in Mental Health Nursing in 2014. My base is within the Acute Mental Health Unit, Cork University Hospital. The unit provides holistic mental health care to the South Lee population and it is a very busy unit with a high turnover of patients due to the acute profile of the unit. The role demands nursing staff to respond effectively and efficiently to the needs of the patients. The unit challenges me to provide high quality, thorough and compassionate care to my patients, it is very rewarding being part of the journey of recovery for each patient.'

Looking back on my time in the Institute of Technology Tralee, it afforded me a first class learning environment and lecturers who are always approachable and work very closely with the students. As a mature student, this support allowed me to develop clinical competences along with the core competences of nursing; such as interpersonal skills and the skill to develop therapeutic relationships with my patients. Furthermore, the Solas Nursing Building in Tralee, promotes cutting edge innovation and the clinical assimilation laboratories allow students to practice clinical skills, which enhances confidence. The clinical placements associated with the course facilitate insightful and beneficial learning opportunities across all aspects of the healthcare environment. The practical skills supported by academic knowledge have provided me with the confidence to enter any nursing environment. The Institute of Technology Tralee is in touch with contemporary nursing for the Irish healthcare system.'

John Daly - Mental Health Staff Nurse

COURSE PROGRESSION CHART



BACHELOR OF SCIENCE (HONOURS) IN GENERAL NURSING LEVEL 8

COURSE: BACHELOR OF SCIENCE (HONOURS) IN GENERAL NURSING

Course Code:	TL890
Duration:	4 years
Apply to:	CAO
Number of places:	56
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Vetting by An Garda Síochána is a mandatory requirement for this programme.

See page 143 for further details.



WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Gerardina Harnett
Department Nursing and Health
Care Sciences
T: +353 (0)66 719 1695
E: nursing@ittralee.ie
Or
The Nursing Careers Centre (NCC)
T: +353 (0)1 639 8565
www.ittralee.ie/TL890

This programme gives you the skills to provide nursing care in a wide variety of clinical settings. It emphasises the importance of working with other professions and planning individualised nursing care in partnership with patients. As with all nurse education programmes, our focus is on caring, communication and understanding the patient's experience of health and illness.

Over the course of the four year programme, you develop a range of skills, including professional/ethical practice; holistic approaches to care and the integration of knowledge; interpersonal relationships; organisation and management of care; and personal and professional development. Nursing offers exciting opportunities to develop valuable specialist knowledge, and skills that are in demand both nationally and internationally.

This course consists of 76 weeks of classroom-based theory and practical learning, interspersed with 81 weeks of clinical placements. Nursing students complete their programme with a 36 week continuous internship rostered placement. Clinical practice can take place locally including counties Kerry and West Cork, as well as internationally and encompasses a very broad range of clinical settings, including general medical and surgical nursing, accident and emergency, outpatients, operating theatre and nursing children - among others.

WHY STUDY GENERAL NURSING AT IT TRALEE?

Our nursing programmes are taught in the purpose-built Sólás building at the North Campus. This state-of-the-art facility has technology enhanced classrooms, lecture halls, practical skills laboratories and computer suites. Our partnership with the HSE and Bon Secours Hospital in Tralee offers students a wide range of exciting clinical placement facilities. Throughout

this programme, you will get great support from the Institute and from clinical staff, both in the classroom and on placement.

WHAT ARE MY CAREER OPPORTUNITIES?

Registered general nurses can explore a range of career pathways. Many enter clinical practice, specialising in areas like cardiology, intensive care, palliative care and public health nursing. You may also pursue a career in nursing management, research or education. Former IT Tralee nursing students work in Ireland, Europe and across the globe.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Master of Science in Nursing (taught) see page 123.

Masters or doctorate through research.
www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Learning at Third Level
Professionalism in Nursing Practice
Health and Wellbeing
Skills For Safe Practice
Developing Competency in General Nursing Practice 1

YEAR 2**Semester 3**

Principles of General Nursing Care 2
Compassion and Integrity in Caring
Introduction to Health Informatics
Fundamentals of Nursing Knowledge and Research
Developing Competency in General Nursing Practice 3

YEAR 3**Semester 5**

Appreciative Reflective Inquiry
Developing Competency in General Nursing Practice 5

YEAR 4**Semester 7**

Safety Quality Accountability
Principles of Nursing Care 5: Clinical Decision Making
Leadership and Management
Research for Evidence Based Nursing

Semester 2

Principles of General Nursing Care 1
Caring in Context
The Sociology and Psychology of Health and Illness
Developing Competency in General Nursing Practice 2

Semester 4

Principles of General Nursing Care 3
Health Promotion
Therapeutic Relationships and Interventions
Inter-Professional Education and Collaborative Practice
Developing Competency in General Nursing Practice 4

Semester 6

Principles for Nursing Care 4: Applied Pharmacology for General Nursing
Law and Ethics for Practice
Enabling Positive Ageing
Nursing Research Methodology
Prevention and Management of Chronic Illness

Semester 8

Developing Competency in General Nursing Practice 6
Applied Nursing Research

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF SCIENCE (HONOURS) IN MENTAL HEALTH NURSING

LEVEL 8

COURSE: BACHELOR OF SCIENCE (HONOURS) IN MENTAL HEALTH NURSING

Course Code:	TL891
Duration:	4 years
Apply to:	CAO
Number of places:	26
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Vetting by An Garda Síochána is a mandatory requirement for this programme.

See page 143 for further details.



WHO DO I CONTACT FOR MORE INFORMATION?

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Department Nursing and Health
Care Sciences

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Or

The Nursing Careers Centre (NCC)

T: +353 (0)1 639 8565

www.ittralee.ie/TL891

The aim of mental health nursing is to promote mental health and wellness, to plan with, support and provide nursing care to people who suffer from mental illness and mental distress, and to support families and communities in dealing with mental health challenges. This care can be provided in acute care facilities such as hospitals, in people's own homes and community care settings. Supporting on-going mental health recovery is an important role of being a mental health nurse.

Our graduates work with individuals, families and communities to prevent mental health problems so that as many people as possible can live full lives in community settings. At the heart of the role of the mental health nurse is the ability to establish therapeutic relationships with individuals and their families.

The course consists of 76 weeks of classroom-based theory and practical learning, interspersed with 81 weeks of clinical placements. A 36-week continuous rostered clinical placement is also included. This can take place either locally or internationally and encompasses a very broad range of clinical settings, including acute mental health, care of the older person, specialist care, adult general nursing and working with voluntary and statutory bodies.

When you complete this course, you will be eligible to have your name entered into the Psychiatric Division of the Register of Nurses maintained by Bord Altranais agus Cnáimhseachais na hÉireann.

WHY STUDY MENTAL HEALTH NURSING AT IT TRALEE?

Our nursing programmes are taught in the purpose-built Sólás building at the North Campus. This state-of-the-art facility has technology enhanced

classrooms, lecture halls, practical skills laboratories and computer suites. Our partnership with the HSE offers students a wide range of exciting clinical placement facilities across counties Kerry and Cork. Throughout this programme, you will get great support from the Institute and from clinical staff, both in the classroom and on placement.

ERASMUS opportunities are available in Oxford Brookes University in England for students studying mental health nursing at IT Tralee.

WHAT ARE MY CAREER OPPORTUNITIES?

Nursing offers exciting opportunities to develop valuable specialist knowledge and skills that are always in demand both nationally and internationally. Registered psychiatric nurses can explore a range of career pathways. Many enter clinical practice, specialising in areas like forensic psychiatry, community psychiatric nursing and counselling. You may also pursue a career in nursing management, research or education. Former IT Tralee nursing students have worked across Europe and in America, Canada, Australia, Africa, Saudi Arabia and other middle-eastern countries.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Master of Science in Nursing (taught)
see page 123.

Masters or doctorate through research.
www.ittralee.ie/postgraduate



YEAR 1

Semester 1

Learning at Third Level
Professionalism in Nursing Practice
Health and Wellbeing
Skills For Safe Practice
Developing Competency in Mental Health Nursing Practice 1

YEAR 2

Semester 3

Principles of Mental Health Nursing Care 2
Compassion and Integrity in Caring
Introduction to Health Informatics
Fundamentals of Nursing Knowledge and Research
Developing Competency in Mental Health Nursing Practice 3

YEAR 3

Semester 5

Appreciative Reflective Inquiry
Developing Competency in Mental Health Nursing Practice 5

YEAR 4

Semester 7

Safety Quality Accountability
Principles of Nursing Care 5: Clinical Decision Making
Leadership and Management
Research for Evidence Based Nursing

Semester 2

Principles of Mental Health Nursing Care 1
Caring in Context
The Sociology and Psychology of Health and Illness
Developing Competency in Mental Health Nursing Practice 2

Semester 4

Principles of Mental Health Nursing Care 3
Health Promotion
Therapeutic Relationships and Interventions
Inter-Professional Education and Collaborative Practice
Developing Competency in Mental Health Nursing Practice 4

Semester 6

Principles for Nursing Care 4: Applied Pharmacology for Mental Health Nursing
Law and Ethics for Practice
Enabling Positive Ageing
Nursing Research Methodology
Psychotherapeutic Approaches and Recovery

Semester 8

Developing Competency in Mental Health Nursing Practice 6
Applied Nursing Research

NOTE: ALL MODULES ARE MANDATORY.

BACHELOR OF ARTS (HONOURS) IN COUNSELLING WITH ADDICTION

LEVEL 8

COURSE: BACHELOR OF ARTS (HONOURS) IN COUNSELLING WITH ADDICTION

Course Code:	TL889
Duration:	4 years
Apply to:	CAO (Restricted)
Number of places:	20
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Applicants must:

- Be over 23 years of age on the 1st of January on the year of entry.

AND

- Hold a Leaving Certificate or equivalent with a minimum of 2 x H5 and 4 x O6/H7.

OR

- Hold a full QQI (level 5) award with a minimum of 3 distinctions.

OR

- Have completed a recognition of prior learning (RPL) process with the college (see page 141 for details).

OTHER REQUIREMENTS

Vetting by An Garda Síochána is a mandatory requirement for this programme.

Recommendation from interview panel (score above threshold).

Mature applicants who do not have Leaving Certificate/ QQI level 5, or equivalent may also be required to attend a mature student assessment at IT Tralee.

WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Gerardina Harnett
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Counselling involves talking and listening to clients about their emotions, relationships, thought processes, patterns of behaviour or life events, such as bereavement, addiction, divorce, health issues or job concerns. Counsellors help clients to understand themselves better and find their own solutions to resolve or cope with their situation or issues. Counsellors play a crucial role in improving the health and wellbeing of people in society.

WHY STUDY COUNSELLING AT IT TRALEE?

This BA (Honours) in Counselling with Addiction is a collaborative programme between IT Tralee and Cuan Mhuire/ Galilee House of Studies. Cuan Mhuire is Ireland's 'largest multi-site provider of residential detoxification and treatment for those suffering from addiction.' (www.cuanmhuire.ie). Galilee House of Studies is an established provider of a higher education undergraduate diploma programme in counselling located in Athy, Co. Kildare. The programme will be delivered by a team of experienced practising addiction counsellors/psychotherapists and third level academic staff in Galilee House of Studies, Athy, Co. Kildare (Year 1 and Year 2) and IT Tralee, Co. Kerry (Year 3), with practice placement undertaken in Cuan Mhuire's residential centres or other relevant clinical sites across Ireland (Year 4). Students will have the opportunity to seek their own practice placement sites, however IT Tralee/Cuan Mhuire/Galilee House of Studies will ultimately be responsible for ensuring that all students secure an appropriate practice placement site.

WHAT ARE MY CAREER OPPORTUNITIES?

The purpose of this programme is to provide systematic training in counselling theory and practice at a level

that prepares participants to counsel in a variety of settings and to use various counselling approaches. Counselling and psychotherapy are growing and evolving professions in Ireland and internationally. Also, addiction in recent years is becoming an increasing problem in Ireland, with the Government pledging to increase funding in the area of mental health initiatives as part of the national counselling service. There are significant employment opportunities in the various specialised areas, such as addiction, victim support, marriage guidance, bereavement, substance abuse, homelessness, youth and community. Many counsellors work in private practice, private or public residential and non-residential youth and adult centres, schools, colleges, hospitals etc.

On completion of the programme, graduates will also be accredited with the Irish Association for Counselling and Psychotherapy (IACP), Addiction Counsellors of Ireland (ACI) and the National Association of Pastoral Counselling and Psychotherapy (NAPCP).

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 9/10

Masters (taught) - under development.
Postgraduate masters or doctorate through research.

Please note:

Students will be required to pay for personal supervision and counselling fees over the duration of the programme.

**YEAR 1****Semester 1**

Human Development: Content and Theory
 Personal Development: Process and Care 1
 Counselling Skills
 Theoretical Perspectives in Counselling and Psychotherapy
 Research and Academic Skills
 Reflective Practice

YEAR 2**Semester 3**

Human and Personal Development: Content and Theory
 Ethics and Professional Considerations in Counselling and Psychotherapy
 Advanced Addiction Counselling Skills
 Family/Systemic Psychotherapy: Theory & Skills
 Counselling and Psychotherapeutic Approaches to Addiction
 The Creative Arts and Therapy

YEAR 3**Semester 5**

Research Methods
 Psychodynamic Perspectives
 Motivational Interviewing
 Clinical Supervision

YEAR 4**Semester 7**

Practice Placement 2

Semester 2

Personal Development: Process and Care 2
 Advanced Counselling Skills
 Person Centred Approach to Counselling and Psychotherapy
 Bereavement, Loss and Grief
 Addiction Studies

Semester 4

Mindfulness Based Approaches
 Sexual Abuse and Trauma
 Family Therapy for Addiction:
 Systemic Perspectives in Counselling
 Clients and their Families
 Contemporary Issues in Group Process
 and Group Facilitation
 Practice Placement 1

Semester 6

Dissertation
 Advanced Addiction Studies

Semester 8

Practice Placement 2

NOTE: ALL MODULES ARE MANDATORY.

DEPARTMENT OF HEALTH AND LEISURE STUDIES

HEAD OF DEPARTMENT

Dr. Michael Hall

Philosophy of the Health and Leisure Programmes:

The Health and Leisure Department was formally established in 1993. The philosophy underpinning the Health and Leisure programmes is one which promotes positive health, wellbeing and physical flourishing. The programmes adopt a holistic interdisciplinary perspective focusing on the lifelong physical, mental, social and cognitive health of all citizens. Physical activity plays a key role in the wellbeing, holistic health and the empowerment of citizens and, as such, we believe the opportunity to participate in physical activity should be regarded as a human right.

Health and Leisure Studies and Health & Leisure with Massage programmes:

The taught programmes of study delivered by the Department of Health and Leisure are designed to enable graduates to engage effectively with the health, fitness and leisure sector as well-qualified professionals at bachelor of science ordinary degree, honours degree and masters degree levels. The programmes consist of a mix of applied theory and practice. A 12-week placement in third year forms part of the ordinary and honours degree programmes TL771, TL871, TL772 and TL872, while the completion of a research project and thesis is part of the honours degree programmes TL871 and TL872.

Years 1&2: Throughout years one and two, all students complete core modules in Exercise Science, Activity Leadership, Health Studies, Physical Education and Professional Practice, plus one specialist area of study: Health and Leisure students (TL771 and TL871) will choose their specialist area of study from education in aquatics and outdoor and experiential learning; Massage students (TL772 and TL872) pursue massage theory and practice as their specialist area.

Year 3: For year three, most TL771 and TL871 students continue on the general Health and Leisure stream while some choose to specialise in physical education or adapted physical activity from the end of year two.

Year 4: Students taking the 4-year TL871 programme and those who choose Physical Education and Adapted Physical Activity at the end of year two can continue their chosen specialism for a further year to honours degree level. TL871 students taking the general Health and Leisure stream in year three choose from three thematic areas of study for their fourth year of study. The options are Health and Wellbeing, Sports Development, or Athletic Performance.

It is important to emphasise that all the specialisms share core knowledge and skills, which allow every graduate, regardless of their specialist stream, to have broad knowledge and skills so that they may work thought many disciplines in the health, fitness and leisure sector.

Further Study: Students on the 3-year TL771 and TL772 programmes can apply for the one-year, add-on Level 8 Bachelor of Science (Honours) in Health and Leisure with their chosen specialism. Graduates of level 8 programmes may be eligible to progress to postgraduate programmes in relevant discipline areas.

The Health and Leisure programmes are very interactive and require full attendance. The programmes are delivered in lecture halls, smaller classrooms, the performance evaluation laboratory, aerobics studios, the gym, swimming pool, local schools and in the beautiful Kerry countryside.

WHO DO I GO TO FOR FURTHER INFORMATION?

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www.ittralee.ie/healthandleisuredept

What our graduates say about us:

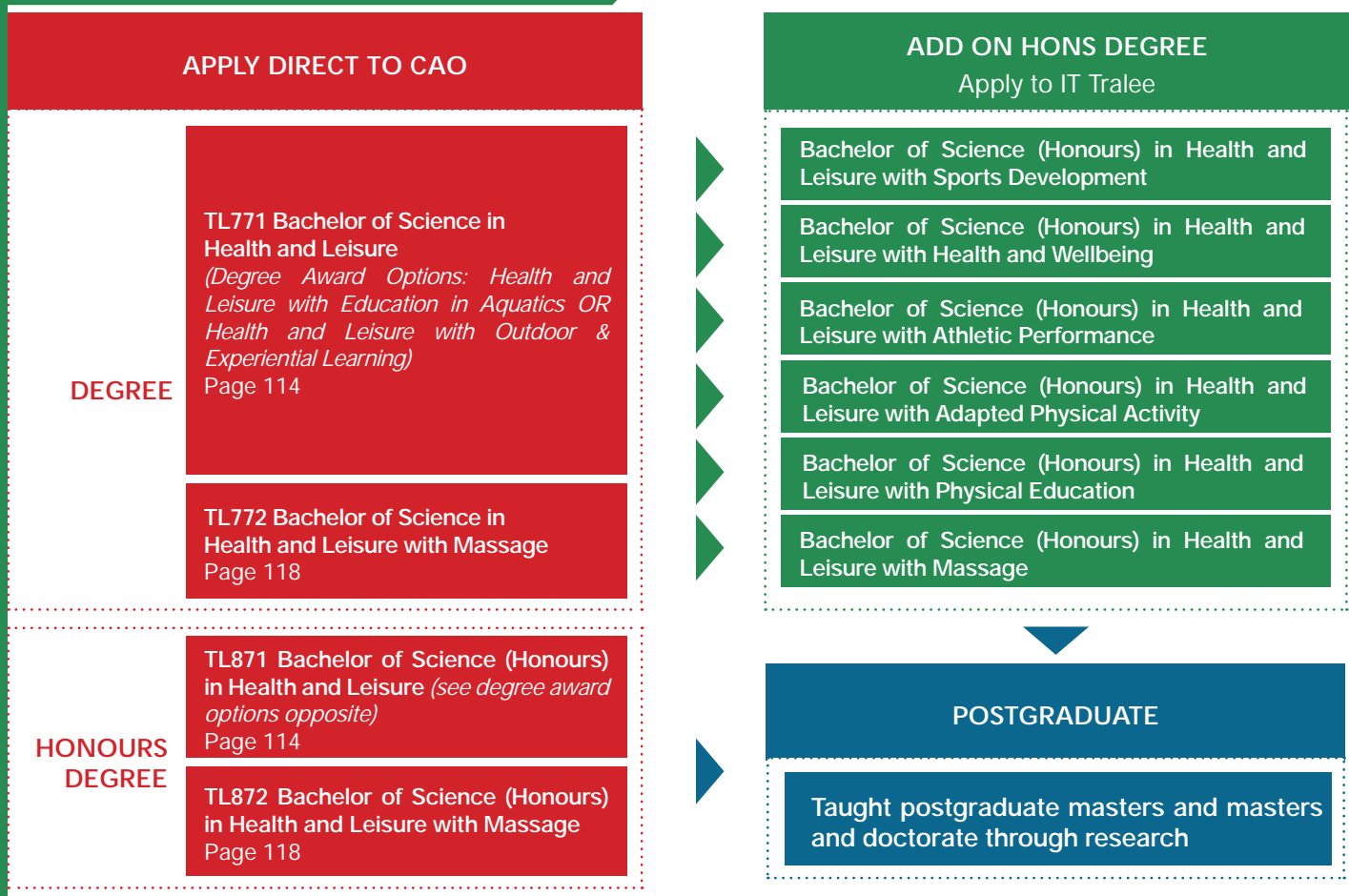
'I graduated from the BSc (Hons) in Health and Leisure with Massage in 2013. I chose Health and Leisure with Massage in IT Tralee because of the broad range of modules and qualifications that you can achieve. Not only did the course concentrate on massage therapy as our main specialism but we also gained competence in; gym instruction, aerobics and body conditioning instruction, health promotion, adapted physical activity and facilitation of older adult physical activity, along with many more skills.

In the course you learn a lot about how to interact with people through instructing classes and meeting clients for massage sessions. The course is also based around wellness education and working with clients throughout the four years. Health and Leisure with massage allowed me to develop my communication and social skills. The course also offers a great in-house work experience, where you learn how to work with new clients, gather their information and apply it to a massage session.

My experience was enhanced due to the approachability of lecturers. Lecturers will help you through any problems you may have and point you in the right direction. I now work in the health and wellness industry specialising in sports related injury massage (using remedial and orthopaedic techniques) combining it with deep tissue massage and I owe it to the experiences I was given in the Institute of Technology Tralee. '

Martina O'Brien - Massage Therapist

COURSE PROGRESSION CHART



BACHELOR OF SCIENCE IN HEALTH AND LEISURE LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN HEALTH AND LEISURE LEVEL 8

COURSE: BACHELOR OF SCIENCE IN HEALTH AND LEISURE

Course Code:	TL771
Duration:	3 years
Apply to:	CAO
Number of places:	55
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN HEALTH AND LEISURE

Course Code:	TL871
Duration:	4 years
Apply to:	CAO
Number of places:	35
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Because both the Level 7 and Level 8 courses involve vigorous physical activity, eligible candidates will need medical clearance. First year students are assessed shortly after registration for their swimming ability. Swim ability is a criterion used to determine suitability for the Education in Aquatics stream.

Please also note that if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and / or to progress. Garda vetting is also mandatory. See Page 143 for further information.

WHO DO I CONTACT FOR MORE INFORMATION?

WHO DO I CONTACT FOR FURTHER INFORMATION?

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www.ittralee.ie/TL771
www.ittralee.ie/TL871

These programmes provide you with the skills to launch an exciting career as a professional in the health, fitness and leisure sectors.

They involve the study of six major subject areas, five of which are common to all students: Exercise Science, Health Studies, Activity Leadership, Physical Education and Professional Practice. For the sixth subject area, students study either 'Education in Aquatics' or 'Outdoor and Experiential Learning'. The Level 7 degree award title will reflect this sixth subject area.

All course material is delivered through a mix of applied theory and practice. At the end of second year, students enter the Physical Education, Adapted Physical Activity or General Health and Leisure streams which allows students to begin specialise in specific topics in third year or continue to take the general health and leisure programme. There is also a 12-week work placement in third year, which can be completed with a local, national or international service provider.

Students on the Level 8 programme, who have not already opted to specialise in either Physical Education or Adapted Physical Activity, progress to fourth year in one of three specialisms. These are: Health and Wellbeing, Sports Development or Athletic Performance. Each of these specialisms includes a major independent study or research project which the students must undertake during fourth year. Level 8 students graduate with a degree award title which reflects the specialism they took in fourth year. For more information please see our website www.ittralee.ie. Full attendance at all programme activities is expected. A minimum attendance regulation applies. For more programme information please see our website www.ittralee.ie

Degree Award Options Level 7:

- Health and Leisure with Education in Aquatics
- Health and Leisure with Outdoor & Experiential Learning

Degree Award Options Level 8:

- Athletic Performance
- Adapted Physical Activity
- Health and Wellbeing
- Physical Education
- Sports Development

WHY STUDY HEALTH AND LEISURE AT IT TRALEE?

Our undergraduate Health and Leisure Studies programmes have been offered through the CAO for over twenty years. Throughout that time, we have continued to be innovative in our approach to teaching and learning, ensuring the programme content will equip students with the breadth of knowledge, skills and competency to perform at the highest levels. Graduates will have a bachelor of science degree and a variety of discipline-specific professional (various health-related, exercise professional-related and aquatics or outdoor education) certifications. Students are expected to become sufficiently competent practitioners to become eligible for professional fitness instructor registration in group exercise, gym instruction and personal training.

WHAT ARE MY CAREER OPPORTUNITIES?

Graduates enjoy a rich variety of employment opportunities. They work in health and leisure centres, in health promotion units, in spa/wellness centres, in coaching and team sport settings, in performance training, exercise programming, hotels, mainstream and special-needs schools, community centres, disability service providers, clinical settings, in the private/entrepreneurial area, in local sports partnerships and governing bodies of sport, in swimming pools and in the great outdoors.

ADAPTED PHYSICAL ACTIVITY

specialism graduates are health and leisure professionals with a specialist knowledge and experience in working with people with disabilities. They work in health and leisure centres, in sports camps, in health promotion, in mainstream and special needs schools, in community centres, in clinical settings, in residential and day care services and outdoor education centres.



PHYSICAL EDUCATION specialism graduates work within the school environment, and also in youth work, adult education and broader community sport and leisure settings. They take on coaching roles in leisure facilities and run coaching courses for communities, schools, colleges and teams. This programme also provides an alternative pathway into a second level physical education qualification.

HEALTH AND WELLBEING specialism graduates work where physical activity, recreation and sport are used to enhance wellbeing. Their studies are especially relevant to employment settings which demand a focus on health and health promotion through physical activity, recreation and sport. These include: the HSE as health promotion officers, spa/wellness centres as wellness leaders within gyms, spas and studios, positive youth development workers, therapeutic recreation coaches, well-being coaches and disability service providers.

SPORTS DEVELOPMENT specialism graduates focus on advancing sport in society. Their studies enable them to plan, research, implement and evaluate sports development policy, programmes and practices to facilitate physical activity provision throughout the stages of life. This might include addressing particular groups which may not have equity of access to physical activity, sport and recreational opportunities. For example: older adult populations, females, ethnic minorities and those with special needs.

ATHLETIC PERFORMANCE specialism graduates work as strength and conditioning specialists, fitness conditioning consultants, fitness and leisure operational managers, commercial group exercise leaders, personal trainers, group exercise leaders, gym instructors/supervisors and as fitness and programming professionals for teams/athletes.

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

BSc (Honours) in Health & Leisure with Health & Wellbeing (+1 Year)

BSc (Honours) in Health & Leisure with Sports Development (+1 Year)

BSc (Honours) in Health & Leisure with Athletic Performance (+1 Year)

BSc (Honours) in Health & Leisure with Physical Education (+1 Year)

BSc (Honours) in Health & Leisure with Adapted Physical Activity (+1 Year)

For level 7 graduates

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates.

Postgraduate masters (taught) see Page 124.

www.ittralee.ie/postgraduate

BACHELOR OF SCIENCE IN HEALTH AND LEISURE LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN HEALTH AND LEISURE LEVEL 8

COURSE OUTLINE

YEAR 1 - COMMON TO ALL AREAS

Semester 1

Exercise Science - Human Anatomy and Physiology 1
Health Studies: Lifestyle and Health
Activity Leadership 1
Learning at Third Level
Physical Education: Movement Studies

YEAR 2 - COMMON TO ALL AREAS

Semester 3

Exercise Science: Exercise Physiology
Activity Leadership 3
Leisure Marketing
Sports Development
Health Studies: Lifestyle Programmes

Semester 2

Exercise Science - Human Anatomy and Physiology 2
Health Studies: Health and Leisure Context
Activity Leadership 2
Exercise Science: Sports Psychology and Motor Learning
Physical Education: Applied Movement Studies

Semester 4

Exercise Science: Posture Cultivation
Health Studies: Population Health
Activity Leadership 4
Adapted Physical Activity: Disability Studies

STUDENTS NOT PURSUING PE OR APA

YEAR 3

Semester 5

Exercise Science: Kinesiology and Exercise Programming
Health Studies: Introduction to Psychology, Philosophy and Sociology of Health
Activity Leadership 5
Youth Development Studies
Research Methods: Qualitative and Quantitative

Semester 6

Work Placement Practice
Work Placement Portfolio
Human Resource Development
Activity Leadership 6

PHYSICAL EDUCATION (PE) SPECIALISM

YEAR 3

Semester 5

PE Curricular Studies: Games (Net, Strike & Fielding)
Inclusive Physical Education
Activity Leadership 5
Research Methods: Qualitative and Quantitative

Semester 6

Health Education: Introduction to Social Personal and Health Education
PE Curricular Studies: Invasion Games
History and Philosophy of Physical Education
Activity Leadership 6
PE Pedagogical Studies
PE Curricular Studies: Aquatics, Outdoor Education and Musical Theatre

ADAPTED PHYSICAL ACTIVITY (APA) SPECIALISM

YEAR 3

Semester 5

Exercise Science: Kinesiology and Exercise Programming
Inclusive Physical Education
Activity Leadership 5
Youth Development Studies
Research Methods: Qualitative and Quantitative
Dance, Rhythm and Percussion

Semester 6

Work Placement Practice
Work Placement Portfolio
Human Resource Development
Activity Leadership 6
Education in Aquatics 6

PHYSICAL EDUCATION (PE) SPECIALISM**YEAR 4****Semester 7**

Research Project 1
 Adult Learning and Reflective Practice
 PE Curricular Studies: Gymnastics
 Health Education: Facilitating Emotional and Mental Health Education
 Sports Development: Sport in Society

Semester 8

Research Project 2
 PE Curricular Studies: Athletics
 PE Teaching Practice
 PE Curricular Studies: Contemporary/Folk Dance in Education

ADAPTED PHYSICAL ACTIVITY (APA) SPECIALISM**YEAR 4****Semester 7**

Research Project 1
 Adult Learning and Reflective Practice
 Adapted Adventure Education
 Disability Studies and International Practice
 Aquatic Exercise Therapy Introduction
 Community Development Studies

Semester 8

Research Project 2
 Professional Practice
 Applied Therapeutic Relationship
 Exercise Referral
 Aquatic Rehabilitation

ATHLETIC PERFORMANCE SPECIALISM**YEAR 4****Semester 7**

Research Project 1
 Management of Elite Sports Development
 Advanced Performance Training
 Performance Nutrition
 Exercise Science: Applied Physiological Methods

Semester 8

Research Project 2
 Health Studies: Behaviour Change Interventions
 Applied Sports Psychology
 Exercise Referral
 Sport Management and Development

HEALTH AND WELLBEING SPECIALISM**YEAR 4****Semester 7**

Research Project 1
 Adult Learning and Reflective Practice
 Health Studies: Wellbeing Science
 Health Education: Facilitating Emotional and Mental Health Education
 Community Development Studies

Semester 8

Research Project 2
 Health Studies: Behaviour Change Interventions
 Community Leadership Initiative
 Exercise Referral
 Wellness Industry

SPORTS DEVELOPMENT SPECIALISM**YEAR 4****Semester 7**

Research Project 1
 Adult Learning and Reflective Practice
 Community Leadership Initiative
 Community Development Studies
 Sports Development: Sport in Society

Semester 8

Research Project 2
 Health and Leisure Finance
 Recreation Planning and Design
 Applied Sports Psychology
 Sport Management and Development

NOTE: As well as the modules listed you will study a number of elective modules.
 Elective modules information can be found at www.ittralee.ie/TL871.
 Electives are offered subject to demand and resources.

BACHELOR OF SCIENCE IN HEALTH AND LEISURE WITH MASSAGE

LEVEL 7

BACHELOR OF SCIENCE (HONOURS) IN HEALTH AND LEISURE WITH MASSAGE

LEVEL 8

COURSE: BACHELOR OF SCIENCE IN HEALTH AND LEISURE WITH MASSAGE

Course Code:	TL772
Duration:	3 years
Apply to:	CAO
Number of places:	10
NFQ Level:	7

COURSE: BACHELOR OF SCIENCE (HONOURS) IN HEALTH AND LEISURE WITH MASSAGE

Course Code:	TL872
Duration:	4 years
Apply to:	CAO
Number of places:	10
NFQ Level:	8

MINIMUM ENTRY REQUIREMENTS

Leaving Certificate:	see page 128
Specific QQI awards:	see page 136
Mature applicants:	see page 134
Special category applicants:	see page 136

OTHER REQUIREMENTS

Because both the Level 7 and Level 8 courses involve vigorous physical activity, eligible candidates will need medical clearance. Garda vetting is also mandatory.

Please also note that if you sustain injuries that impact your physical engagement with the programme, this may affect your ability to continue on the programme and / or to progress.

WHO DO I CONTACT FOR MORE INFORMATION?

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www.ittralee.ie/TL772
www.ittralee.ie/TL872

These programmes provide you the opportunity to develop your knowledge and professional skills in preparation for an exciting career in the health, fitness and leisure sector – and as a massage therapist. Full attendance at all programme activities is expected. A minimum attendance regulation applies.

For more programme information please see our website www.ittralee.ie

The programmes consist of applied, active training programmes (massage casework, aquatic therapy, aquatic rehabilitation, posture cultivation, functional assessment, fitness testing) and the theoretical foundations underpinning the promotion of wellness (wellbeing science, behaviour change, exercise referral) and optimal body function through massage/body work.

WHY STUDY HEALTH AND LEISURE WITH MASSAGE AT IT TRALEE?

These programmes emphasise community engagement, relevant massage practice, wellness education and the importance of a broad skill set. As they progress, you can expect to become confident in your professional skills, your life skills and in communicating the theoretical basis for concepts in health and leisure. Graduates will have a bachelor of science degree, massage therapist registration and may also be eligible for professional fitness instructor registration in group exercise, gym instruction and personal training.

WHAT ARE MY CAREER OPPORTUNITIES?

On graduation, you will be a health and fitness professional, a wellness educator with a specialist knowledge and practice in massage therapy. You will be equipped to work in a variety of settings, including health and leisure centres, health promotion, spa/wellness centres, hotels, mainstream and special-needs schools, community centres, clinical settings, workplaces and in the private/entrepreneurial area being competent to specialise in hands on relaxation and clinical massage techniques, aquatic therapy, activity leadership, remedial and orthopaedic massage. Graduates can take up employment opportunities in the areas of sports development/coaching, sports massage and rehabilitation, health and wellbeing promotion, in the area of physical education with young and older adult groups and in adapted physical activity education

WHAT FURTHER STUDY OPTIONS ARE OPEN TO ME?

LEVEL 8

BSc (Honours) in Health & Leisure with Massage (+1 Year for level 7 graduates)

LEVEL 9/10

Postgraduate masters or doctorate through research for level 8 graduates. Postgraduate masters (taught) see page 124.

www.ittralee.ie/postgraduate

**YEAR 1****Semester 1**

Exercise Science - Human Anatomy and Physiology 1
 Health Studies: Lifestyle and Health
 Activity Leadership 1
 Learning at Third Level
 Physical Education: Movement Studies
 Massage Setting and Strokes

YEAR 2**Semester 3**

Exercise Science: Exercise Physiology
 Leisure Marketing
 Activity Leadership 3
 The Therapeutic Relationship
 Health Studies: Lifestyle Programmes
 Massage Screening & Treatments

YEAR 3**Semester 5**

Exercise Science: Kinesiology and Exercise Programming
 Health Studies: Introduction to Psychology, Philosophy and Sociology of Health
 Activity Leadership 5
 Youth Development Studies
 Research Methods: Qualitative and Quantitative
 Case Work: Therapeutic

YEAR 4 (TL872 only)**Semester 7**

Research Project 1
 Adult Learning and Reflective Practice
 Health Studies: Wellbeing Science
 Clinical Massage
 Aquatic Exercise Therapy Introduction

Semester 2

Exercise Science - Human Anatomy and Physiology 2
 Health Studies: Health and Leisure Context
 Activity Leadership 2
 Pathology and Massage Theory
 Physical Education: Applied Movement Studies
 Therapeutic and Remedial Massage

Semester 4

Exercise Science: Posture Cultivation
 Health Studies: Population Health
 Evidence Base of Practice and Neurology
 Adapted Physical Activity: Disability Studies
 Massage: Treatments and Aftercare

Semester 6

Work Placement Practice
 Work Placement Portfolio
 Human Resource Development
 Activity Leadership 6
 Education in Aquatics 6

Semester 8

Research Project 2
 Health Studies: Behaviour Change Interventions
 Case Work
 Exercise Referral
 Wellness Industry
 Aquatic Rehabilitation

NOTE: As well as the modules listed you will study a number of elective modules.
 Elective modules information can be found at www.ittralee.ie/TL872.
 Electives are offered subject to demand and resources.

POSTGRADUATE PROGRAMMES

TAUGHT POSTGRADUATE PROGRAMMES

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Higher Diploma in Science in Applied Computing	125

For details on how to apply for any of these programmes contact:

Admissions Office

T: +353 (0)66 7145638

E: admissions@ittralee.ie

F: +353 (0)66 712 5711

In addition to the programmes listed above, IT Tralee also offers a range of postgraduate certificate and diploma awards on a part-time basis, details of which are available from:

Lifelong Learning Office

T: +353 (0)66 719 1701

E: lifelonglearning@ittralee.ie

F: +353 (0)66 719 1724

Specific entry requirements apply to postgraduate programmes and are specified under each programme on the following pages. The Institute's policy in relation to non-standard applicants also applies, see page 141 (RPL).

The Perks of Studying at IT Tralee

Perk **No. 4** Community

You're not just
a number.

One of the best student to staff
ratios in the country.

MASTER OF ARTS IN SOCIAL STUDIES - ADVANCED PROFESSIONAL PRACTICE

LEVEL 9

COURSE: MASTER OF ARTS IN SOCIAL STUDIES - ADVANCED PROFESSIONAL PRACTICE

Duration:	2 years
Apply to:	IT Tralee
Number of places:	10
NFQ Level:	9

ENTRY REQUIREMENTS

Applicants are required to have a minimum of a 2:2 Honours Bachelor Degree (level 8). Ideally the primary degree should be in Health Care, Social Studies, Education, Early Childhood, Youth and Community Practice or a similarly practice-based discipline or equivalent professional qualifications.

NOTE: Overseas candidates who have not studied their degree through English are required to achieve a TOEFL score of at least 550 or IELTS score of at least 6.0.

WHO DO I CONTACT FOR MORE INFORMATION?

Dr. Colm O'Doherty
Department of Social Sciences
E: colm.odoherty@staff.ittralee.ie
T: +353 (0)66 71 91833
Dr. Tom Farrelly
Department of Social Sciences
E: tom.farrelly@staff.ittralee.ie
T: +353 (0)66 71 91955
www.ittralee.ie/postgraduate

This programme is tailored to meet the needs of graduates from a wide variety of backgrounds who wish to continue their professional development. Addressing today's most pressing social challenges demands an ability to understand how research, policy and practice are critically important in shaping efficient and effective work based activities. The aim of the masters is to develop a critical practice path that is relevant and significant for graduates already working across care, education, health, welfare and related areas and new graduates who wish to further develop their skills prior to embarking on a career in their chosen field.

HOW IS THE PROGRAMME DELIVERED?

Students will learn through a combination of:

- interaction and exchange of experiences and perspectives with a diverse peer group. A learning community, in which participants enlighten, challenge and motivate each other;
- students will work with staff whose role is to stimulate learning, facilitate, challenge and question as well as provide specialist knowledge;
- inputs from practitioners with national and international experience;
- learning activities and assessments that require participants to reflect on their own practice and experiment with new approaches;
- learning activities and assessments that enable the participant to analyse and evaluate their own organisations and to compare and contrast with best practice elsewhere;
- live organisational projects to provide a realism that prepares participants for acting in a context

characterised by complexity, continuous change and uncertainty;

- group working that promotes learning about diversity and the interactive attributes of communication, interpersonal and teamworking skills;
- a range of teaching and learning methods, catering for different learning styles;
- use of e-learning tools to facilitate blended learning.

MASTER OF SCIENCE IN NURSING LEVEL 9

COURSE: MASTER OF SCIENCE IN NURSING

Duration:	1 year full-time or 2 years part-time
Apply to:	IT Tralee
Number of places:	30
NFQ Level:	9

ENTRY REQUIREMENTS

Registration as a nurse with Bord Altranais agus Cnáimhseachais na hÉireann. BSc (Hons) or equivalent NFQ Level 8 qualification in nursing or cognate discipline at 2nd class honours award level.

WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Gerardina Harnett
Head of Department of Nursing and Health Care Sciences
T: +353 (0)66 719 1695
E: nursing@ittralee.ie
www.ittralee.ie/postgraduate

The MSc in Nursing is constructed within the context of health, nursing and educational policy developments. These are congruent with the health based strategies of the Department of Health, with the professional based strategies of Bord Altranais agus Cnáimhseachais na hÉireann, the previous National Council for the Professional Development of Nursing and Midwifery, the educational based strategies of Quality and Qualification Ireland. The programme facilitates professional planning and leadership for participants within clinical practice, within management, research and/or education.

WHAT DOES THE PROGRAMME AIM TO ACHIEVE?

The aim of this MSc in Nursing is to develop postgraduates with an advanced level of theoretical knowledge, leadership and research skills in nursing. These skills will enable learners to become leaders in their designated fields of healthcare. The programme aims to enable graduates to provide expert knowledge in shaping current and future changes in nursing and health care services.

HOW IS THE PROGRAMME DELIVERED?

Delivery of the programme includes a blend of keynote lectures, learner led seminars, self-directed independent learning and interactive learning. Nurse participants will learn with, from and about other professionals through shared modules.

WHAT FACILITIES ARE AVAILABLE?

All relevant Institute facilities are available together with the purpose built Sólás building which has excellent discussion and lecture rooms, practical skills suites, interpersonal skills, and computing laboratories. Blackboard and Facebook discussion boards and

web-based reusable learning objects contribute to evolving and dynamic teaching and learning facilities at the Institute. A wide range of library facilities and database access provide the information resources for successful course completion.

WHAT ARE MY CAREER OPPORTUNITIES?

Some of our successful master graduates are practising in senior roles in specialist fields of health care management and education.

PROGRESSION OPPORTUNITIES

Nursing and associated discipline doctoral study.

www.ittralee.ie/postgraduate

MASTER OF SCIENCE IN ADAPTED PHYSICAL ACTIVITY LEADERSHIP

LEVEL 9

COURSE: MASTER OF SCIENCE IN ADAPTED PHYSICAL ACTIVITY LEADERSHIP

Duration:	1 year
Apply to:	IT Tralee
Number of places:	12
NFQ Level:	9

ENTRY REQUIREMENTS

Applicants to the MSc in Adapted Physical Activity Leadership and its embedded awards must meet the following minimum entry requirements:

- Bachelor (honours degree) 2:2 or higher in physical education, health and leisure, sports science, physiotherapy or related fields;
- The applicant's undergraduate programme must include attainment in the discipline areas of anatomy, physiology and adapted physical activity;
- Sufficient conversational and written English language skills - an IELTS requirement of 6.5;
- There are additional prerequisite knowledge requirements for some of the elective choices. Please see www.ittralee.ie/postgraduate for more information on entry requirements.

WHO DO I CONTACT FOR MORE INFORMATION?

Dr. Michael Hall
Head of Department of Health and Leisure Studies
T: +353 (0)66 714 4168
E: michael.hall@staff.ittralee.ie
www.ittralee.ie/MSCinAPA

The MSc in Adapted Physical Activity Leadership (APAL) has been developed to respond to an increase in demand for highly skilled professionals who can take a leadership role in developing this emerging discipline and become transformational leaders ensuring universal access to physical activity. This aim echoes the long held vision of the APA movement and is in line with the aim of the United Nations (UN) convention on the rights of persons with disabilities (2006) - ensuring the equal rights of persons with disabilities.

The taught level 9 programme has been developed in line with the European Standards in Adapted Physical Activity (2010) and builds on the strong health and leisure undergraduate honours degree programmes. The overall aim of this masters degree is to develop an opportunity for professionals and graduates in the areas of health, education, care and leisure to develop their capacity to ensure universal access to physical activity programmes.

WHY STUDY ADAPTED PHYSICAL ACTIVITY LEADERSHIP AT IT TRALEE?

The Health and Leisure Department at the Institute of Technology Tralee and its associated programmes have a local, national and international reputation for excellence and innovation. The location of the CARA National APA Centre at IT Tralee is testament to the lead role of the Institute in the field nationally. Internationally IT Tralee has led and participated in a number of European projects aimed at advancing the discipline. IT Tralee's expertise in the area coupled with their work in improving standards and opportunities in Ireland and abroad was recognised by the United Nations Educational, Scientific and Cultural Organisation (UNESCO) when they awarded the UNESCO Chair in 'Transforming the

lives of people with disabilities, their families and communities, through Physical Education, Sport, Fitness and Recreation in January 2013.

This award recognises IT Tralee's expertise in the area coupled with their work in improving standards and opportunities in Ireland and abroad. Internationally IT Tralee has working relationships with universities, authors and organisations at the forefront of the field such as Claudine Sherrill, Lauren Lieberman, Martin Block, Martin Kudlacek, Peter Downs and James Rimmer. The location of the CARA National APA Centre at IT Tralee and the close working relationship on projects such as Campabilities is testament to the lead role of IT Tralee in the field nationally. Locally, the undergraduate BSc in Health and Leisure links with disability service providers and health professionals to deliver an extensive programme to over 250 people with disabilities each year.

PROGRESSION OPPORTUNITIES LEVEL 10

PhD through research.
www.ittralee.ie/postgraduate

HIGHER DIPLOMA IN SCIENCE IN APPLIED COMPUTING LEVEL 8

COURSE: MASTER OF SCIENCE IN NURSING

Duration:	18 months
Apply to:	IT Tralee
Number of places:	30
NFQ Level:	8

ENTRY REQUIREMENTS

Applications will be considered from prospective students who have an honours degree (level 8) qualification in a technical, mathematical or problem solving discipline. Applicants will be called for interview as part of the application process. The Institute's policy in relation to non-standard applicants also applies (see page 141).

WHO DO I CONTACT FOR MORE INFORMATION?

Ms. Brigid Crowley
Head of Department of Computing
T: +353 (0)66 719 1717
www.ittralee.ie/postgraduate

The Higher Diploma in Science in Applied Computing aims to provide a career route into the IT sector for graduates whose primary degree is in a discipline other than computing. The Institute of Technology Tralee recognises the need to provide continuing professional development opportunities for graduates in the region. A skills gap in the knowledge economy has been identified and this programme represents an instantaneous response to market conditions for graduates at this time. The programme has been devised to meet the current needs of the ICT sector for graduates of cognate disciplines that require a conversion programme to allow them graduate entry level to the ICT sector. This course will provide the non-IT graduate with core skills in the area of software development, networks, web design and databases.

HOW IS THE PROGRAMME DELIVERED?

This course may be delivered on a full-time basis and consists of a combination of lectures, practicals, tutorials, projects, presentations and speakers from industry. Students have access to state-of-the-art computer laboratories including specialist labs for multimedia, network administration, computer architecture and software development. The Institute has a purpose built digital editing suite which allows students to edit video and sound files they have created in their project work. All computing students have access to e-learning systems (Blackboard). The computing department at the Institute is amongst the leaders in the higher education sector in Ireland in the use of e-learning in its courses. The programme is comprised of two taught semesters followed by one semester in industry placement with a technology enterprise.

PROGRESSION OPPORTUNITIES

Graduates of the programme will be qualified to enter either of the department's MSc programmes as follows:

- MSc in Computing;
- MSc in Instructional Design and Technology.

FULL OR PART-TIME POSTGRADUATE RESEARCH LEADING TO MASTERS OR PHD DEGREE

IT Tralee has successfully built a strong research capability with a distinctive multidisciplinary approach that has earned the Institute an international reputation. The Institute has prioritised research themes which focus on the creation and dissemination of new knowledge in areas of significant economic and social impact. Our research successes to date are attributed to the talents and efforts of our dynamic research community and the strengths of their collaborations and alliances with leading international universities, research institutes, and industrial and societal partners.

Linked to our three schools, IT Tralee has developed three research centres of scale whose missions align with national (NRPE Ireland, Forfás 2011) and global (European Commission Horizon2020 and UNESCO Chair research) research and innovation priorities: Shannon Applied Biotechnology Centre (Shannon ABC) and the IMaR Research Centre (both co-funded under the Enterprise Ireland Technology Gateway programme), and the UNESCO Chair research in the area of 'Transforming the Lives of People with Disabilities, their Families and Communities, through Physical Education, Sport, Recreation and Fitness'.

In addition, across our three schools, a number of research groups exist (e.g. the Centre for Entrepreneurship and Enterprise Development (CEED) and the Irish Academy of Hospitality and Tourism (IAHT)) and new research groups and alliances are emerging where staff are working jointly together across departments and schools and developing advanced competencies in multidisciplinary areas of research.

SUBJECT AREAS AVAILABLE FOR A POSTGRADUATE RESEARCH DEGREE ARE USUALLY DETERMINED BY THE CURRENT RESEARCH ACTIVITIES OF THE PARTICULAR SCHOOL OR DEPARTMENT. IF YOU ARE INTERESTED IN PURSUING FURTHER STUDY, PLEASE CONTACT THE RELEVANT HEAD OF DEPARTMENT OR THE HEAD OF RESEARCH FOR FURTHER INFORMATION:

Dr. Siobhan McSweeney	Head of Research	siobhan.mcsweeney@staff.ittralee.ie
Ms. Mary Rose Stafford	Head of Department of Hotel, Culinary Arts and Tourism	mary.rose.stafford@staff.ittralee.ie
Ms. Brigid Crowley	Head of Departments of Creative Media and Information Technology and Computing	brigid.crowley@staff.ittralee.ie
Mr. Ray O'Connor Desmond	Head of Department of Business	ray.oconnordesmond@staff.ittralee.ie
Dr. Patrick Carney	Head of Department of Technology, Engineering and Mathematics	patrick.carney@staff.ittralee.ie
Dr. Noel Mulligan	Head of Department of Biological and Pharmaceutical Sciences	noel.mulligan@staff.ittralee.ie
Ms. Aisling Sharkey	Head of Department of Social Sciences	aisling.sharkey@staff.ittralee.ie
Ms. Gerardina Harnett	Head of Department of Nursing and Health Care Sciences	gerardina.harnett@staff.ittralee.ie
Dr. Michael Hall	Head of Department of Health and Leisure Studies	michael.hall@staff.ittralee.ie

The Perks of Studying at IT Tralee

Perk **5** No. **5** Quality

A world class
education.

93% of graduates would recommend
IT Tralee to family and friends.

GENERAL ADMISSION REQUIREMENTS 2018-2019

ACADEMIC YEAR 2018/19

Applicants must be 16 years of age or over on 1st January of the year of entry to the course. Applicants for first year admission to IT Tralee must satisfy the relevant minimum entry requirements for their category of application:

1. **Leaving Certificate or equivalent examination applicant;**
2. **Mature applicant;**
3. **Special category applicant.**

LEAVING CERTIFICATE OR EQUIVALENT EXAMINATION APPLICANT

HIGHER CERTIFICATE (NFQ LEVEL 6)

Applicants must achieve a pass in the Leaving Certificate or equivalent examinations, obtaining a minimum grade O6/H7 in English or Gaeilge, O6/H7 in mathematics or a minimum grade of F2 in foundation level mathematics (in specified courses) and O6/H7 in three other subjects.

PLEASE NOTE:

Foundation level mathematics meets the minimum entry criteria for the following programmes only in the Level 6 Higher Certificate category :

TL605 Higher Certificate in Business Information Management

Note: Maths is not a requirement for the following programmes where the minimum leaving certificate requirement is five leaving certificate O6/H7s or an equivalent qualification (English is a mandatory requirement):

- TL620 Higher Certificate in Arts in Culinary Arts;
- TL621 Higher Certificate in Arts in Hotel Operations.

DEGREE (NFQ LEVEL 7)

- Applicants must achieve a pass in the Leaving Certificate or equivalent examinations, obtaining a minimum grade O6/H7 in English or Gaeilge, O6/H7 in mathematics or a minimum grade of F2 in foundation level mathematics (in specified courses) and O6/H7 in three other subjects.

PLEASE NOTE:

- A minimum grade of F2 in foundation level mathematics fulfils the minimum entry requirements in mathematics for the following programmes:
- TL731 Bachelor of Business;
- TL781 Bachelor of Arts in Social Care;
- TL780 Bachelor of Arts in Early Childhood Care and Education.

HONOURS DEGREE (NFQ LEVEL 8)

Applicants must achieve a pass in the Leaving Certificate or equivalent examinations obtaining two H5 and four O6/H7 grades. Candidates are required to obtain a minimum of O6/H7 in English or Gaeilge and mathematics.

PLEASE NOTE: that a minimum grade of F2 in foundation level mathematics fulfils the minimum entry requirements in mathematics for the following programmes:

- TL831 Bachelor of Business (Honours);
- TL881 Bachelor of Arts (Honours) in Social Care;
- TL880 Bachelor of Arts (Honours) in Early Childhood Care and Education.

BLIAIN ACADÚIL 2017/2018

Ní mór d'iaratasóirí a bheith 16 bhliana d'aois nó níos mó ar an 1 Eanáir den bhliain ina gcuireann siad tús le cúrsa. Ní mór d'iaratasóirí ar iontráil sa chéad bhliain in IT Trá Lí na riachtanais iontrála íosta a bhaineann leis an gcatagóir a bhfuil iarratas curtha isteach acu ann a chomhlíonadh:

1. Iarrthóir a dhein an Ardteistiméireacht nó Scrúdú Coibhéiseach;
2. Iarratasóirí Lánfhásta;
3. Iarratasóirí i gCatagóir Ar Leith.

IARRTHÓIR A DHEIN AN ARDTEISTIMÉIREACHT NÓ SCRÚDÚ COIBHÉISEACH

ARDTEASTAS (CREATLACH NÁISIÚNTA NA GCÁILÍOCHTAÍ LEIBHÉAL 6)

Ní mór d'iaratasóirí pas a fháil san Ardteistiméireacht nó i scrúduithe coibhéiseacha. Caithfidh siad an grád O6/H7 ar a laghad a bhaint amach sa Bhéarla nó sa Ghaeilge, O6/H7 sa Mhatamaitic nó an grád F2 ar a laghad i mBunleibhéal Matamaitice (i gcúrsaí sonraithe) agus O6/H7 i dtí ábhar eile nach iad.

TABHAIR DO D'AIRE, LE DO THOIL:

Comhlíonann bunleibhéal matamaitice na critéir iontrála do na cláracha seo a leanas amháin sa chatagóir Ardteastais, Leibhéal 6

TL605 Staidéar Gnó (Ardteastas i mBainistíocht Faisnéis Ghnó)

Nóta: Níl mata riachtanach do na cláracha seo a leanas más é an bunriachtanas ardteastais cúig O6/H7 ardteastais nó cáilíocht choibhéiseach (riachtanas éigeantach is ea Béarla):

- TL620 Ardteastas Ealaíon sna hEalaíona Cócaireachta;
- TL621 Ardteastas Ealaíon in Oibríochtaí Óstáin.

CÉIM (LEIBHÉAL 7 CREATLACH NÁISIÚNTA NA GCÁILÍOCHTAÍ LEIBHÉAL 7)

Ní mór d'iaratasóirí pas a fháil san Ardteistiméireacht nó i scrúduithe coibhéiseacha. Caithfidh siad an grád O6/H7 ar a laghad a bhaint amach sa Bhéarla nó sa Ghaeilge, O6/H7 sa Mhatamaitic nó an grád F2 ar a laghad i mBunleibhéal Matamaitice (i gcúrsaí sonraithe) agus O6/H7 i dtí ábhar eile nach iad.

TABHAIR DO D'AIRE, LE DO THOIL:

Comhlíontar na riachtanais íosta iontrála sa mhatamaitic le haghaidh na gcláracha seo a leanas le híosghrád F2 i mBunleibhéal matamaitice:

- TL731 Baitsiléir Gnó;
- TL781 Baitsiléir Ealaíona i gCúram Sóisialta;
- TL780 Baitsiléir Ealaíon i gCúram agus Oideachas Luathóige.

CÉIM ONÓRACHA (LEIBHÉAL 8 CREATLACH NÁISIÚNTA NA GCÁILÍOCHTAÍ)

Ní mór d'iaratasóirí pas a fháil san Ardteistiméireacht nó i scrúduithe coibhéiseacha agus dhá ghrád H5 agus ceithre grád O6/H7 a bhaint amach. Caithfidh iarratasóirí grád O6/H7 a fháil ar a laghad sa Bhéarla nó sa Ghaeilge agus sa mhatamaitic.

TABHAR DO D'AIRE, LE DO THOIL:

Comhlíontar na riachtanais íosta iontrála sa mhatamaitic le haghaidh na gcláracha seo a leanas le híosghrád F2 i mBunleibhéal Matamaitice:

- TL831 Baitsiléir Gnó (Onóracha);
- TL881 Baitsiléir Ealaíona (Onóracha) i gCúram Sóisialta;
- TL880 Baitsiléir Ealaíona (Onóracha) i gCúram agus Oideachais Luathóige.

SPECIFIC COURSE REQUIREMENTS

THE FOLLOWING SPECIFIC LEAVING CERTIFICATE REQUIREMENTS APPLY TO COURSES AT IT TRALEE.

CAO CODE	COURSE TITLE	GENERAL REQUIREMENTS	MATHS	ENGLISH OR IRISH
TL620	Higher Certificate in Arts in Culinary Arts		Not required	O6/H7 English only
TL621	Higher Certificate in Hotel Operations		Not required	O6/H7 English only
TL890	Bachelor of Science (Honours) in General Nursing	2H5 and 4O6/H7 + Lab Science		
TL891	Bachelor of Science (Honours) in Mental Health Nursing	2H5 and 4O6/H7 + Lab Science		
TL810	Bachelor of Science (Honours) in Computing with Software Development	2H5 and 4O6/H7	O4/H7	
TL811	Bachelor of Science (Honours) in Computing with Games Development	2H5 and 4O6/H7	O4/H7	
TL812	Bachelor of Science (Honours) in Computing with Digital Media	2H5 and 4O6/H7	O4/H7	
TL815	Bachelor of Science (Honours) in Computing (degree award options: Software Development or Digital Media or Games Development.	2H5 AND 4O6/H7	O4/H7	

CAO POINTS SYSTEMS

Applicants are evaluated on the basis of the national points scheme as detailed in the CAO Handbook. Points are counted for the six best subjects. Points are counted from only one sitting of the Leaving Certificate.

Leaving Certificate Common Points Scale

The Department of Education and Skills introduced a new Leaving Certificate grading scale in 2017. The new scale has 8 grades, the highest grade is a Grade 1, the lowest grade a Grade 8. The highest seven grades 1-7 divide the marks range 100% to 30% into seven equal grade bands 10% wide, with a grade 8 being awarded for percentage marks of less than 30%. The grades at higher level and ordinary level are distinguished by prefixing the grade with H or O respectively, giving H1-H8 at higher level, and O1-O8 at ordinary level:

Deintear iarratasóirí a mheas de réir scéim náisiúnta na bpointí mar a shonraítear i Lámhleabhar na Lároifige larratais. Áirítear pointí na sé n-ábhar is fearr. Ní áirítear pointí ach as babhta amháin den Ardteistiméireacht atá déanta ag iarratasóir.

Comhscála Pointí na hArdteistiméireachta

Thug an Roinn Oideachais agus Scileanna isteach scála grádaithe nua don Ardteistiméireacht in 2017. Tá 8 ngrád ar an scála nua. Is é Grád 1 an grád is airde agus is é Grád 8 an grád is ísle. Maidir leis an seacht ngrád is airde, 1-7, roinntear raon na marcanna ó 100% go 30% ina sheacht mbanda gráid cothroime a bhfuil gach ceann díobh 10% ar leithead. Tugtar grád 8 do mharcanna céatadáin faoi bhun 30%. Déantar idirdhealaú idir gráid an ardleibhéil agus an ghnáthleibhéil trí H nó O a chur rompu faoi seach. Mar seo tugtar H1- H8 ag an ardleibhéal agus O1- O8 ag an ghnáthleibhéal:

Grade (%)	Points	Grade (%)	Points
H1 (90-100)	100		
H2 (80<90)	88		
H3 (70<80)	77		
H4 (60<70)	66		
H5 (50<60)	56	O1 (90-100)	56
H6 (40<50)	46	O2 (80<90)	46
H7 (30<40)	37	O3 (70<80)	37
H8 (0<30)	0	O4 (60<70)	28
		O5 (50<60)	20
		O6 (40<50)	12
		O7 (30<40)	0

The new common points scale that has been developed is non linear. Under the old system, the points allocated were in increments of 5 points per band. The new common points scale does not have equal divisions between each value on the scale as can be seen from above. This should kept in mind, if an applicant is working out what the value of their grades may be. The non linear scale will also apply to applicants presenting pre-2017 Leaving Certificates.

Tá an comhscála pointí nua a forbraíodh neamh-líneach. Faoin seanchóras ba i mbreisíochtaí 5 phointe in aghaidh an bhand a leithdháileadh pointí. Maidir leis an gComhscála Pointí nua, níl sé roinnte ina chodanna cothroime idir gach luach ar leith ar an scála mar is léir ón méid thuas. Ba chóir cuimhneamh air seo, má tá iarrthóir ag oibriú amach cén luach a d'fhéadfadh a bheith ar a c(h)uid grád. Beidh feidhm ag an scála neamh-líneach leis, i gcás iarrthóirí a chuireann Ardteistiméireachtaí na mblianta roimh 2017 isteach.

Revised scoring for Leaving Certificate Vocational Programme (LCVP) Link Module

LCVP Grade	Points/Pointe	LCVP Grade	Points/Pointe	LCVP Grade	Points/Pointe
Distinction Pas Le Gradam	66	Merit Pas Le Tuillteanas	46	Pass Pas	28

CAO POINTS SYSTEMS

COMMON BONUS POINTS SCALE FOR HIGHER LEVEL MATHEMATICS

A bonus of 25 points will continue to be awarded to applicants who achieve a grade H6 or above in higher level (HL) mathematics. This means that the maximum cumulative LC points total will increase from 600 to 625 (existing maximum points plus bonus points).

Formula:

- All students presenting H6 or above in HL mathematics will have 25 points added to their score for mathematics;
- The six highest subject points scores will then be counted to achieve a cumulative points score, as is normal practice. The bonus points will only be relevant in cases where the subject HL mathematics (including bonus points) is scored as one of the candidate's six best subjects for points purposes. Consequently, if HL mathematics (cumulative points score) is not among these six subjects, the bonus points will not be included in the total points score. Bonus points will be awarded irrespective of the year in which the examinations were taken.

Scoring for pre-2017 Leaving Certificate applicants

All of the pre-2017 LC grades from D3- A1 can be mapped directly to a grade on the new grading scale. For example, the existing A2 and B1 grade bands are both collapsed into the new grade 2. This means that for students who sat the Leaving Certificate before 2017, the A2 and B1 grade should both be treated the same as a new grade 2. The points to be awarded from 2017 for pre-2017 Leaving Certificate grades are set out in the tables below. In line with the decision to award points to students who achieve a grade of H7 under the new Leaving Certificate grading scheme, students who achieved an E grade at Higher Level under the earlier grading schemes will from 2017 be awarded points. The pre-2017 E grade band covers from 25–39% and does not map directly onto the new H7 grade band, which covers the range 30-39%. Therefore, the points awarded for a pre-2017 higher level E grade will be less than for a H7 and have been calculated mathematically on the non-linear scale at 33 points.

GNÁTH-SCÁLA D'ARDLEIBHÉALMATAMAITICE

POINTÍ

BÓNAIS

Tugtar bónas 25 pointe d'iarratasóirí a bhaineann grád H6 nó grád níos airde amach in ardleibhéal matamaitice. Ciallaíonn sé seo go méadaítear uasmhéid carnach na bpointí ardteistiméireachta ó 600 go 625 (an t-uasmhéid atá ann cheana móide pointí bónaís).

Foirmle:

- Gach mac léinn a fuair H6 nó níos airde in ardleibhéal matamaitice, cuirfeadh 25 pointe sa bhreis lena scór matamaitice;
- Ansin ríomhfar na sé scóir pointí ábhair is airde chun scór pointí carnacha a fháil de réir mar a dheintear de ghnáth; Ní bhaineann aon tábhacht leis na pointí bónaís ach amháin má tá ardleibhéal matamaitice (pointí bónaís san áireamh) ar cheann de na sé ábhair is fearr atá bainte amach ag an iarratasóir chun críocha pointí. Dá thoradh sin, más rud é nach bhfuil ardleibhéal matamaitice (scór pointí carnacha) ar cheann de na sé ábhar seo ní chuirfeadh na pointí bónaís san áireamh i scór iomlán na bpointí. Dámhfar na pointí bónaís gan aird ar an mbliain inar glacadh na scrúdaithe.

Scóráil maidir le hiarrthóirí a chuireann Ardteistiméireacht ó bhlianta roimh 2017 isteach

Is féidir gach grád Ardteistiméireachta D3 - A1 ó bhlianta roimh 2017 a cheangal go díreach le grád ar an scála grádaithe nua. Mar shampla, rinneadh an grád nua 2 den dá bhanda gráid A2 agus B1 atá ann faoi láthair. Mar sin, i gcás scoláire a fuair an Ardteistiméireacht roimh 2017, ba chóir A2 agus B1 araon a áireamh mar an grád 2 nua. Minítear na pointí a bhronnfar ó 2017 ar aghaidh i dtaobh gráid Ardteistiméireachta roimh 2017 sna táblaí thíos. De réir an chinneadh pointí a bhronnadh ar scoláirí a bhaineann grád H7 amach faoin scéim grádaithe Ardteistiméireachta nua, bronnfar pointí ar scoláirí ó 2017 ar aghaidh, a bhain an grád E amach ag an Ardleibhéal faoin sean-scéim grádaithe. Clúdaíonn an banda E roimh 2017 an raon 25-39% agus ní fhreagraíonn sé go díreach do bhanda gráid H7. Clúdaíonn sé siúd an raon 30-39%. Dá bhrí sin bronnfar níos lú pointí ar grád E den ardleibhéal ná mar a bhronntar i dtaobh H7. Deineadh na pointí a ríomh go matamaiticiúil ar scála neamh-lineach ag 33 pointe.

Points will be therefore awarded to students who sat the Leaving Certificate from 1992-2016 as follows:

Mar sin bronnfar pointí ar scoláirí a fuair an Ardeistiméireacht idir 1992-2016 mar seo a leanas:

Pre-2017 Leaving Certificate Grading Scale	New Leaving Certificate Grading Scale	New Points at Higher Level	New Points at Ordinary Level
A1	H1/O1	100	56
A2	H2/O2	88	46
B1	H2/O2	88	46
B2	H3/O3	77	37
B3	H3/O3	77	37
C1	H4/O4	66	28
C2	H4/O4	66	28
C3	H5/O5	56	20
D1	H5/O5	56	20
D2	H6/O6	46	12
D3	H6/O6	46	12
E		33	0

Applicants presenting Leaving Certificate results 1985 to 1991

1985 to 1991 LC Grade	New Points Awarded Higher Level	New Points Awarded Ordinary Level
A	100	56
B	77	37
C	66	28
D	46	12
E	33	0
F	0	0
NG	0	0

MATURE APPLICANTS

The Institute welcomes applications from persons who will be 23 years of age and over on the 1st of January of the proposed year of entry and who wish to be admitted as a mature student. The Institute reserves a minimum of 5% of all places for mature applicants. Mature applicants should apply to the CAO before 1st February. Each mature applicant is considered on an individual basis by the Institute, usually by an aptitude test or written assessment and/or interview. These are normally held in May each year.

Mature applicants are not required to have a leaving certificate or the minimum entry points. However, applicants should include documentation in relation to any courses that they have undertaken at second level (Junior and Leaving Certificate) as well as any professional and hobby courses that they may have taken. Applicants are strongly encouraged to include details of all courses that they have completed in the past, as well as providing any information that may reflect their preference choices (i.e. work experience/motivation/goals, etc.). These qualifications will be taken into account, along with their personal statement, as part of the assessment. Note: Mature applicants may be considered on their Leaving Certificate results, if they reach the previous year's cut-off points and entry criteria for the programme(s) that they have indicated.

When completing the CAO application form, those applying as mature students should tick the mature box on the application form and complete the relevant details. Mature applicants from outside the EU are required to submit relevant documentation in relation to their status in Ireland, prior to accepting an invitation to attend aptitude tests or written assessment and/or interview. Please refer to page 139 for English language requirements for non-native English speakers.

Late applicants (i.e. by 1st May) to CAO will be considered by the Institute. Late applicants are advised to notify the Admissions Office directly after they have submitted their CAO application. Where required these applicants will be invited to attend the aptitude test or written assessment and/or interview in May. Otherwise these applicants may undertake tests and/or interviews in early August. However, while the college will try to accommodate all applicants, we cannot guarantee that late applicants will be called for assessment.

Please note the quota of reserved places on high demand programmes may have been filled in May by the on-time candidates. Late candidates may be put on a waiting list if they are successful. However we cannot guarantee places to these applicants. Mature applicants should also contact the Admissions Office at IT Tralee if they avail of the change of mind facility with CAO.

Mature Applicants to Nursing

Please note mature applicants to either TL890 (General Nursing) or TL891 (Mental Health Nursing) must apply before 1st February. The assessment for mature candidates for Nursing programmes nationally is provided by the Nursing and Midwifery Board of Ireland and not by the relevant institutes. For further information go to www.nmbi.ie/Careers-in-Nursing-Midwifery

Fáiltíonn an Institiúid roimh iarratais ó dhaoine a bheidh 23 bliana slánaithe acu ar an 1ú Eanáir dá mbliain iontrála agus ar mian leo teacht isteach mar mhac léinn lánfhásta. Coinníonn an Institiúid 5% dá cuid áiteanna ar leataobh do mhic léinn lánfhásta. Ba chóir d'iarratasóirí lánfhásta iarratas a chur chuig an Lároifig Iontrála roimh an 1ú Feabhra. Féachann an Institiúid ar gach iarratastóir lánfhásta ar bhonn na pearsan aonair, de ghnáth trí thástáil inniúlachta nó trí mheasúnú scríofa agus / nó trí é nó í a chur faoi agallamh. Cuirtear na tástálacha ar siúl i mí Bhealtaine gach bliain de ghnáth.

Ní bheidh ar iarrthóirí lánfhásta Ardteistiméireacht ná íoslíon pointí iontrála a bheith acu. Iarrtar ar iarrthóirí áfach, doiciméadú a chur faoi iamh a bhaineann le cúrsaí ar bith atá déanta acu ag an dara leibhéal (Teastas Sóisearach agus Ardteistiméireacht) mar aon le cúrsaí gairme/ caitheamh aimsire ar bith atá déanta acu, b'fhéidir. Ba chóir d'iarratastóirí doiciméadú maidir le cúrsa ar bith atá déanta acu ag an dara nó an tríú leibhéal a chur faoi iamh áfach. Moltar go láidir d'iarratasóirí sonraí faoi gach cúrsa atá déanta acu san am atá thart a chur isteach mar aon le heolas ar bith a léiríonn na roghanna is fearr leo (is é sin, taithí oibre / spreagadh / spriocanna s.r.l.) Tabharfar na cáilíochtaí seo san áireamh i dteannta ráitis phearsanta mar chuid den mheasúnú. Nóta: D'fhéadfaí féachaint ar iarrthóirí lánfhásta ar bhonn pointí Ardteistiméireachta má bhaineann siad scoithphointí na bliana roimhe amach i leith an chláir/ na gclár atá curtha in iúl acu.

Agus an fhoirm iarratais CAO á chomhlíonadh acu ba chóir dóibh siúd a chuireann isteach mar mhic léinn lánfhásta tic a chur sa bhosca 'mac léinn lánfhásta' ar an bhfoirm iarratais agus na sonraí ábhartha a líonadh isteach. Féach leathanach 139 le do thoil, maidir le riachtanais Béarla do dhaoine nach cainteoirí dúchais Béarla iad.

Féachfaidh an Institiúid ar iarratasóirí déanacha chuig an Lároifig Iontrála (1ú Bealtaine 2016). Moltar d'iarratasóirí déanacha an Oifig Iontrála a chur ar an eolas go díreach i ndiaidh dóibh a n-iarratais chuig an Lároifig Iontrála a chur isteach. Cuirfear cuireadh chuig na hiarratasóirí seo freastal ar thástáil inniúlachta nó chuig measúnú scríofa agus/nó agallamh i mí Bhealtaine, más gá. Mura ndéantar sin d'fhéadfadh go ndéanfaidh na hiarratasóirí sin tástálacha agus / nó go raghaidh siad faoi agallamh go luath i mí Lúnasa. Cé go ndéanfaidh an coláiste iarracht ar áit a thabhairt do gach iarratasóir ní féidir aon ráthaíocht a thabhairt go n-iarrfar ar dhaoine a chuir iarratas déanach isteach teacht chuig measúnú.

Tabhair do d'aire, le do thoil, go mb'fhéidir gur líonadh cuóta na n-áiteanna a cuireadh ar leataobh i gcláracha ardéilimh ó líon na ndaoine a chuaigh faoi agallamh i mí Bhealtaine. B'fhéidir go gcuirfear iarratasóirí déanacha ar liosta feithimh má éiríonn leo. Ní féidir linn an chinnteacht a thabhairt do na hiarratasóirí seo go bhfaighidh siad áit, áfach.

Iarrthóirí Altranais Lánfhásta

Tabhair do d'aire, le do thoil, nach mór d'iarrthóirí lánfhásta ar TL890 (Altranais Ginearálta) nó TL891 (Altranais Meabharshláinte) iarratas a chur isteach roimh an 1 Feabhra. Is é Bord Altranais agus Cnáimhseachais na hÉireann a dhéanann an mheasúnacht ar iarrthóirí lánfhásta ar chláir Altranais go náisiúnta, seachas na hinstiúidí lena mbaineann.

The Perks of Studying at IT Tralee

Perk **6** No. **6** Diversity

An international student experience.

Over 70 nationalities on campus and 100 international partner Institutes.

SPECIAL CATEGORY APPLICANTS

QQI-FET Awards

The minimum entry requirement for graduates of QQI awards who wish to apply for any course, except nursing, through the CAO at IT Tralee is ANY full QQI award at level 5 or level 6 including the following essential modules:

IT Tralee Course	Essential QQI-FET Modules
Level 6 Higher Certificate	None
Level 7 Ordinary Degree	None
Level 8 Honours Degree (Except Nursing)	Three distinctions

Students presenting QQI-FET qualifications for entry to either TL890 (General Nursing) or TL891 (Mental Health Nursing) must hold one of the QQI-FET awards listed below, which in turn must include the essential modules as shown:

Essential QQI-FET Awards at Level 5 or 6	Essential QQI-FET Modules
5M4349 (Nursing Studies)	Must possess distinctions in 5 modules in the QQI-FET level 5 qualification which must include:
5M4468 (Community & Health)	<ul style="list-style-type: none"> D20001/5N0749 Anatomy & Physiology
5M4339 (Healthcare Support)	<p>AND</p> <ul style="list-style-type: none"> D20012/5N4325 Nursing Theory and Practice
5M3782 (Health Service Skills)	<p>AND</p> <ul style="list-style-type: none"> D20032/5N1279 Human Growth & Development OR C20006/5N2746 Biology

CAO Points Scoring for QQI-FET Awards

The points awarded for QQI-FET (formerly FETAC) awards are calculated as follows: the maximum possible total score of 360 (120 credits x 3 for a distinction) is multiplied by 13 and divided by 12, to give a maximum overall points score of 390 for applicants from further education and training. Applicants who completed their QQI award in a year previous to the year of application should attach their statement of results to their CAO form. For further information please contact the Admissions Office: Tel: +353 (0)66 714 5638 or email admissions@ittralee.ie

CCI SCÉIM NA NASC ARDOIDEACHAIS

Is é an riachtanas íosta iontrála do chéimithe dámhachtainí CCI ar mian leo cur isteach ar chúrsa ar bith ach amháin altranas tríd an Lároifig Iontrála ag IT Trá Lí ná dámhachtain iomlán AR BITH CCI ag leibhéal 5 nó 6 lena n-áirítear na modúil riachtanacha seo a leanas:

Cúrsa IT Trá Lí Modúil	CCI riachtanacha
Leibhéal 6 Ardteastas	Ceann ar bith
Leibhéal 7 Gnáthchéim	Ceann ar bith
Leibhéal 8 Céim le hOnóracha (Ach amháin Altranas)	Trí ghradam

Ní mór do mhic léinn a chuireann cáilíochtaí CCI i láthair chun críocha iontrála i gcomhair TL890 (Altranas Ginearálta) nó TL891 (Altranas Meabharshláinte) ceann amháin de na dámhachtainí CCI ar an liosta thíos a bheith acu agus ní mór a bheith mar chuid díobh seo na modúil riachtanacha seo:

Dámhachtainí CC Riachtanacha ag Leibhéal 5 nó 6	Modúil CCI riachtanacha
5M4349 (Staidéar Altranais)	Ní mór dóibh gradaim a bheith acu i 5 cinn de mhodúil sa cháilíocht CCI leibhéal 5 agus caithfidh iad seo a leanas a bheith mar chuid díobh:
5M4468 (Pobal & Sláinte)	<ul style="list-style-type: none"> D20001/5N0749 Anatamaíocht & Fiseolaíocht
5M4339 (Tacaíocht Cúram Sláinte)	<p>AGUS</p> <ul style="list-style-type: none"> D20012/5N4325 Réamheolas don Altranas
5M3782 (Scileanna Seirbhís Sláinte)	<p>AGUS</p> <ul style="list-style-type: none"> Fás agus Forbairt an Duine NÓ C20006/5N2746 Bitheolaíocht

Scóráil Pointí Lárionad Iontrála maidir le Dámhachtainí Dearbhú Cáilíochta agus Cáilíochtaí Éireann-Breisoideachas agus Oiliúint (QQI-FET)

Riomhtar na pointí a bhronntar i leith QQI-FET (FETAC roimhe seo) mar seo a leanas: iolraítear an scór iomlán uasta is féidir a bhaint amach, 360, (120 creidiúint x 3 i gcomhair pas le gradam) faoi 13 agus roinntear ar 12 é chun scór pointí uasta foriomlán 390 a thabhairt d'iarrthóirí as breisoideachas agus oiliúint. Ba chóir d'iarrthóirí a chríochnaigh a ndámhachtain QQI i mbliain roimh bhliain an iarratais an ráiteas torthaí a chur faoi iamh lena bhfoirm Lároifige Iontrála. Chun tuilleadh eolais a fháil déan teagmháil leis an Oifig Iontrála: Guth.: +353 (0)66 714 5638 nó r-phost admissions@ittralee.ie

SPECIAL CATEGORY APPLICANTS

LEAVING CERTIFICATE APPLIED PROGRAMME

Holders of an LCA certificate, who have a minimum of one year of relevant work experience, post qualification, may apply through CAO for the following programmes:

- TL620 Higher Certificate in Arts in Culinary Arts;
- TL621 Higher Certificate in Arts in Hospitality Studies.

Candidates will also be required to pass an interview with the Institute.

PATHFINDERS SECOND-LEVEL ACCESS PROGRAMME

This programme is an access initiative for pupils of eligible secondary schools in Kerry. IT Tralee reserves a minimum of 5% of places on all full-time programmes with the exception of nursing. Two places in total are allocated on the nursing programmes each year. Those who have completed the Pathfinders programme should:

1. Apply to CAO (as a Leaving Certificate applicant and tick Category 5 'Other School Exams' applicant) before 1st February 2018;
2. Complete a Pathfinders Second Level Route application form and return it with supporting evidence to Student Services, IT Tralee before 1st May 2018

Applicants must meet the minimum specific entry requirements for all programmes as specified for Pathfinders. See www.ittralee.ie/pathfinders for details of minimum entry requirements.

TRAVELLER ACCESS PROGRAMME

The Star Pupil Traveller Access to Education Programme is an access initiative for pupils from the Traveller community attending eligible secondary schools in Kerry. IT Tralee reserves a number of places on its programmes for participants who complete the Star Pupil programme. Those who have completed the Star Pupil programme should:

1. Apply to CAO (as a Leaving Certificate applicant and tick Category 5 'Other School Exams' applicant) before 1st February 2018;
2. Complete an IT Tralee application form and return, with a curriculum vitae, to the Admissions Office, IT Tralee before 1st February 2018;
3. Attend and successfully complete an interview and/or assessment with IT Tralee.

Applicants must meet the minimum specific entry requirements for all programmes as specified for Star Pupils. See www.ittralee.ie for details of minimum entry requirements.

Is féidir le daoine a bhfuil an Ardteistiméireacht Fheidhmeach déanta acu agus a bhfuil taithí oibre ábhartha faighte acu ar feadh bliana ar a laghad i ndiaidh dóibh an cháilíocht seo a bhaint amach iarratas a chur isteach ar na clár seo a leanas:

- TL620 Ardteastas Ealaíon sna hEalaíona Cócaireachta;
- TL621 Ardteastas Ealaíon i Staidéar Fáilteachais.

Beidh ar iarratasóirí freastal ar agallamh leis an Institiúid agus pas a fháil ann, chomh maith.

PATHFINDERS - AN CLÁR UMROCHTAIN DARA LEIBHÉIL

Tionscadal rochtana do dhaltai ó scoileanna incháilithe i gCiarraí is ea an clár seo. Reáchtáiltear é i gcomhar le Forbairt Chiarraí Thuaidh agus Thoir, le Comhpháirtíocht Forbairt Chiarraí Theas agus le Comhar Dhuibhne. Coinníonn IT Trá Lí 5% dá cuid áiteanna ar a laghad ar gach aon chlár do rannpháirtithe a chríochnaíonn an clár Pathfinders, ach amháin ar chláracha altranais. Ba chóir dóibh siúd a bhfuil an clár Pathfinders críochnaithe acu na nithe seo a leanas a dhéanamh:

1. Iarratas a chur chuig an Lároifig Iontrála roimh an 1ú Feabhra 2018 (mar iarratasóir Ardteistiméireachta agus Catagóire 5);
2. Foirm iarratais na hITT a líonadh isteach agus í a chur chuig an Oifig Iontrála, IT Trá Lí mar aon le Curriculum Vitae, roimh an 1ú Feabhra 2018;

Ní mór d'iarrthóirí na sainriachtanais iontrála íosta a chomhlíonadh i ndáil le gach clár de réir mar atá sonraithe ar bhealach Pathfinders. Tá sonraí na riachtanas iontrála íosta ar fáil ar www.ittralee.ie/pathfinders

CLÁR ROCHTANA DO THAISTEALAITHE

Rochtain Dalta 'Star' do Thaistealaithe ar Oideachas agus Obair Tionscnamh rochtana is é an Clár Taithí do dhaltai ó phobal na dTaistealaithe atá ag freastal ar mheánscoileanna incháilithe i gCiarraí. Coinníonn IT Trá Lí roinnt áiteanna siar ar a cuid cláracha do rannpháirtithe a chríochnaíonn an clár Dalta 'Star'. Ba chóir dóibh siúd a bhfuil Clár an tSárdhalta déanta acu:

1. Iarratas a chur chuig an Lároifig Iontrála roimh an 1ú Feabhra 2018 (mar iarratasóir Ardteistiméireachta agus Catagóire 5);
2. Foirm iarratais na hITT a líonadh isteach agus í a chur chuig an Oifig Iontrála, IT Trá Lí mar aon le Curriculum Vitae, roimh an 1ú Feabhra 2018;
3. Freastal ar agallamh agus/nó scrúdú le hIT Trá Lí agus é a chríochnú go rathúil.

Ní mór d'iarratasóirí na sainriachtanais iontrála íosta a chomhlíonadh i ndáil le gach clár de réir mar atá sonraithe maidir le Sárdhaltaí. Féach ar www.ittralee.ie maidir le sonraí na riachtanas iontrála íosta.

CLÁR NA HARDTEISTIMÉIREACHTA FEIDHMÍ

SPECIAL CATEGORY APPLICANTS

STUDENTS WITH DISABILITIES AND LEARNING DIFFERENCE

If you have a disability/learning difference which you believe should be brought to the attention of the Institute, please tick this section on the CAO application form. We recommend that you attend the Institute's Open Day on 27th October, 2017. Students with a physical, sensory, mental health or significant health condition can meet with the Access Officer on that day and the Officer for Students with Learning Difference will be available to meet with students with dyslexia or any other recognised learning difficulty or learning difference. Alternatively you can make direct contact with the relevant support officer or meet at our College Awareness Week Disability Information Seminar to discuss facilities and services and to receive a copy of the Institute's Support Services Guide (see www.collegeaware.ie for more information). Students with significant medical conditions are advised to contact the IT Tralee Nurse on Open Day or at registration to discuss health services for students.

INTERNATIONAL APPLICANTS

EU residents, who have been resident in the EU for three of the previous five years prior to application, may apply for entry to first year of a course at IT Tralee via the CAO. Such students must hold qualifications equivalent to the Irish Leaving Certificate. Qualifications are evaluated by the CAO.

Non EU students who are residing outside of the EU and currently hold or intend to hold a student visa must apply via the IT Tralee International Office. The following applicants may also apply via the CAO:

1. Those currently living in Ireland, or any of the current 28 EU member states, and who have been doing so for more than three out of the previous five years, and have a STAMP4EU;
2. Applicants who have been granted humanitarian or refugee status and are currently living in Ireland;
3. Parents of an Irish born child.

Any applicant who is currently, or has in the past been, resident outside the EU, must contact the Admissions Office of the Institute of Technology Tralee at +353 (0)66 7145638 or email admissions@ittralee.ie to enquire whether they should apply via the CAO or direct to the Institute and to obtain information on the course of study they wish to pursue. Such enquiries should be made well in advance of the CAO closing date of 1st February and preferably not later than the previous 15th December.

MIC LÉINN FAOI MHÍCHUMAS AGUS MIC LÉINN AG A BHFUIL DEACRACHTAÍ FOGHLAMA

Má tá tú faoi mhíchumas nó má tá deacracht foghlama agat ar chóir é a chur ar a súile don Institiúid, dar leat, molaimid duit tic a chur leis an mír seo ar leathanach 1 d'fhoirm iarratais na Lároifige Iontrála. Molaimid duit teacht chuig Lá Oscailte na hInstitiúide Dé hAoine 27 Deireadh Fómhair 2017 agus bualadh leis an Oifigeach Iontrála nó leis an Teagascóir Tacaíochta Disléicse an lá sin, é sin, nó dul i dteagmháil leo láithreach ina dhiaidh sin chun áiseanna agus seirbhísí a phlé agus chun cóip den Treoir ar Sheirbhísí Tacaíochta na hInstitiúide a fháil. Moltar do mhic léinn a bhfuil riochtaí leighis móra orthu teagmháil a dhéanamh le haltra na hInstitiúide ar an Lá Oscailte nó ar chlárú dóibh chun seirbhísí sláinte do mhic léinn a phlé.

IARRATASÓIRÍ IDIRNÁISIÚNTA

Is féidir le cónaitheoirí de chuid an AE atá ina gcónaí san AE le 3 bliana as an gcúig bliana roimh dóibh iarratas a dhéanamh iarratas a chur isteach ar iontráil chuig an chéad bhliain de chúrsa ag IT, Trá Lí tríd an Lároifig Iontrála. Ní mór do na micléinn seo a bheith i seilbh cáilíochtaí atá coibhéiseach le hArdeistiméireacht na hÉireann. Déanann an Lároifig Iontrála na Cáilíochtaí a mheas.

Ní mór do mhicléinn as tiortha lasmuigh den AE a chónaíonn lasmuigh den AE agus a bhfuil víosa micléinn acu nó a bhfuil beartaithe acu víosa micléinn a fháil iarratas a dhéanamh trí Oifig Idirnáisiúnta IT, Trá Lí. Is féidir leis na hiarrthóirí seo a leanas iarratas a dhéanamh tríd an Lároifig Iontrála, leis:

1. Iad siúd a chónaíonn in Éirinn faoi láthair nó i gceann ar bith de 28 mballstát reatha an AE agus atá ansin le breis is 3 bliana den gcúig bliana seo caite agus a bhfuil STAMP4EU acu;
2. Iarrthóirí ar deonáíodh stádas daonnúil nó stádas teifigh acu agus a bhfuil cónaí orthu in Éirinn faoi láthair;
3. Tuismitheoirí linbh a rugadh in Éirinn.

Iarrthóirí ar bith atá ina gcónaí lasmuigh den AE faoi láthair nó a bhí ina gcónaí lasmuigh den AE é roimhe seo, ní mór dóibh teagmháil a dhéanamh le hOifig Iontrála na hInstitiúide Teicneolaíochta, Trá Lí ag +353 (0)66 7145638 nó r-phost a chur chuig admissions@ittralee.ie chun fiosrú cé acu ar chóir iarratas a dhéanamh tríd an Lároifig Iontrála nó go díreach chuig an Institiúid, agus chun eolas ar an gcúrsa staidéir atá roghnaithe acu a fháil. Ba chóir na fiosruithe seo a dhéanamh i bhfad roimh dháta dúnta na Lároifige Iontrála, an 1 Feabhra, agus b'fhearr é a dhéanamh ní déanaí ná an 15 Nollaig roimhe sin.

Language Requirements:

Lectures at IT Tralee are delivered through English. The minimum English language standards for prospective international students (non-native English speakers) who wish to study at IT Tralee are as follows: Undergraduate Year 1 IELTS 5.5 (No less than a 5.0 in any one band); PTE Academic 42. Advanced Entry (direct entry to year 2, 3 or 4) IELTS 6.0 PTE Academic 50 Postgraduate IELTS 6.0 PTE Academic 50 Foundation English IELTS 4.5 PTE Academic 30

An applicant, whose first language is not English, will be required to produce evidence of English language competence.

APPRENTICESHIP OR OTHER QUALIFICATION APPLICANTS

Other categories given consideration include apprenticeships, introduction to technology programmes or other recognised qualifications. Consideration may also be given to applicants who have demonstrated exceptional sporting or community achievement. Suitable applicants in these categories may be interviewed/assessed by the Institute.

OTHER SCHOOL LEAVING EXAMINATIONS

Applicants who have taken school leaving examinations outside Ireland, who took Irish or UK examinations pre 1985 or who took LCAP, GNVQs, VCEs, or Irish matric examinations should apply to the Central Applications Office. The CAO will evaluate these applications and award points which are equivalent to those awarded to Irish Leaving Certificate applicants. Please refer to www.cao.ie for further information.

Riachtanais Teanga:

Tugtar léachtaí ag IT, Trá Lí trí Bhéarla. Is iad seo a leanas na riachtanais iosta Béarla ar chóir do mhicléinn idirnáisiúnta ar mhaith leo tabhairt faoi staidéar in IT, Trá Lí a chomhlíonadh (micléinn ionchasacha nach cainteoirí dúchais Béarla iad): Bliain fhochéime 1 IELTS 5.5 (Ní lú ná 5.0 in aon bhand ar bith ar leith); PTE Acadúil 42. Iontráil ag leibhéal níos airde (iontráil dhíreach chuig bliain 2, 3 nó 4) IELTS 6.0 PTE Acadúil 50 Iarchéime IELTS 6.0 PTE Acadúil 50 Bunleibhéal Béarla IELTS 4.5 PTE Acadúil 30

IARRTHÓIRÍ PRINTÍSEACHTA NÓ IARRTHÓIRÍ A BHFUIL CÁILÍOCHTAÍ EILE ACU

Ar chatagóirí eile a bhféachtar orthu áirítear printíseachtaí, eolas tosaigh ar chláracha teicneolaíochta nó cáilíochtaí aitheanta eile. B'fhéidir go bhféachtar ar iarrthóirí a bhfuil éachtaí fíor-speisialta bainte amach acu i gcúrsaí spóirt nó i gcúrsaí pobail, leis. D'fhéadfadh an Institiúid iarrthóirí oiriúnacha a chur faoi agallamh nó a mheasúnú.

SCRÚDUITHE FÁGÁLA SCOILE EILE

Ba chóir do na iarratasóirí seo a leanas a n-iarrataisí a chur isteach chuig an Lároifig Iontrála: Iarratasóirí a dhein a scrúduithe fágála scoile lasmuigh d'Éirinn, iarratasóirí a ghlac scrúdú in Éirinn nó sa Ríocht Aontaithe roimh 1985 nó iarratasóirí a ghlac scrúduithe na hArdteistiméireachta Feidhmí, na Cáilíochta Gairme Náisiúnta Ginearálta (GNVQ), scrúduithe VECs nó scrúduithe maitrise Éireannacha. Measfaidh an Lároifig Iontrála na iarrataisí seo agus bronnfar pointí orthu atá ar aon dul leo siúd a bronnar ar iarratasóirí a bhfuil Ardteistiméireacht na hÉireann déanta acu. Féach ar www.cao.ie chun tuilleadh eolais a fháil.

GENERAL INFORMATION

APPLICANTS PURSUING ADD-ON BACHELOR DEGREE OR AN ADD-ON HONOURS BACHELOR DEGREE PROGRAMME

If you wish to pursue a course of study on an add-on bachelor degree or an add-on honours bachelor degree programme, you may apply directly to the: Admissions Office, IT Tralee. Closing date is 1st April. If you are in doubt over the category you should apply under, please contact the Admissions Office at +353 (0)66 714 5638.

APPLICANTS WHO WISH TO AVAIL OF ADVANCED ENTRY

Applicants who wish to avail of advanced entry into year 2 of a 3 year or 4 year ab-initio programme should contact the Admissions Office at +353 (0)66 714 5638.

ACCS SCHEME

ACCS is an acronym for accumulation of credits and certification of subjects. The ACCS scheme allows students to study a portion of a full-time programme in a part-time mode. Students can gain credits for each module successfully completed and accumulate those credits, over-time, towards a nationally recognised award such as a higher certificate or an ordinary degree or an honours degree. All students will receive single subject accreditation for each module that they complete.

Generally, there are 60 credits attached to each stage of the programme i.e. 60 credits attached to year 1, 60 credits attached to year 2 etc. Successful completion of a Higher Certificate Programme (2 years full time) requires completion of 120 credits; an Ordinary Degree (3 years' full time) requires successful completion of 180 credits and an Honours Degree (3 or 4 years' full time) requires successful completion of 240 credits. Students participating in the ACCS scheme sit in class with students completing the programme on a full time basis.

The ACCS route may suit those who wish to study part-time by day, e.g.

- Those who wish to up-skill in just one or a few of the modules from a full-time programme, but who do not wish/need to take the entire programme.
- Those who cannot commit to full-time study but are prepared to undertake part, or all, of a course, over an extended period, on a part-time basis.
- Successful RPL Applicants who have gained recognition for prior learning and who now wish to study for the remaining credits to achieve an award.

All applicants must meet the minimum academic entry requirements for the programme of study they wish to pursue.

IARRTHÓIRÍ ATÁ AG TABHAIRT FAOI CHÉIM BHAITSILÉARA BREISE NÓ FAOI CHLÁR CÉIME BAITISLÉARA BREISE LE HONÓRACHA

Más mian leat tabhairt faoi chúrsa staidéir ar chlár baitsiléara breise nó ar chlár baitsiléara breise le honóracha, is féidir leat iarratas a chur chuig: An Oifig Iontrála, IT, Trá Lí. Dáta dúnta an 1 Aibreán. Mura bhfuil tú cinnte faoin chatagóir ar chóir duit aerates a dhéanamh faoi, déan teagmháil leis an Oifig Iontrála ag +353 (0)66 714 5638.

IARRTHÓIRÍ AR MIAN LEO LEAS A BHAINT AS AN IONTRÁIL AG CÉIM CHUN CINN

Ba chóir d'iarrthóirí ar mian leo leas a bhaint as uas-iontráil i mbliain 2 de chlár ab-initio 3 bliana nó 4 bliana teagmháil a dhéanamh leis an Oifig Iontrála ag +353 (0)66 714 5638.

AN SCÉIM ACCS

Acraim is ea ACCS ar accumulation of credits and certification of subjects (Carnadh Creidiúintí agus Deimhniú Ábhar). Leis an scéim seo is féidir le micléinn staidéar páirtaimseartha a dhéanamh ar chuid de chlár lánaimseartha. Is féidir le micléinn creidiúintí a fháil as gach modúl a éiríonn leo a chríochnú agus is féidir na creidiúintí seo a charnadh i gcaitheamh ama chun dámhachtain ag a bhfuil aitheantas náisiúnta, cosúil le ardteastas nó bunchéim nó céim le honóracha a bhaint amach. Gheobhaidh gach mac léinn creidiúnú ábhair aonair as gach modúl a chríochnaítear.

Go ginearálta gabhann 60 creidiúint le gach céim den gclár, is é sin, 60 creidiúint i mbliain amháin, 60 creidiúint i mbliain 2 agus mar sin de. Chun Clár Ardteastais (2 bhliain lánaimseartha) a chríochnú ní mór 120 creidiúint a bhaint amach; chun Bunchéim a chríochnú (3 bliana lánaimseartha) ní mór 180 creidiúint a bhaint amach agus chun Céim le honóracha a chríochnú (4 bliana lánaimseartha) ní mór 240 creidiúint a bhaint amach. Bíonn na micléinn a ghlacann páirt sa scéim ACCS sa rang le micléinn a dhéanann staidéar lánaimseartha.

B'fhéidir go n-oireann an bealach ACCS dóibh siúd ar mian leo staidéar páirtaimseartha a dhéanamh i gcaitheamh an lae, m. sh.

- Na daoine siúd ar mian leo cur lena gcuid scileanna i gceann amháin de na modúil i gclár lánaimseartha agus nach maith leo an clár ar fad a thógáil.
- Iad siúd nach féidir leo tabhairt faoi chúrsa lánaimseartha ach atá sásta tabhairt faoi chuid de chúrsa nó faoin gcúrsa ar fad thar tréimhse fhada ar bhonn páirt-aimseartha.
- Iarrthóirí RPL (Aitheantas ar Réamhfhoghlaim) a bhfuil aitheantas bainte amach acu as ucht réamhfhoghlama agus ar mian leo staidéar a dhéanamh chun na creidiúintí a fháil atá uathu chun dámhachtain a bhaint amach.

Note: The ACCS route is not open to CAO applicants who were ineligible i.e. they did not receive an offer of a place via CAO, as they either did not meet the entry criteria or did not have sufficient points in their examination results.

Tuition fees are charged on a pro-rata basis and the fees are set each August by the Department of Education. Please contact Admissions@ittralee.ie or 066 7145638 for further details.

RECOGNITION OF PRIOR LEARNING (RPL)

The Institute operates a policy that allows for the recognition of prior learning, both formal and informal learning. Informal and experiential learning includes non-accredited education, work based training and relevant life/work experience. This learning is assessed and this assessment may lead to academic credits, exemption from subjects on intended course of study or places on particular courses of study. Applicants are required to compile a portfolio of evidence demonstrating how they have achieved the learning outcomes of a particular module within a programme or how they meet the entry requirements of a programme of study. The Institute is committed to providing support and assistance to guide the learner through the RPL application and/or in compiling the portfolio. Applications for RPL are dealt with on an individual basis once a student has registered on a particular course. Applicants should contact the relevant head of department well in advance of their intended entry date.

SPECIAL CIRCUMSTANCES

The Institute may also consider for admission, applicants who applied through the CAO, but whose performance at the leaving certificate examination was affected by extraordinary circumstances such as bereavement, serious accident or serious illness. Such applicants must provide documentary evidence in support of their application to demonstrate that they are of a standard equal to that of other students admitted to the course. The students must meet the minimum entry requirements as set down by the Institute for the programme of choice. A letter of support signed by the principle of the school the student is attending at the time of the Leaving Certificate must be appended to the documentary evidence. Applicants may be required to attend an interview.

All relevant documentation and a letter of consideration should be sent to Dr Brendan O' Donnell, Vice President Academic Affairs and Registrar, IT Tralee no later than the first Friday in July of the proposed year of entry.

Ní mór d'iarrthóirí na riachtanais iontrála acadúla íosta a chomhlíonadh chun tabhairt faoin gclár staidéir atá roghnaithe acu.

Nóta: Ní féidir le hiarrthóirí Lároifig Iontrála nach raibh incháilithe bealach ACCS a roghnú, is é sin, nár tairgeadh áit dóibh tríd an Lároifig Iontrála, toisc nár chomhlíonadar na riachtanais iontrála nó nach raibh dóthain pointí ina gcuid torthaí scrúdaithe.

Gearrtar táilli teagaisc ar bhonn pro-ráta agus socraíonn an Roinn Oideachais na táilli gach mí Lúnasa. Déan teagmháil le Admissions@ittralee.ie nó cuir glaoch ar 066 7145638 chun tuilleadh sonraí a fháil.

AITHEANTAS AR FHOGHLAIM ATÁ DÉANTA ROIMHE SEO

Tá de bheartas ag an Institiúid aitheantas a thabhairt d'fhoghlaim a deineadh roimhe seo, d'fhoghlaim fhoirmiúil agus d'fhoghlaim neamhfhoirmiúil araon. Áirítear ar fhoghlaim neamhfhoirmiúil atá bunaithe ar thaithí ná oideachas nach bhfuil aon chreidiúnú faighte ag an bhfoghlaiméoir ina leith, oiliúint obair-bhunaithe agus taithí oibre/saoil ábhartha. Deintear measúnú ar a leithéid d'fhoghlaim agus b'fhéidir go dtabharfar creidiúintí acadúla, diolúine ó ábhair sa chúrsa staidéir atá ar intinn ag an iarrthóir nó áiteanna ar chúrsaí staidéir áirithe don iarrthóir mar thoradh ar an measúnú sin. Iarrtar ar iarrthóirí punann cruthúnais a chur le chéile a léiríonn mar a bhaineadar na torthaí foghlama ar mhodúl ar leith i gclár amach nó conas a chomhlíonann siad na riachtanais iontrála a ghabhann le clár staidéir. Geallann an Institiúid go dtabharfaidh sí tacaíocht agus cabhair don bhfoghlaiméoir chun é nó í a threorú agus an t-iarratas ar Aitheantas ar Foghlaim atá déanta roimh ré á dhéanamh aige nó aici agus / nó go gcabhróidh sí leis nó léi an punann a chur le chéile. Láimhseálar iarratais ar Aitheantas ar Foghlaim atá déanta roimh ré de réir an duine aonair a luaith a bhíonn mac léinn cláraithe ar chúrsa ar leith.

DÁLAÍ AS AN nGNÁCH

D'fhéadfadh go bhféachfadh an Institiúid ar iarrthóirí a ghlacadh isteach a chuir iarratas isteach tríd an Lároifig Iontrála ach ar chuir dálaí as an ngnách ar nós méala, timpiste thromchúiseach nó breoiteacht thromchúiseach isteach ar a bhfeidhmíocht san Ardteistiméireacht. Ní mór d'iarrthóirí dá leithéid fianaise dhoiciméadach a thabhairt mar thacaíocht don iarratas chun a thaispeáint go bhfuil siad ar chomhchaighdeán le scoláirí eile a nglactar leo. Ní mór do na scoláirí na riachtanais iontrála íosta a chomhlíonadh atá leagtha síos ag an Institiúid maidir leis an gclár is rogha leo. Síníonn príomhoide na scoile a bhfreastalaíonn an scoláire uirthi tráth na hArdteistiméireachta litir thacaíochta. Caithfidh an litir seo a bheith leis an bhfianaise dhoiciméadach. Ba

GENERAL INFORMATION

ACCEPTANCE AND REGISTRATION PROCEDURES

The Institute issues details in relation to on-line registration to successful applicants who have accepted places on courses, and students must complete the on-line registration and payment within ten days of the deadline for close of acceptance offers. Successful applicants should ensure that they read all of the relevant documentation on-line (www.ittralee.ie), as it will contain requirements that are specific to some programmes, and are a mandatory part of the registration process.

Registration documentation must be downloaded, fully completed and returned to the Admissions Office, IT Tralee by the date indicated on the invitation to register. All specified fees or deposits must be paid by the relevant date(s) for valid registration to occur.

Where an applicant fails to register within the specified time stipulated, the Institute is entitled to assume that the applicant has withdrawn his/her application and the applicant accepts that the Institute may offer the place to the next student on the waiting list. Students cannot be validly registered on any course at IT Tralee unless they confirm when registering on-line that they are familiar with, and will abide by, the students rights and responsibilities as set out in the student handbook and that they have signed and dated this affirmation on their registration form.

DEFERRAL OF ENTRY

In order to avail of the facility, an applicant must first be offered a place through CAO and take the following steps:

- the applicant should not accept the offer from CAO;
- the applicant should apply in writing to the Admissions Office, IT Tralee requesting a deferral of entry and giving the reason (medical, financial or personal). Applicants cannot request a deferral to take up a course elsewhere;
- the request must be received by the date and time specified in the letter of offer.

If the request for deferral is granted, applicants are required to:

- re-apply for the course through the CAO by 1st February 2018 (as a deferred applicant - but are not required to submit all relevant data again);
- include in application the course for which deferral has been granted in September 2017 as the first and only choice on the CAO application form, otherwise the deferral lapses;
- you may of course, make a new application through CAO listing a number of courses, but in this case you may not avail of the deferral granted in September 2017.

choir gach doiciméadú ábhartha agus litir bhreithniúcháin a sheoladh chuig an Dr Brendan O'Donnell, Leas-Uachtarán Gnóthaí Acadúla agus Cláraitheoir, IT, Trá Lí. Seoltar an litir ní déanaí ná an chéad Aoine i mí Iúil.

NÓSANNA IMEACHTA GLACTHA/CLÁRÚCHÁIN

Eisíonn an Institiúid pacáiste clárúcháin do mhic léinn a bhfuil áiteanna ar chúrsaí glactha acu, laistigh de dheich lá i ndiaidh an spriocdháta chun glacadh le tairiscintí. Sa phacáiste tugtar sonraí maidir leis an nós imeachta clárúcháin ar líne. Ba chóir d'iaratasóirí ar éirigh leo áit a fháil deimhin a dhéanamh de go léifidh siad an doiciméadú ábhartha ar fad ar líne (www.ittralee.ie) de bharr go bhféadfadh riachtanais a bheith san áireamh a bhaineann le cláracha áirithe go sonrach agus a d'fhéadfadh a bheith ina gcuid éigeantach den bpróiseas clárúcháin.

Ní mór an doiciméadú clárúcháin a íoslódáil, a chomhlánú agus a sheoladh ar ais chuig an Oifig Iontrála, IT Trá Lí, faoin dáta atá luaite ar an gcuireadh chun clárú. Ní mór na táillí nó na héarlaisí sonraithe ar fad a íoc faoin spriocdháta / faoi na spriocdhátaí lena mbaineann chun clárúcháin baillí a dhéanamh.

Mura gcláraíonn iaratasóir laistigh den am atá sonraithe tá an Institiúid i dteideal glacadh leis go bhfuil an t-iaratasóir tar éis tarraingt siar agus go nglacann an t-iaratasóir leis go bhféadfadh an Institiúid an áit a thairiscint don chéad mhac léinn eile ar an liosta feithimh. Ní féidir mac léinn a chlárú go baillí ar chúrsa ar bith in IT Trá Lí ach amháin má dhearbhaíonn sé/sí ar chlárú dó/di go bhfuil cearta agus freagrachtaí an mhic léinn de réir mar atáid leagtha amach i Lámhleabhar na Mac Léinn ar eolas aige/aici, go gcloífadh sé/sí leo agus go bhfuil an dearbhú seo sinithe aige/aici agus an dáta curtha leis, ar an bhfoirm chlárúcháin.

ARCHUR IONTRÁLA

Chun leas a bhaint as an áis seo ní mór áit a bheith tairgthe d'iaratasóir tríd an Lároifig Iontrála ar dtús agus ní mór dó/di na céimeanna seo a leanas a ghlacadh:

- gan glacadh leis an tairiscint ón Lároifig Iontrála;
- iaratas i scríbhinn a dhéanamh chuig an Oifig Iontrála, IT Trá Lí agus iarraidh uirthi an iontráil a iarchur; na cúiseanna a thabhairt (cúrsaí leighis, airgeadais nó pearsanta). Ní féidir iarchur a lorg toisc go dteastaíonn ón iaratasóir dul i mbun cúrsa in áit éigin eile;
- ní mór an t-iaratas seo a bheith faighte ag an Oifig Iontrála faoin dáta agus faoin am atá sonraithe san litir tairisceana.

Má dheonaítear an t-iaratas ar iarchur ní mór d'iaratasóirí:

- iaratas nua a dhéanamh ar an gcúrsa tríd an Lároifig Iontrála faoin 1ú Feabhra 2018;

GARDA VETTING (NATIONAL VETTING BUREAU (CHILDREN AND VULNERABLE PERSONS ACT 2012))

The Institute provides a number of programmes where students are required to do a placement as a mandatory part of the programme. 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 work placements which involve contact with children or vulnerable adults. To ensure that only suitable students are sent on work placement, the Institute requires students registering on these programmes to complete the on-line Garda vetting process. Satisfactory Garda vetting is a mandatory part of registration for these programmes. Failure to obtain satisfactory Garda vetting will result in deregistration. Any offence and/or convictions arising after the student has been registered must be disclosed to the Institute immediately. The Institute reserves right to review the registration status of a student in light of additional information received subsequent to registration. Additional courses may be included each year at the discretion of the Institute and the nature of the work placement. Please review our Garda vetting policy at the following address:

www.ittralee.ie/en/GardaVetting_PolicyandProcedure.pdf

- an cúrsa ar deonaíodh iarchur ina leith i mí Mheán Fómhair 2017 a lua san iarratas chuig an Lároifig Iontrála mar an chéad rogha agus mar an t-aon rogha amháin. Mura ndéantar é seo raghaidh an t-iarchur as feidhm;
- féadfaidh tú iarratas nua a chur isteach tríd an Lároifig Iontrála dar ndóigh, agus níos mó ná cúrsa amháin a chur ar do liosta. Ní féidir leas a bhaint as an iarchur a deonaíodh duit i mí Mheán Fómhair 2017 sa chás sin áfach.

GRINNFHIOSRÚ AN GHARDA SÍOCHÁNA (AN TACHT UM AN mBIÚRÓ NÁISIÚNTA GRINNFHIOSRÚCHÁIN (LEANÁI AGUS DAOINE SOGHONTA, 2012))

Cuireann an Institiúid roinnt clár ar fáil ina bhfuil ar mhicléinn socrúcháin a dhéanamh mar chuid éigeantach an chláracha. D'fhonn cosaint an phobail a chinntiú agus d'fhonn údar a thabhairt le hiontaoibh agus muinín poiblí geallann an Institiúid a áirithiú nach ligtear ach d'iarrthóirí oiriúnacha dul i mbun socrúcháin oibre ina bhfuil teagmháil acu le leanaí nó le daoine fásta soghonta. D'fhonn a áirithiú nach gcuirtear ach micléinn oiriúnacha i socrúcháin oibre iarrann an Institiúid ar mhicléinn a chláraíonn sna cláracha seo próiseas grinnfhiosrúcháin an Gharda Síochána ar líne a chomhlánú. Tá grinnfhiosrú an Gharda Síochána rathúil ina chuid éigeantach an phróiseas clárúcháin do na cláracha seo. Mura n-éiríonn le duine grinnfhiosrú an Gharda Síochána a chomhlíonadh go rathúil beidh dhíchlarú mar thoradh air. Ní mór coir agus/nó ciontú ar bith a tharlaíonn tar éis don mac léinn a bheith cláraithe a nochtadh don Institiúid láithreach. Coinníonn an Institiúid an ceart athbhreithniú a dhéanamh ar an stádas clárúcháin i bhfianaise eolais bhreise a fhaightear i ndiaidh an chlárúcháin. D'fhéadfadh an Institiúid cúrsaí eile a ghlacadh san áireamh gach bliain dá rogha féin agus ag brath ar chineál an socrúcháin oibre. Léigh ár bpolasaí maidir le grinnfhiosrú an Gharda Síochána ag an seoladh seo:

www.ittralee.ie/en/GardaVetting_PolicyandProcedure.pdf

FINANCIAL INFORMATION

GRANTS, BUDGETING AND MONEY TIPS

It is important that you carefully plan your budget to ensure you have adequate finances to see you through the year. Items to consider when budgeting include accommodation and any rent deposits, meals, travel, entertainment, textbooks and other materials. See information below on fees and grants and visit www.ittralee.ie/grantsandfinance

TUITION FEES

Tuition fees are revised by the Higher Education Authority (HEA) on a yearly basis. Further information regarding fees payable is available on www.studentfinance.ie. The HEA are currently reviewing payment of tuition fees and changes may be implemented at some stage during your academic pursuits with the Institute. EU-nationals attending full-time higher certificate, bachelor degree or honours degree courses may not be required to pay any tuition fees. EU nationals, who are repeating a full year of study, must pay tuition fees. The rates of fees are determined by the Higher Education Authority (HEA) each year. Students may also be liable for fees if they already hold full or part of a qualification for a course similar to the programme for which they are now studying. Non-EU nationals attending full time undergraduate courses must pay fees. Fees for all undergraduate courses in the academic year 2016/17 amounted to approx. €10,000. This is currently under review for the academic year 2017/18. Further details on all tuition fees applicable are available on www.studentfinance.ie

STUDENT CONTRIBUTION CHARGE

A student contribution charge to cover non-tuition student services (e.g. examination entry fees, student services, registration, etc.) is payable by each student. Those not in receipt of a student grant are required to pay the full amount on registration. Students who have confirmation (e.g. letter from Student Universal Support Ireland (SUSI)) that they qualify for a student grant will not be required to pay the charge as it is paid as part of their grant. New and returning students will be advised of the requirements for registration.

STUDENT GRANTS

Students attending full-time third level courses can apply for grant funding from Student Universal Support Ireland (SUSI) at www.studentfinance.ie. Eligibility for grants is dealt with solely by the applicant (student) and SUSI. Grants to applicants are subject to a means test. Students in receipt of a grant will have their student contribution charge covered by the grant and may also qualify for some level of grant payment called 'maintenance grant' throughout the academic year. When your registration for an approved course at an approved college has been confirmed SUSI will arrange to pay your student maintenance grant on a monthly basis directly into your Irish bank account. You will not receive your first grant payment until the end of October or later, if

SUSI has not been in a position to fully process your application. Visit www.studentfinance.ie or contact SUSI at support@susi.ie, Tel. 0761 08 7874 or at [Facebook.com/susisupport](https://www.facebook.com/susisupport) for more details.

BACK TO EDUCATION ALLOWANCE (BTEA)

The BTEA is an educational opportunities scheme for unemployed people, lone parents and people with a disability who are getting certain payments from the Department of Social Protection and who meet certain age requirements. Participants receive a standard rate of payment which is not means-tested so you may also work without affecting your payment. You keep entitlements to any secondary benefits you already have under your existing social protection payment, e.g. fuel allowance. However, any increase in income may affect your rent/mortgage supplement. If you are in receipt of BTEA, you are also eligible to apply to SUSI for an ESF fees grant only to pay for your student contribution charge. This application is means-tested. In the current academic year this fee is €3,000. This charge is set down by the HEA and is subject to review each July. While you are in receipt of the BTEA, you will not be eligible for a student maintenance grant. Participants on one parent family payment, disability allowance, invalidity pension or illness benefit are not automatically required to transfer to BTEA when returning to full-time education. Visit www.ittralee.ie/grantsandfinance for information on your options.

ESF STUDENT ASSISTANCE FUND

The fund is intended to tackle educational disadvantage by providing financial support to eligible full-time students who are experiencing severe financial difficulties, to enable them to fully benefit from their third-level studies. Students may apply to the access officer or the chaplain for assistance from the start of term. See page 13 for information on our Access Office.

ESF FUND FOR STUDENTS WITH DISABILITIES

The fund provides grants towards the provision of services and the purchase of equipment for students with disabilities attending courses in third level institutions, e.g. personal assistant, sign language interpreter, dyslexia support, transport, additional tuition or assistive technology. See page 13 for information on our Access Office.

TAX RELIEF

You may be eligible to claim tax relief on tuition fees paid for approved full-time and part-time courses. Further information on tax relief for tuition fees is available from your nearest tax office or from Revenue's regional Lo-call telephone enquiry service or on www.revenue.ie

The Perks of Studying at IT Tralee

Perk **7** No. **7** Fun

It's not all
about study!

A choice of 60 clubs
and societies

USEFUL CONTACTS

GENERAL ENQUIRIES

T: +353 (0)66 714 5600
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SCHOOLS LIAISON

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E: travelleraccess@ittralee.ie

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Third Level Traveller Access Officer for Junior Cycle Students
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email: travelleraccess2@ittralee.ie

SPORTS OFFICE

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Eamon Fitzgerald, *GAA Games Development Administrator*
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E: eamon.fitzgerald@staff.ittralee.ie

ADDITIONAL INFORMATION

NUMBER OF STUDENTS

The number of student places indicated for each course is an approximation.

EUROPEAN UNION FUNDING

Currently, all higher certificate, ordinary bachelor degree and honours bachelor degree courses are funded from the European Social Fund. Fees are paid for eligible students. A maintenance grant is available for qualified applicants, subject to a means test.

EQUAL OPPORTUNITIES

IT Tralee has an equal opportunity policy to underline its commitment, as an institute of higher education, to the provision and promotion of equality of opportunity. Each student is entitled to equality of treatment and opportunity based on individual merit, and without regard to family or marital status, sex, age, colour, creed, disability or ethnic origin.

COURSES AND COURSE DEVELOPMENT

Courses listed in this prospectus are those currently available. The Institute is constantly developing new courses and/or amending existing courses to satisfy changing needs. Additional courses may be offered in 2018 and changes may occur to the content and structure of programmes listed in this prospectus.

COURSE AND SUBJECT AVAILABILITY

All courses and subjects are offered subject to sufficient student demand and/or available resources or the requirements of the accrediting/validating authority.

DISCLAIMER

The Institute of Technology, Tralee may amend this prospectus without notice in accordance with the requirements of Institute development, demand, available resources and requirements of the funding, accrediting and/or validating authorities. While every effort is made to ensure accuracy of the material printed in the prospectus, the contents cannot be construed as implying a contract between the Institute and any applicant for the availability of any particular course structure, subjects, content or title described in this prospectus. The information in this booklet is dated July 2017. Errors and omissions excepted.

ACKNOWLEDGEMENTS

Thanks to all the Institute students, staff and graduates who helped with this prospectus, especially those who provided profiles and those who agreed to be photographed. Special thanks to all the Institute staff involved with providing course information and general information about services.

DATES FOR YOUR DIARY

**CAO DATES OF APPLICATION FOR ENTRY
SEPTEMBER 2018**

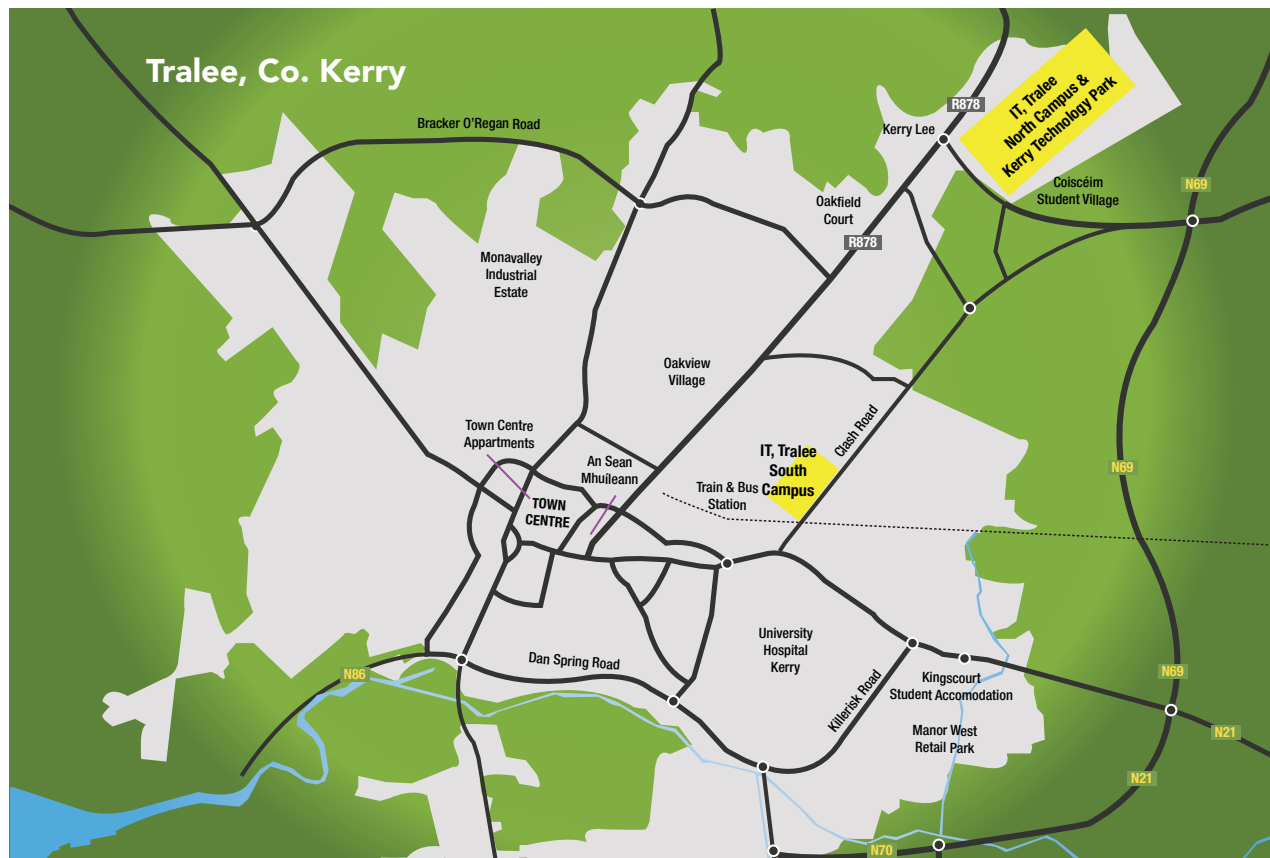
CLOSING DATE: 1st February 2018 at 5.15pm

**LATE CLOSING DATE: 1st May 2018 at 5.15pm (except
for mature candidates for nursing programmes)**

CHANGE OF MIND: 1st July 2018 at 5.15pm

**CURRENT HIGHER EDUCATION STUDENTS: 22nd July
2018 at 5.15pm**

LOCATION MAP



SCHOOLS LIAISON OFFICE

The Schools Liaison Office at IT Tralee is dedicated to the goal of assisting prospective students make informed choices about their higher education pathways. We do this through:

SCHOOL VISITS

The Schools Liaison Officer visits schools throughout the region providing you with information about IT Tralee's courses, facilities, college life, services and scholarships.

CAREERS EXHIBITIONS

IT Tralee provides information to prospective students at local and national career exhibitions. We also attend school information sessions where possible.

OPEN DAY

Open Day gives you the perfect opportunity to speak to lecturers and find out more about the courses available at IT Tralee. There are guided tours of our facilities, you can meet current students and staff are on hand to give advice on all aspects of third level education. Friday 27th October, 2017 (9.30am-1.30pm). IT Tralee North Campus.



Schools Liaison Officer:

Carol Fitzgerald

Tel: +353 (0)66 719 1993

Email: carol.fitzgerald@staff.ittralee.ie


The Perks of Studying at IT Tralee

Perk No. 8 Opportunity

From here go
anywhere.

82% of graduates stated that their course
was highly relevant to their employment.

LIFELONG LEARNING AT IT TRALEE



This prospectus details the range of full-time undergraduate and postgraduate programmes available at IT Tralee. If you are interested in pursuing a part-time course at the Institute our Lifelong Learning Department offers many flexible and innovative routes to education, enabling learners to achieve a third-level qualification whilst also recognising their work, family and life commitments. To support our adult learners we have also ensured that an increasing number of our programmes are delivered both on and off campus through a combination of online and distance learning.

IT Tralee also offer a number of programmes under the Springboard+ initiative which enable those currently in receipt of payments from the Department of Social Protection to retain their benefits while pursuing a free part-time programme.

The part-time learners at IT Tralee are a valued part of our student population and we endeavour to ensure that the qualifications you receive are relevant and tailored to your learning needs.

Customised Courses and In-Company Training

At IT Tralee we are always open to ideas for new courses and welcome enquiries from industry, community groups and HR and training managers, who may be interested in arranging the delivery of customised courses either on or off-campus. If you have any suggestions for new courses or work based training, please contact the Lifelong Learning Department at Tel: +353 (0) 66 7191701 to discuss your proposal.

For further information on the courses available, eligibility criteria and the application process contact the **Lifelong Learning Department, IT Tralee,**
Tel: +353 (0) 66 7191701 or visit
www.ittralee.ie

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European Social Fund

HEA

HIGHER EDUCATION AUTHORITY
AN tÚDARÁS um ARD-OIDEACHAS