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LIMERICK  TIPPERARY  CLARE
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CAMPUS LOCATIONS

LIT Moylish Park
Moylish, Limerick
T: +353 61 293000
E: admissions@lit.ie
W: www.lit.ie

LIT Clare Street
Limerick School of Art & Design, Clare Street, Limerick
T: +353 61 293870
W: www.lit.ie/LSAD

LIT Ennis
Arthur’s Row, Ennis, Co. Clare
T: +353 61 293000
E: admissions@lit.ie
W: www.lit.ie/Ennis

LIT Clonmel
Cashel Court, Clonmel
Co. Tipperary
T: +353 504 28490
W: www.lit.ie/Clonmel

LIT Thurles
Nenagh Road, Thurles
Co. Tipperary
T: +353 504 28000
E: tippadmissions@lit.ie
W: www.lit.ie/Thurles

Connect with us:

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See overleaf for CAO points 2017
## Faculty of Business & Humanities

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<tbody>
<tr>
<td>Accounting &amp; Finance (Honours)</td>
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<td>Business (Honours)</td>
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<tr>
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<tr>
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<td>Law &amp; Taxation</td>
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<tr>
<td>Marketing &amp; Management (Honours) (Limerick)</td>
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<td>Community Sports Development</td>
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<tr>
<td>Sports Development &amp; Coaching</td>
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<td>Sports Strength &amp; Conditioning (Honours)</td>
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<tr>
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<td>Culinary Arts</td>
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<tr>
<td>Hospitality Studies</td>
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<td>Hotel Front Office Management</td>
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<td>Early Childhood Care &amp; Education</td>
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<tr>
<td>Social Care Work (Honours) (Limerick)</td>
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<tr>
<td>Fashion &amp; Textiles for Product &amp; Costume (Honours)</td>
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<td>Creative Media &amp; Design (Honours)</td>
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<td>Digital Animation Production (Honours)</td>
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<td>Game Art &amp; Design (Honours)</td>
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*Portfolio required
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### Department of Applied Science

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<td>Drug &amp; Medicinal Product Analysis (Honours)</td>
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<td>Environmental &amp; Analytical Science</td>
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<td>Environmental &amp; Geographical Sciences (Honours)</td>
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<td>Environmental Management in Agriculture</td>
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<td>Medical Technology</td>
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<td>Operating Department Practice (Honours)</td>
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<tr>
<td>Pharmaceutical &amp; Forensic Analysis (Honours)</td>
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<tr>
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<td>Mechanical Engineering (Honours)</td>
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<tr>
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<td>Road Transport Technology &amp; Management</td>
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<tr>
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<tr>
<td>Interior Design &amp; Technology</td>
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<tr>
<td>Property Valuation &amp; Management (Honours)</td>
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<tr>
<td>Quantity Surveying (Honours)</td>
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<tr>
<td>Sustainable Building &amp; Energy Engineering</td>
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<td>Business with Computing</td>
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<tr>
<td>Computer Networks &amp; Systems Management (Honours)</td>
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<tr>
<td>Games Design &amp; Development (Honours)</td>
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<td>Internet Systems Development (Honours)</td>
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<th>Event</th>
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<tr>
<td>Engineering Workshops</td>
<td>Moylish Campus, Limerick</td>
<td>Every Thursday (September – April)</td>
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<td>LIT OPEN DAYS 2017</td>
<td>Moylish &amp; Clare Street Campuses, Limerick</td>
<td>19th &amp; 20th October 2017</td>
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<tr>
<td>Digital Arts &amp; Design Careers Day</td>
<td>LSAD, Clonmel Campus</td>
<td>7th November 2017</td>
</tr>
<tr>
<td>Science Week @ LIT</td>
<td>Moylish &amp; Thurles Campuses</td>
<td>12th – 19th November 2017</td>
</tr>
<tr>
<td>Portfolio Day</td>
<td>LSAD, Clonmel Campus</td>
<td>11th November 2017</td>
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<tr>
<td>Engineering Week @ LIT</td>
<td>Moylish Campus, Limerick</td>
<td>11th – 15th December 2017</td>
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<tr>
<td>Construction Day @ LIT</td>
<td>Moylish Campus, Limerick</td>
<td>12th December 2017</td>
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<tr>
<td>LSAD Portfolio Open Day</td>
<td>LSAD, Clare Street Campus, Limerick</td>
<td>January 2018</td>
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<tr>
<td>Portfolio Day</td>
<td>LSAD, Clonmel Campus</td>
<td>20th January 2018</td>
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<tr>
<td>LIT Music Festival</td>
<td>Moylish Campus, Limerick</td>
<td>12th March – 15th March 2018</td>
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<tr>
<td>Open Day for PLC/FETAC students</td>
<td>Thurles Campus</td>
<td>March 2018</td>
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<tr>
<td>Games Fleadh @ LIT</td>
<td>Thurles Campus</td>
<td>March 2018</td>
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<tr>
<td>SciFest 2018</td>
<td>Moylish &amp; Thurles Campuses</td>
<td>April 2018</td>
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<tr>
<td>Mechanical &amp; Automobile Engineering Showcase @ LIT</td>
<td>Moylish Campus, Limerick</td>
<td>April 2018</td>
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<tr>
<td>LSAD Graduate Fashion Show</td>
<td>Clare Street Campus, Limerick</td>
<td>April 2018</td>
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<td>Moylish, Limerick</td>
<td>Information Technology</td>
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<td>Information Technology</td>
<td>132</td>
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I am delighted that you are considering LIT for your future. Your future is very important to us and we believe that in coming here you will also future proof your professional and personal development. Also, if you come here, you will be joining us at a very exciting time.

LIT is among the most vibrant and connected institutions in Ireland. When you look around our existing 5 campuses, you will see a very broad diversity of programmes and people exploring new ideas, pursuing new knowledge, creating new art, and filling our workshops, studios and labs with the vitality that comes from being an institution that is committed to discovery, creativity and teaching excellence.

Many of you who join us will find yourselves studying at our new state-of-the-art Coonagh campus in Limerick when it opens in 2019. This exciting new campus will be focussed on teaching and research in engineering, working in partnership with major industry in the region.

The Coonagh campus brings even more diversity and energy to the institute – diversity and energy that will add to your experience as a student of LIT. By locating the institute in a number of campuses, we create communities of learning, rooted in our ethos of learning together and bringing theory and practice together.

That is why LIT scores at the very top of Irish student surveys for friendliness, access to lecturers and diversity. This is something that we are very proud of. It means that you will not be lost in LIT. You will be part of a community. Here, you are not just a number. You will know your classmates and your lecturers. You will get to know many other students through your involvement in our many sports and social clubs.

Our programmes are developed in partnership with industry, professional bodies and the community to give you the best possible employment and academic outcomes. This is part of our connectedness, part of the reason why students, graduates and employers consistently give us high scores for the quality of our programmes, which have an excellent employability record.

We deliver over 120 programmes to learners through our 5 campuses in Limerick and Tipperary, along with our Education Centre in Ennis. I invite you to explore this prospectus and see if you can find a programme to fit your needs. You can be assured that if it fits your needs it is also fitting the needs of a potential employer.

We are very open to applications from mature students looking to return to education. You will be joining a very large cohort of fellow mature students and if you have the right qualifications and experience you may be able to gain exemptions.

LIT graduates have been successful in every field of endeavour, from business to the sciences, technology, public service, engineering, hospitality and tourism, fashion and the arts. Be part of that heritage, create your own success. Your journey can start here.

I wish you all the best with the decisions you have to make.

Good luck.

Prof. Vincent Cunnane

President, LIT
Limerick Institute of Technology, twice named ‘Sunday Times University Guide’ Institute of the Year, is home to over 6,500 students across five vibrant campuses in Limerick City, Thurles, Clonmel and Ennis. A further new campus is being developed at Coonagh in Limerick to cater for LIT’s rapidly expanding student population and will become a centre of excellence in Engineering education.

As a student in LIT, you will enjoy a fun and rewarding college journey. Each of our campuses is a community of learners, where you can get to know your classmates and lecturers in a relaxed and positive environment.

Choosing your College

When you’re thinking about what college to choose, it can be a daunting process; there are so many factors to consider from course choice and location to accommodation costs. At LIT, we know that college life is about much more than just study! While it certainly involves attending lectures, studying and developing skills for your chosen career, your college experience also brings new freedom and the independence to make your own choices and decisions. You may be moving away from home for the first time – and our locations in Limerick, Tipperary and Clare offer you an exciting opportunity to make a new city or town your home for a few years.

At LIT we pride ourselves in our ability to support our students, so as you prepare to embark on a new journey, rest assured that as a student in LIT, we’ll be with you every step of the way.

Just a few of the many great reasons to choose LIT…..

Active learning. Students learn by doing at LIT. We combine practice with theory offering students an experiential model of learning. This equips you with essential skills you can take into your chosen career.

Small class sizes. As a student in LIT, you will not get lost in the crowd. Our small class sizes allow for greater participation and discussion in lectures.
Access to lecturers. All LIT campuses are a tight knit community of learners where students have easy access to lecturers whether you meet them on the corridors, in the canteen, or for scheduled meetings, which are easy to organise.

Employable. LIT graduates are highly employable. Not only will you graduate from LIT with a recognised degree relevant to your field of study but thanks to our practical approach to learning, you will also possess the necessary skills and experience employers look for.

Support. LIT provides an extensive range of support services for students, designed to assist you to reach your full potential and enjoy your college experience. Our ‘Engage’ Orientation programme for incoming first year students gives you the tools you need to successfully navigate college life. During the first weeks of term, our Student Leaders are on-hand each day to provide advice while you find your feet and give you all the information you need about campus life, clubs and societies and how to access supports.

Affordable. The cost of student living in Limerick and in our regional locations is lower than many other cities, with most student accommodation located within easy walking distance of our campuses.

Keep in touch with us across our social media platforms or visit our dedicated CAO Hub:

cao.lit.ie
Our Campus Locations

Limerick City
On the banks of the River Shannon, Limerick is Ireland’s third largest city and home to 20,000 third level students. With almost half of the city’s population under thirty, Limerick has a vibrant and youthful air. In recent times, a major redevelopment programme has transformed the city but it has still managed to maintain its warm, friendly atmosphere ensuring students enjoy the benefits of a city location, while still being able to find their way around with ease.

Moylish Park Campus, located adjacent to Munster Rugby’s Thomond Park and a five minute walk from Limerick GAA’s Gaelic Grounds, is the main LIT campus. Its facilities include lecture theatres and science labs, the LIT Student Centre, with its radio station and games room, excellent sports facilities and our refurbished student canteen hub. Our innovative Campus 2030 Development Plan is a major investment project that will see an additional 50,000sq. metres of new facilities as well as extensive refurbishment of existing facilities. It is a hugely exciting plan and will create a significant stimulus for the Limerick and mid-west region’s economy.

The Clare Street and Georges Quay Campuses house LIT’s internationally renowned Limerick School of Art & Design (LSAD), a vibrant, living “canvas” for the creation, display and celebration of the artistic talents of our students. It has an award winning reputation, including the Fashion Department listed in the top 50 worldwide, and cutting edge creative technologies for student learning. The School’s unique creative environment is being further enhanced following the opening of the International Fashion Incubator Limerick (IFIL), a creative hub that will house 100 students in a single fashion hub in Limerick City Centre.
Tipperary

LIT’s two Tipperary campuses are located in Thurles and Clonmel.

**Thurles** is a vibrant town and is a great, central location in which to live and study. It boasts many cultural and recreational facilities, including the renowned Semple Stadium, the spiritual home of hurling, a stone’s throw from the LIT Thurles campus. In Liberty Square is Hayes Hotel, which held the first meeting of the GAA in 1884 and still remains a popular meeting point for the thousands of GAA followers that descend on Thurles each summer. The LIT Thurles campus includes the cutting-edge LIT SportsLab, a world-standard sports strength and conditioning complex.

**Clonmel** campus is situated in the south of the county in the heart of the Golden Vale. With a population of almost 20,000, it boasts numerous cafés, restaurants, and lively pubs, it has lots of amenities for students living locally. For students that enjoy outdoor pursuits, Clonmel is ideally situated in a valley surrounded by mountains and hills, including the Comeraghs and Slievenamon.

Although the smallest of LIT’s campuses, LIT Clonmel provides a relaxed yet creative learning space and is home to programmes in Business and creative media programmes Game Art and Design, Digital Animation and Creative Media & Design.
LIT has a dynamic and interactive campus environment. The dedication and commitment of our staff and students is reflected in the energy and enthusiasm that extends to every aspect of our goal to support a positive student experience. Students have many opportunities to participate in activities that support their academic, cultural, social, sporting interests and preferences. We also recognise that college life can be challenging and to support you we provide a comprehensive range of student services.
Support Services for Students

Student Health Unit
A free, confidential nursing service is available to all full-time registered students at LIT. Institute Doctors are available to students at specific times. Where a nurse is available on campus, all appointments for the doctor must be made at the Student Health Unit through the nurse. The fee for the doctor is €10 for registered students and free for Medical Card holders outside of a 5 mile radius of LIT. Students can also consult local notice boards across the campuses for further details. For further information, visit www.lit.ie/studenthealth or contact: nurses@lit.ie

Student Counselling Service
LIT offers a free, confidential and professional counselling service, staffed by highly qualified and experienced psychologists, psychotherapists and counsellors to all registered students.

Our aim is to provide accessible, available and student-friendly support for students when a personal crisis arises which affects their wellbeing, happiness, capacity to cope, relationships or learning.

Counselling services provided include:
• Short term counselling for personal issues including crisis and emergency appointments.
• Support groups to support you in areas of mindfulness and overcoming anxiety.
• Wellbeing workshops in self-esteem, enhancing social skills, relaxation and managing stress.
• Positive mental health promotion initiatives and mental health awareness campaigns.

Please visit www.lit.ie/counselling for further information on services available and how to make a counselling appointment. Our website also provides information on support services in the community, helpline numbers and out of hour’s services.

Careers Service
LIT offers a Careers Service which assists students with all aspects of career planning and the transition from study to the working world. Workshops and seminars relating to key employability skills take place throughout the academic year. These include CV preparation, interview techniques and networking. Arrangements are also made for companies to meet with students in the Institute, including at the annual LIT Careers and Further Options Fair.

LIT graduates are in high demand and are recognised regionally and nationally for having a high level of technical and commercial expertise with multiple career opportunities. For further information on our Careers Service, contact: careers@lit.ie. Full details of the services offered, including information on “What do LIT Graduates do” is available at: www.lit.ie/careers

Access Service
LIT is committed to promoting equitable access to and successful participation in higher education for all members of society. Through the work of the LIT Access Service, targeted strategies and initiatives are delivered so as to facilitate entry to and successful participation in higher education for underrepresented students. The successful realisation of the widening participation agenda also requires that students’ progress in their academic studies and move into graduate employment.

Primarily, the Access service works with the following groups:
• Students who experience socio-economic disadvantage
• Students with a Disability and/or Specific Learning Difficulty
• Mature Students
• Traveller and Ethnic Minorities

The Access service delivers a range of support programmes to promote access that include:
• A mature student orientation programme. Mature students are also supported through a Mature Student Support Network, and relevant academic workshops tailored to address the needs of mature students so that they get the most out of their studies.
• Financial guidance and support through the ESF Student Assistance Fund. The Student Assistance Fund is funded by the Irish Government and part funded by the European Social Fund under the Human Capital Investment Operational Programme.
• Support and guidance for students who have a disability or a specific learning difficulty and provision of disability needs assessment and relevant supports.
• A Mentoring Service whereby all first year students are assigned a mentor that comprise of staff from across the Institute, the aim of which is to enhance the student learning experience in an ongoing supportive relationship that encourages students to stay committed to their studies and to reach their educational goals.
• Go4IT Access programme - a pre-entry initiative that engages with primary and secondary school children as they progress through education to third level.
• Student volunteering provision that includes training, support and recognition through the GIVE (Guided Initiative in Voluntary Engagement) volunteering programme.

Full details of all services provided by the Access Service are available at: www.lit.ie/access

The service(s) are confidential and can be accessed by contacting access@lit.ie or disability@lit.ie
Students with Disabilities and/or Specific Learning Difficulties

Limerick Institute of Technology is proud of our record of access and progression of students with disabilities and/or specific learning difficulties. Students with educational support requirements are encouraged to contact the Disability Officer, Broze O’Donovan at 061 293112 or broze.odonovan@lit.ie, in advance of registration, to agree the supports needed. While there is no obligation to discuss your disability/requirements, we recommend that you contact us as from experience, we have found that this positively supports your transition to third level.

Learning Support Unit

LIT Learning Support Unit (LSU) is acknowledged nationally as a distinctive and valuable feature of LIT’s Teaching and Learning Strategy. The LSU provides learning support on request from the learner. Over 1000 LIT students use Learning Support every year. Services are based on a supervised self-help model to empower the student and help them to reach their full potential. LSU provides tuition in course subjects, Study Skills, Exam Techniques, Academic Writing, Maths, Computing and English as a Second Language.

Students apply for tuition by filling in an online application form: www.lit.ie/LearningSupport/request.aspx

For further information, visit www.lit.ie/LearningSupport or contact lsu@lit.ie.
Chaplaincy and Pastoral Care

LIT has two Chaplains whose services are available to students of all religious denominations. The Chaplaincy is available to help any student/staff member of LIT and has four main areas of support: Care, Community, Spirituality and other general duties. LIT’s Pastoral Care provides a welcoming, approachable and available service to all students of the Institute community; it offers spiritual, pastoral care and pastoral counselling to enable students to make the most of their time in the Institute.

Moylish/Clare Street
Fr Declan Murray, S.J
Email: declan.murray@lit.ie
Tel: 061 293302

Moylish campus:
Monday – Friday: 9.00am – 5.00pm
(except Tuesday & Thursday afternoons)

Clare Street campus:
Tuesday and Thursday afternoons

Thurles/Clonmel
Fr Thomas Hearne
Email: thomas.hearne@lit.ie
Tel: 0504 28032 (Thurles) | 0504 28430 (Clonmel)

Thurles campus:
Monday, Tuesday, Wednesday 11.00am – 5.00pm
Clonmel campus:
Thursday 11.00am – 3.00pm

Students’ Union

The Students’ Union is the representative organisation of all students in the college and is run by an elected President and elected officers who play a major role in areas such as student welfare, finance, entertainment and clubs and societies at LIT.

LIT’s Students’ Union is an important organisation in the college in that it gives students a strong voice on the issues that affect them in their daily college lives. The Students’ Union also represents students both locally in discussions with college authorities and at national level and is affiliated to the Union of Students of Ireland (USI), the national representative body for students in Ireland. Throughout the year, students can use the Students’ Union offices as resource centres for information and advice on a wide variety of areas such as grants, accommodation, student travel, etc.

Given our multi-campus location, LIT has a Students’ Union President who is supported by a number of elected officers across all the campuses. The Students’ Union plays an active part in student life across the campuses and is involved in many activities for new first year students each year. The crew from the SU will probably be the first people you get to know when you start college!

Tel: 061 293135
Email: SU.Reception@student.lit.ie

Check us out on Facebook at:
www.facebook.com/LITStudentsUnion
An Accommodation Service is operated by the Limerick Institute of Technology Students’ Union (Block 14 on Moylish Campus), with service provision also available in Limerick School of Art and Design (LSAD), and LIT’s Tipperary campuses in Thurles and Clonmel.
Limerick Accommodation

Contact: Lily Goggin, Accommodation Office
Tel: (061) 293238. E: Lily.Goggin@lit.ie

The Accommodation Office opens on a full-time basis from early August for six weeks for first year students and is available on a part time basis for all students from mid-September onwards.

The service operates as follows:

1. **On a Referral Basis**: Students organise their own accommodation by visiting the dedicated Accommodation section on our website, [www.lit.ie/accommodation](http://www.lit.ie/accommodation), and clicking on the campus they are attending to view listing.

2. **Personal Inspection**: Whereby each student inspects his/her accommodation.

**Note**

- Students themselves are responsible for arranging terms and conditions.
- For further information, visit [www.PRTB.ie](http://www.PRTB.ie) (Private Residential Tenancies Board).
- Rent books can be requested from your local Students’ Union Office.

**Tenants’ rights**: There are number of points that should be borne in mind when renting accommodation. Landlords and tenants have certain rights and duties.

**Leasing and Letting Agreements**: Any tenancy agreement you make with your landlord is valid in law whether orally or written. Written agreements are of benefit to both sides.

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Thurles and Clonmel Campuses Accommodation

LIT’s campuses in Thurles and Clonmel produce a comprehensive accommodation list for incoming students each year. Accommodation ranges from houses and apartments to ‘digs’ where a student boards with a family. Accommodation listings are available from the Students’ Union or at [www.lit.ie/accommodation](http://www.lit.ie/accommodation).

Available accommodation listings are also posted in the local newspapers each week.

**Students’ Union Office**
Tel: 0504 28022
Email: su_thurles@student.lit.ie
Campus Resources

At LIT, we are committed to providing you with the best resources and facilities to enhance your learning experience.
Library and Information Service

LIT library service consists of 4 campus libraries, Moylish and LSAD libraries in Limerick and 2 libraries attached to LIT’s Tipperary campuses at Thurles and Clonmel. All LIT students have full access to the 4 library sites. LIT library serves the learning, teaching and research needs of the Institute. Our library collection has been developed with our academic staff to reflect all disciplines taught at the Institute. Our collection development policy underlines our commitment to provide high quality, timely and relevant information resources to our users.

Our wide ranging library service includes, book, journal and CD collections, reader services, online databases, ebooks, ejournals, open access resources, Ebsco Discovery Service (EDS), printing, photocopying, inter-library loans, access to subject librarians, information literacy training sessions, online information skills tutorials, referencing, quiet and group study facilities, PC and internet access. LIT library is committed to continually developing our services and facilities to meet the needs of our users.

Computer Services

LIT’s Computer Services Department provides all Information and Communications Technology (ICT) requirements for the Institute across our campuses. Computers play a major role in every programme in LIT and we strive to provide you with the best possible facilities to enhance your learning experience. Hundreds of open access computers are provided around the campuses and free wireless networks facilitate internet access with “bring your own device” (BYOD) capability almost everywhere while on campus. We will provide you with a user account to access all our services, including an LIT email address, which you can use anywhere. Student web portals and online learning systems are provided so that you can download programme notes and past exam papers.

At the Moylish campus, the main concentration of computers is in the Computer Centre which is open from 8am to 10pm and you can also find Helpdesk services in this area. Staff at the Helpdesk are available to assist you with any queries or IT issues that you might have and are a great resource to help you get started with computing. At the Thurles and Clonmel campuses, computers are available in the libraries and the Computer Services team is also available to assist students with any queries. Once you are registered, you will have access to the Student Portal where you can find all the information that you need on Computer Services, including details of student laptop schemes, software offers and other IT deals. For further information, contact the Computer Services Department Helpdesk at: helpdesk@lit.ie or 061 293100.

Campus Restaurants

Restaurant facilities are available across all campuses and serve a variety of hot meals and other refreshments at competitive prices. The student canteens aim to provide affordable food of a high nutritional value. Several vending machines also offer a variety of snacks and beverages. The ‘Green Rooms’ dining space at the main campus in Moylish, Limerick has recently benefited from a major investment transforming the student canteen into a vibrant, social learning space.

Banking Services

AIB has a full branch at the Moylish Park campus which provides a complete range of banking services. ATM services are available at the Clare Street and Thurles campuses.

Wired FM Radio Station

Students have an opportunity to get involved in LIT’s college’s radio station – Wired FM. LIT and Mary Immaculate College host a joint community interest radio station and each college broadcasts from its own studio. Licensed by the BCI and broadcasting on 99.9FM during the academic year, it transmits over 40 hours of programming weekly - from student current affairs to music, arts, comedy and film shows. Alumni of the station have gone on to work in RTE, Today FM, Newstalk, Spin and several other stations and media companies both in Ireland and abroad. Check out their Facebook page at: Facebook.com/WiredFM
A happy college experience contributes to a successful college experience and your college journey will be enhanced by the new people you meet and the new friends you make, new experiences you encounter and the fun you have!
Alongside a vibrant academic environment, LIT boasts a lively clubs and societies scene, ensuring that many sporting interests are catered for and all students are encouraged to get involved in the numerous extra-curricular activities across the campuses. Our clubs cater for all levels of activity and you can get involved at your own pace, whether you are an elite athlete, a beginner or just looking to get fit and have fun. We participate in many inter-varsity competitions allowing students to represent the college in national competitions.

For first year students in particular, joining a club or society is a great way to make new friends and meet people with similar interests and helps to make the transition from school to college easier. Involvement in a club or society also helps you to develop other valuable skills alongside your academic skills, such as leadership skills through committee involvement, experience in event management and much more.

Clubs and activities include Hurling, Camogie, Men’s and Ladies Gaelic Football, Men’s and Ladies Rugby, Men’s and Ladies Soccer, Golf, Outdoor Club, Boxing, Weightlifting, Judo and Basketball….to name but a few, as well as activities such as Aerobics, Boxercise and Yoga. ‘Freshers Week’ takes place at the beginning of each academic year and is the main recruitment time for clubs and societies, when you can find out more about their activities and sign-up. New clubs and societies are always encouraged. For more information on Sports at LIT, see www.lit.ie/sports

In addition to sports clubs, there is a diverse range of societies for students to join, such as the Movie and Photography Societies, International and Computer Societies, Green Campus Committee and the GIVE initiative. Students also take part in many events during the year to support local charities.

Sports Facilities

LIT has an impressive range of sports facilities for students, including three full size pitches and an all-weather playing pitch. In Limerick, we have a fitness centre and indoor sports hall. While development of sports facilities is on-going at Thurles and Clonmel, students have access to a wide range of sports facilities in both towns.

A purpose built state of the art strength and conditioning building – the ‘LIT SportsLab’ is located at the Thurles campus. Among the facilities available in the 2,000 sq. metre facility are a 3D Organic Motion Capture System for motion analysis; a 45m, six lane sprint track specifically designed to improve speed; a paralympic area, cable machines; a range of sport technology systems, including micro electro mechanical systems and GPS systems; Olympic lifting platforms; functional screening kits; weights and the full range of exercise machines. The superb facility is designed to support students enrolled on our sports programmes, as well as college teams.

Sports Scholarships

LIT’s Sport Scholarship Scheme allows LIT students who are at the forefront of their chosen sport to apply for a range of supports. In 2017, LIT awarded over 60 bursaries; nine bursaries were awarded by the Munster GAA Council. The bursaries are not aimed solely at elite players, but are open to all individuals that take part in coaching and administrative roles in all clubs across the college. Further information on Sports Scholarships is available from the LIT Sports Office, or check out our CAO Hub at cao.lit.ie
Undergraduate Prospectus 2018/2019

How to Apply to LIT

Application for entry to first year of all programmes at LIT is through the Central Applications Office (CAO). Application packs are available from:

Central Applications Office, Tower House, Eglinton Street, Galway.
Tel: 091 509800
Web: www.cao.ie

The CAO publishes a joint handbook and application form. It is important that you read the information carefully and follow the directions given.

Key CAO Dates to Remember

1st February 2018  Initial CAO Application deadline (Also Mature Applicant closing date)
1st May 2018      Late CAO Application deadline
1st July 2018     CAO Change of Mind deadline
Main Application Types to CAO

**Standard Applications**
A standard application is categorised as an application from:

1. A person presenting Leaving Certificate or QQI/FET/FETAC LEVEL 5/6 examinations to meet minimum entry requirements and
2. Has no previous experience of third level education, and
3. Is not of mature years

**Non-Standard Applications**
A non-standard application refers to applicants who are required to provide additional information when applying to CAO. The main categories of non-standard applicants are:

- Mature applicants
- GCE/GCSE applicants
- Holders of other School Leaving examinations
- Further Education (other than QQI/FET/FETAC) applicants
- Previous higher education

Applicants will be notified about the nature and time of any assessments or other requirements during the period February – April (for those who apply by 1st February), and during the period May - July (for those who apply by 1st May or include such courses under ‘Change of Mind’).

**Non-Standard/Mature Applications**
EU Nationals aged 23 before 1st January 2018 that wish to make a non-standard application:

Please ensure you indicate the nature of your case on your application to the CAO before February 1st. The Institute may at its discretion extend the closing date for Mature Applicants to 1st May for specific programmes only. Applicants are advised to contact the Admissions Office at LIT for a list of such programmes.

Although the Institute will try to assess all non-standard applications and offer courses on the basis of information provided, it reserves the right to call non-standard applicants to the Institute for an interview. For further information, see [www.lit.ie/admissions](http://www.lit.ie/admissions)

Applications to Year 2, 3 and 4 of all programmes

**Closing date for Advanced Entry Candidates (External Transfers)**
1st May 2018

**Closing date for Internal Transfers**
31st May 2018

**Limerick Admissions, apply to:**
Admissions Office, LIT, Moylish Park, Limerick.
Tel: 061 293262
Email: admissions@lit.ie

Applications received after 1st May will only be considered for places as vacancies arise.

**Tipperary Admissions, apply to:**
Admissions Office, LIT Thurles Campus, Nenagh Road, Thurles, Co. Tipperary
Tel: 0504 28072
Email: tippadmissions@lit.ie

**Accumulation of Credits and Certification of Modules (ACCS)**
This is an innovative scheme whereby programmes or constituent modules of programmes may be offered on a single-module basis. Module certificates are awarded to successful participants and credits are accumulated towards a full award. The programme is especially suitable for adults and people in industry generally, with limited time available for attendance and study, but who require access to the educational system. Pro-rata fees will apply to ACCS learners. Note: 1st Year ACCS learners must apply through the CAO.
Entry Requirements

This section sets out the standard required for entry to programmes at Limerick Institute of Technology (LIT). If you do not meet these, you cannot be offered a place, even if your points are higher than the minimum. You may combine results from more than one sitting of the Leaving Certificate for the purposes of qualification only.
New Leaving Certificate Grading Scale and revised Common Points Scale

The Department of Education and Skills introduced a new Leaving Certificate grading scale in 2017. As part of this process, it was agreed to change how the Leaving Certificate examinations are graded, using fewer broader grade bands. The 14-point grading scale in operation prior to 2017 has been replaced by an 8-point scale as follows:

<table>
<thead>
<tr>
<th>New Grades</th>
<th>% Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1 / O1</td>
<td>90 – 100</td>
</tr>
<tr>
<td>H2 / O2</td>
<td>80 – 90</td>
</tr>
<tr>
<td>H3 / O3</td>
<td>70 – 80</td>
</tr>
<tr>
<td>H4 / O4</td>
<td>60 – 70</td>
</tr>
<tr>
<td>H5 / O5</td>
<td>50 – 60</td>
</tr>
<tr>
<td>H6 / O6</td>
<td>40 – 50</td>
</tr>
<tr>
<td>H7 / O7</td>
<td>30 – 40</td>
</tr>
<tr>
<td>H8 / O8</td>
<td>0 – 30</td>
</tr>
</tbody>
</table>

The scale now has 8 grades, the highest grade is a Grade 1; the lowest grade is 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.

Leaving Certificate

For students with Leaving Certificate qualifications, the minimum entry requirements for entry to the first year of programmes are as follows, however, applicants should also check for the specific requirements given on each programme page.

Higher Certificate (Level 6) programmes

You must have 5 O6/H7 grades or higher at Ordinary level in five Leaving Certificate subjects. Two of these subjects must include: *Mathematics and a Language (English or Irish). In practice, entry levels are significantly above the minimum and points are calculated from the six best subjects from one sitting, which for Level 7 programmes must be greater than 140 points.

Bachelor Degree (Level 7) programmes

You must have 5 O6/H7 grades or higher at Ordinary level in five Leaving Certificate subjects. Two of these subjects must include: *Mathematics and a Language (English or Irish). In practice, entry levels are significantly above the minimum and points are calculated from the six best subjects from one sitting.

Honours Bachelor Degree (Level 8) programmes

You must have 2 H5 grades or higher in two Higher level subjects, together with 4 O6/H7 grades or higher in four other Ordinary level subjects in Leaving Certificate subjects. Two of these subjects must include: *Mathematics and a Language (English or Irish). In practice, entry levels are significantly above the minimum and points are calculated from the six best subjects from one sitting.

*Foundation Level Mathematics will only be accepted, as meeting the Mathematics requirement for programmes listed in section ‘Foundation Level Mathematics’.

Calculation of Points

Limerick Institute of Technology will award points for Leaving Certificate grades based on:

1. Points are counted for best six subjects.
2. Points are counted from only one sitting of the Leaving Certificate.

Leaving Certificate grading scale (introduced in 2017):

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1</td>
<td>100</td>
</tr>
<tr>
<td>H2</td>
<td>88</td>
</tr>
<tr>
<td>H3</td>
<td>77</td>
</tr>
<tr>
<td>H4</td>
<td>66</td>
</tr>
<tr>
<td>H5</td>
<td>56</td>
</tr>
<tr>
<td>H6</td>
<td>46</td>
</tr>
<tr>
<td>H7</td>
<td>37</td>
</tr>
<tr>
<td>H8</td>
<td>0</td>
</tr>
</tbody>
</table>

For students who sat the Leaving Certificate from 1992–2016, points will be awarded as follows:

<table>
<thead>
<tr>
<th>Current (Pre 2017 LC Grading Scale)</th>
<th>New Leaving Certificate Grading Scale</th>
<th>New Points at Higher Level</th>
<th>New Points at Ordinary Level</th>
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<tr>
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<td>H1 / O1</td>
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<td>A2</td>
<td>H2 / O2</td>
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<td>H4 / O4</td>
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<tr>
<td>C2</td>
<td>H6 / O6</td>
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<td>D2</td>
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Bonuses Points for Honours Mathematics

25 bonus points will be awarded to any CAO applicant who has gained a grade H6 or higher in Leaving Certificate Honours Mathematics.
Entry Requirements

Foundation Level Mathematics
Foundation level Mathematics at Grade F2 or higher is acceptable as meeting the Mathematics requirement for the following programmes at LIT:

- LC372/LC270  Music Technology & Production
- LC371/LC276  Creative Broadcast & Film Production
- LC292  Social Care Work (Limerick)
- LC402  Social Care Work (Thurles)
- LC602  Social Care Work (Ennis)
- LC432  Early Childhood Care & Education
- LC296  Hotel Front Office Management
- LC298  Culinary Arts
- LC299  Hospitality Studies
- LC294  Business Studies with Event Management
- LC293  Business Studies with Travel & Tourism Management
- LC295  Business Studies with Sports Management (Limerick)
- LC421  Business Studies with Sports Management (Thurles)
- LC228  Sports Development & Coaching
- LC290  Sports & Community Development

Foundation Level Irish
Foundation Level Irish at grade F2 will meet the minimum language requirement.

Admissions and the DARE Scheme
LIT is a member of the Disability Access Route to Education (DARE) Scheme.

School-leavers with a disability applying for full time undergraduate programmes at LIT should apply via the Central Applications Office (CAO), indicating on their application that they have a disability or specific learning difficulty.

What is the DARE Scheme?
The Disability Access Route to Education (DARE) is a third level alternative admissions scheme which offers reduced points places to school leavers who as a result of having a disability have experienced additional educational challenges in second level education. The DARE Code of Practice details LIT’s admission policy for eligible DARE applicants. Detailed information is available on the DARE website at www.accesscollege.ie/dare

Who can apply to DARE?
DARE is for school leavers under the age of 23 as of 1st January 2018, who have the ability to benefit from and succeed in higher education, but who may not be able to meet the points for their preferred course due to the impact of a disability on their second level education. Applicants to DARE can present with an Irish Leaving Certificate, A-Levels and other EU qualifications.

How do I apply to DARE?
Before submitting a DARE Application you should read the DARE Application Guide & Workbook and discuss this with your parents, guardians or guidance counsellor. Applicants wishing to apply to DARE should do so online through the CAO by 1st February 2018.

Full instructions on how to apply to the DARE Scheme are available on the DARE website at www.accesscollege.ie

Please note the following key points when applying to DARE.

Applicants must:
1. Be under the age of 23 as of 1 January 2018.
2. Apply to the CAO by 17:15 on 1 February 2018.
3. No later than 17:15 on 1 March 2018, disclose your disability and/ or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (SIF). To apply to DARE, you must answer YES to Question 1 ("Do you wish to be considered for DARE?") on Section A of the fully completed SIF by 17:15 on 1 March 2018.
4. Download Section B Educational Impact Statement (EIS) and have your school complete the form. Return the EIS to the CAO to arrive by 17:15 on 1 April 2018.
5. Download Section C Evidence of Disability, and have it completed by the appropriate medical professional (only if you do not already have a report verifying your disability that meets the DARE criteria). Return it to the CAO to arrive by 17:15 on 1 April 2018.

Qualifications other than the Leaving Certificate

QQI-FET/FETAC
LIT accepts QQI-FET/FETAC awards for entry on all programmes of study. The following minimum entry requirements will apply to graduates of QQI-FET/FETAC qualifications who are seeking admission to programmes at Limerick Institute of Technology:

Higher Certificate (Level 6)
Minimum entry: A full QQI FET/FETAC Level 5 award totalling 120 credits.

Ab-initio Bachelor Degree (Level 7)
Minimum entry: A full QQI FET/FETAC Level 5 award totalling 120 credits.

Ab-initio Bachelor Degree (Level 8)
Minimum entry: A full QQI FET/FETAC Level 5 award totalling 120 credits and including a Distinction grade in at least three modules.

Please note that special requirements may exist for particular programmes, for example, a requirement for a particular subject such as Mathematics.
A full FETAC award normally contains 8 modules. A full award may be accumulated over more than one academic year. In such cases, it is the responsibility of the applicant to contact QQI FET/FETAC for a full award where programmes are taken over more than one year. A QQI FET/FETAC Level 5 or Level 6 Record of Achievement does not meet the minimum entry standards.

The maximum possible total score will be multiplied by 13 and divided by 12, to give a maximum overall points score of 390 for applicants from further education and training.

If a QQI FET/FETAC applicant also presents a Leaving Certificate, the CAO will use whichever is the better. Applicants to Restricted Application programmes or programmes where a Portfolio is required will have their Portfolio Score added to their QQI FET/FETAC Score.

Leaving Certificate Vocational Programme (LCVP)

Students apply through the CAO in the normal way. The LCVP module will be considered as a passing module provided the applicant achieves at least a pass grade. This will apply for entry to Honours Degree (Level 8), Ordinary Degree (Level 7) and Higher Certificate (Level 6) programmes. With the introduction of the new Leaving Certificate grades, points will be awarded for LCVP Link Modules as follows:

Pass: 28 points  Merit: 46 points  Distinction: 66 points

Leaving Certificate Applied Programme (LCA)

The LCA subjects do not meet the minimum entry requirements for admission to academic programmes at LIT and are not considered passing subjects. Holders of the Leaving Certificate Applied programme may wish to undertake a QQI FET programme in order to gain eligibility for entry to third level programmes at LIT.

Mature Applicants

LIT welcomes and encourages participation from mature learners in its programmes and will accept applications from persons of mature years. To be considered as a mature applicant, you must be at least 23 years of age on 1st January of the year of entry to an undergraduate programme.

Such applications, together with documentary proof of relevant work experience and/or qualifications which they wish to have considered, should reach the CAO on or before 1st February, in year of entry to a programme. The Institute may at its discretion extend the closing date for Mature Applicants to 1st May for specific programmes only. Applicants are advised to contact the Admissions Office at LIT for a list of such programmes.

For further information on applying to LIT as a mature applicant, contact:

Admissions Limerick: Email: admissions@lit.ie
Tel: 061 293262

Admissions Tipperary: Email: tippadmissions@lit.ie
Tel: 0504 28072

Advanced Entry to Year 2, 3 or 4 of Programmes

Advanced Entry is possible to year 2, 3 or 4 of LIT programmes where sufficient entry requirements are met. All Admissions and Progressions are subject to availability of places on the programme applied for and applicants are ranked in order of merit. Advanced Entry for places to programmes other than Year 1 should be made directly to the Admissions Office at LIT. Email: admissions@lit.ie

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LIT is a popular choice for international students and our community of international students is growing considerably. This is due to LIT’s philosophy of active learning, which combines the best academic teaching with practical, hands-on learning activities at the leading-edge of industry demands in engineering, science, technologies and business. We offer greater personal attention from our teachers and staff than many other third level institutions. Our welcoming, friendly, and multicultural campus community enables you to expand your network of friends and professional contacts globally, whatever your field of studies. We invite you to join our growing international community.
Why is LIT one of the best study destinations for overseas students?

- Welcoming, multicultural learning environment
- Internationally recognised qualifications ranging from Higher Certificate to Ph.D. level
- All programmes are delivered in English; the spoken language throughout Ireland and the language of international business and trade.
- Unique programmes combining complementary topics to give you the specific skills to begin your career: Civil, Electrical & Electronic Engineering; Sciences and Pharmaceutical & Forensic Analysis; Computer Technologies, Multimedia Programming & Design, Creative Broadcast & Film Production; Marketing & Management; Accounting & Finance; Social Care, Tourism & Hospitality and more.
- National and international work placements/internships, including NASA, Microsoft, Intel, Kentz Engineering, Johnson & Johnson, Analog Devices and many more.
- Student support services include free extra tuition in Maths, IT, and English Language, fitness centre, student health centre, on-campus banking and more.
- Purpose-built student accommodation right beside our college campus located in the historic city of Limerick, itself set in one of the world’s finest regions of greatest natural beauty and scenic landscape.
- LIT is dynamic and varied in its offering of opportunities to indulge your desires for cultural, social, sporting and outdoors activities.

Entry Requirements

You must meet the Institute’s general requirements and the specific requirements of the programme. Our International Office is experienced at assessing international qualifications and are available to advise on setting-out your course interests, your current qualifications, and your current level of English. Contact international@lit.ie

English Language Competence

Since all our programmes are conducted through the medium of English, it is essential to have high level comprehension and writing skills. If English is not your first language you will be required to demonstrate that you have the competence to undertake study through English by presenting evidence of achievement in IELTS, TOEFL, or the Cambridge test.

Undergraduate: The minimum English language requirement for first year applicants is an IELTS score of 5.5. Applicants with IELTS 5.5 are recommended to undertake LIT’s English language evening course. The minimum English language requirement for advanced entry (years 2, 3 or 4) is an IELTS score of 6.0.

For further information, visit: www.lit.ie/international
Living Costs
As well as your tuition fees, you will need to cover the cost of your flights, accommodation, food, heating, travel, clothing, books, and personal items. One of the largest items of expenditure for you will be your accommodation costs and you need to keep in mind that these are not included in your tuition fees.

Study abroad for LIT Students: ERASMUS+ Exchange Programme
LIT has a long and successful association with the ERASMUS+ programme. Every year, students travel to study at LIT from across the European Union while LIT students avail of the opportunity to study at our EU Partner Institutes. LIT is recognised by the European Union as a University Institute with significant activity on the ERASMUS+ programme. We hope to encourage even more students this year to take up a study abroad period in Europe and beyond.

LIT Students opting for a study exchange will complete a semester or full academic year of their studies at any of the institutions with which LIT has an ERASMUS+ partnership agreement. These studies are fully recognised by LIT by transferring your grades and learning back into our own system through the European Credit Transfer System.

Benefits
- The chance of a lifetime to study elsewhere in the EU
- Experience other societies, cultures, and ways of life
- Improve your language skills
- Enhance your personal development, growth, confidence, and broaden your global perspectives
- Expand your network of friends and professional contacts
- Experience other perspectives and learning environments in your chosen field of study
- Enhance your employability and preparedness for work in a global economy

How to Apply
The LIT International Office is responsible for co-ordinating the ERASMUS+ programme. Further details are available on our website: www.lit.ie/international or by emailing: erasmus@lit.ie

We would advise all LIT students considering this opportunity to first contact their course leader to secure their approval in principle and to conduct their own initial research on programmes elsewhere in the EU that will closely match your programme of learning here at LIT for the time that you would wish to go. Then come and discuss the various practical and administrative arrangements that need to be made – International Office will assist you with that.

Contact
LIT International Office, Block 15, Moylish Park, Limerick, Ireland.
Tel: +353-61-293400
Email: international@lit.ie or erasmus@lit.ie
Money Matters - Fees, Grants & Costs

All costs outlined hereunder are those relevant in 2016/2017 and are approximate.

Note: information in this section was correct at the time of print; however, this information is subject to change.

Tuition Fees

Currently, tuition fees at LIT are covered by the terms of the government’s Free Fees Scheme. Under this scheme, the government pays tuition fees for full-time, non-repeat undergraduate students from Ireland and other EU countries that have been resident in an EU country for three of the last five years. For further information, see [www.studentfinance.ie](http://www.studentfinance.ie)

Applicants who do not qualify for free Tuition Fees

Any applicant who does not meet the above criteria will be deemed an Overseas Applicant and will be liable to pay the Non-European Tuition Fee in addition to the Student Contribution Fee.

Non EU applicants should contact LIT’s International Office at: international@lit.ie for details of relevant fees. Applicants classified as liable to pay this fee will not be permitted to change their fee status following admission. In addition, the following groups do not qualify for free tuition fees:

1. Persons who already hold a Degree.
2. Persons who have completed more than the first year of a Degree level programme and who are now entering a Higher Certificate/Ordinary Degree programme.
3. Persons who have already attended an Honours Degree programme and are now entering another Honours Degree programme.
4. Persons who are undertaking a repeat year of study.
5. Persons who have already completed a two year Higher Certificate (or Ordinary Degree) programme are not eligible for free tuition fees in respect of a further two year Higher Certificate or three year Ordinary Degree programme.

Student Contribution Fee

A Student Contribution Fee is payable by each student, which covers Student Services, Registration, Examination Fees, etc. In addition, there is currently a Class Materials Fee for students in Art and Design and Science programmes and this fee may be extended to other programmes for the 2018/2019 academic year and subsequent years. These payments must all be paid at the time of Registration, and are subject to change without prior notice and are outside the control of the Institute. For further information, see [www.susi.ie](http://www.susi.ie)

Students who qualify for a Maintenance Grant will be refunded their Student Contribution Fee. Class materials fees are non-refundable.

Student Grant Scheme

The student grant is the main source of financial assistance available from the Irish State for students in full-time higher education undergraduate/postgraduate programmes. Students on part-time programmes, access or foundation programmes (in higher education institutions) and short programmes are not eligible to apply for a student grant. For eligible students, a student grant is intended to assist with some of the various costs involved in going to college. Family and/or personal income is a key factor that will be assessed when applying for a maintenance grant, alongside some other conditions.

If you think you are eligible for a student grant, you should apply for it as soon as possible. You do not have to wait until you receive an offer of a place or enrol in college. Only when your application has been completed in full and submitted to the grant-awarding authority can your eligibility be determined. Full details on student grants and finance, including associated legislation and application forms are available at [www.susi.ie](http://www.susi.ie)

At LIT, we are very aware of the financial difficulties faced by many students. While Irish and other EU students are generally not required to pay tuition fees, there are many additional financial pressures for students such as the cost of accommodation, travel, food, utility bills, etc. For most students, starting college coincides with moving away from home for the first time and trying to manage on a budget. You will have most outgoings at the start of the year, so it is important to budget for books, class materials and rent deposits, as well as day to day living costs.

Students can avail of special travel rates from the national transport companies and chartered buses. Season tickets are available on some routes. Irish Rail and Bus Éireann offer special train and bus fares to students (subject to certain conditions). For further information on fees, grants, etc, contact the LIT Grants & Fees Office at 061 293366 or email: studentfees@lit.ie
Accepting Your Place at LIT

Registration

Following the closing date for acceptance of a place with the CAO, the Institute will issue details of registration procedures which must be fully completed and returned by the date indicated on the notice. All fees must be paid by the relevant date(s) or students will not be permitted to register. The only exceptions will be where documentary proof of eligibility to grant-aid is provided in advance of registration. Where students fail to register within the deadline, the Institute will offer the place to the next person on the waiting list at the next round of offers.

Students with Disabilities and/or Specific Learning Difficulties

Limerick Institute of Technology is committed to Equality of Opportunity and values the participation of all students. Students with special requirements should contact the Disability Officer, Broze O’Donovan at 061 293112, in advance of registration to agree the supports needed. While there is no obligation to discuss your disability, we recommend that you contact us in advance – from experience, we have found that this greatly reduces stress for students during the first weeks of term.
Deferring a Place on a First Year Programme

An applicant who receives an offer of a place and who wishes to defer taking it for one year must seek the agreement of the Institute. Such agreement is not guaranteed and is totally at the discretion of the Institute. The deferral is conditional on the programme continuing in subsequent years, as programmes can be discontinued from time to time, without prior notice.

Deferral Procedure for Year 1

On receipt of an offer notice:

1. Do not accept the offer in the manner shown on the Offer Notice.

2. Write or E-mail to the LIT Admissions Office. Give your name as it appears on your CAO application, quote your 2018 CAO Number and the Course Code of the offer you wish to defer, and set out the reason(s) for the request. Mark the envelope or email clearly ‘Deferred Entry’. All communications about deferral must go to the Admissions Office of the Institute and NOT to the CAO.

3. The letter or email must arrive in the Admissions Office of the Institute at least two days before the ‘Reply Date’ shown on the Offer Notice.

4. The Institute will communicate the decision to the applicant.

5. In order to take up the deferred place, the applicant must re-apply through the CAO in the succeeding year by February 1st, placing the deferred programme as the only preference on the application form and also write to the Institute and advise that they will be taking up the place.
Choosing the right programme is the first step towards your future career and LIT, we have designed our programmes in a flexible way that enables students to exit programmes at various levels. There are three entry levels to LIT at undergraduate level.

- Higher Certificate (Level 6) programmes
- Bachelor Degree (Level 7) programmes
- Honours Bachelor Degree (Level 8) programmes

Students who enter LIT at any level, can either choose to graduate at that level or progress to the next level, assuming the required grades are achieved (and progression programme available).

For example a student who enters LIT at Higher Certificate Level 6 graduates on successful completion of Year 2 and can either progress to an add-on Level 7 Degree programme or exit the programme. Successful completion of a Level 7 Degree programme allows students to advance to a Level 8 Honours Degree. Students that successfully complete Level 8 Honours Degree programmes are eligible to progress to postgraduate programmes.

All programmes at LIT fit within the National Framework of Qualifications (NFQ) – the official system of qualification recognition in Ireland. The NFQ, which consists of ten levels is used to describe the Irish qualifications system and allows students and employers to compare and contrast the level and standard of different qualifications and to ensure that they are quality assured and recognised at home and abroad. In the programme information section of this publication, the programme level and award type to which each programme leads is outlined.
LIT Faculties & Departments

Programme information is detailed in the following sections:

Limerick School of Art & Design
Department of Fine Art
Department of Design
Clare Street (Limerick) & Clonmel Campuses

Faculty of Applied Science, Engineering & Technology
Department of Applied Science
Department of Electrical & Electronic Engineering
Department of Mechanical & Automobile Engineering
Department of the Built Environment
Department of Information Technology
Moylish Park (Limerick) & Thurles Campuses

Faculty of Business & Humanities
Department of Business
Department of Sport
Department of Applied Social Sciences
Department of Food & Tourism
Moylish Park (Limerick), Thurles, Clonmel & Ennis Campuses
Once I tried the Graphic Design Communication module in first year I was hooked and knew that this is what I wanted to do. I then chose the BA in Graphic Design Communication for my final three years.”

Tom Foley
Senior Typographic Advisor, Dalton Maag
## Undergraduate Programmes

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## Postgraduate Programmes

- Professional Masters in Education (Art and Design with Digital Media)
- MA/MFA in Social Practice and the Creative Environment (Level 9)
- Master of Arts in Art & Design Education (Level 9)
- Master of Arts in Interdisciplinary Design Practice (Level 9)
- MA & PhD by Research & Thesis (Level 9 & Level 10)

Details of Postgraduate Programmes are available in our Postgraduate Programmes Handbook or see www.lit.ie/postgraduate
Limerick School of Art & Design (LSAD) is a world renowned centre of fine art and design with an award winning reputation.

We offer Honours Degree (Level 8) programmes in Design – in Fashion, Graphic Design Communication, Ceramics, Fashion and Textiles for Product and Costume, Animation and Motion Design, and in Fine Art – in Painting, Print Contemporary Practice, Sculpture & Combined Media and Photography, Film, Video. On our Clonmel campus, we also offer undergraduate programmes in Game Art & Design, Digital Animation Production and Creative Media and Design.

The college also has a dedicated Centre for Postgraduate Studies which offers a number of postgraduate courses of study; a Professional Masters in Education (Art and Design with Digital Media), an MA/MFA in Art and Design (Social Practice and the Creative Environment), an MA in Art and Design Education, an MA in Interdisciplinary Design Practice and research accreditation for research postgraduate programmes (in fine art, design and curatorial studies) up to Masters (Level 9) and PhD (Level 10). For more details see www.lit.ie/postgraduate

A significant factor in LSAD’s success story is the student-oriented philosophy. Incoming students of first year Art and Design (LC110) share a common first year which allows them to experience different areas in fine art and design which informs their final selection of a discipline.

Today, LSAD offers an attractive option to students of fine art and design. Its significant history and dynamic reputation make it an appealing choice for students. Graduates include artists John Shinnors, Jack Donovan, Donald Teskey and Nevan LeHart and designers Joanne Hynes, Una Burke, Richard Seabrooke and Karen Morgan. The long history of student success in national and international art and design competitions shows the high creative standards of the student body. These competitions include the Triumph International Awards, Persil Fashion Awards, Gillette Venue Awards, the Golden Egg Awards, the AIB Fashion Bursary and the Institute of Designers in Ireland Graduate Design Awards. Students have also worked on a number of outstanding fine art public commissions with partners in Limerick Civic Trust, City of Culture and the Emergency Services.

Please feel free to drop in and view the LSAD Gallery, which frequently hosts exhibitions of art and design. More formal tours can be arranged by appointment.
Art & Design
Progression Opportunities

Postgraduate Programmes
(Level 9 & Level 10)

4 years ab-initio
Level 8 Honours Degree or 2 year add-on Honours Degree
LC114 Fashion and Textiles for Product and Costume

First Year Art & Design + 3 Years
• Painting
• Photography, Film, Video
• Print Contemporary Practice
• Sculpture & Combined Media

First Year Art & Design + 3 Years
• Animation & Motion Design
• Ceramics
• Fashion
• Graphic Design Communication

4 years ab-initio
Level 8 Honours Degree
LC502 Game Art & Design
(LSAD Clonmel Campus)

4 years ab-initio
Level 8 Honours Degree
LC518 Digital Animation Production
(LSAD Clonmel Campus)

4 years ab-initio
Level 8 Honours Degree or 1 year add-on Honours Degree
LC517 Creative Media & Design
(LSAD Clonmel Campus)

3 years
Level 7 Degree
LC504 Creative Media & Design
(LSAD Clonmel Campus)

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Programmes LC110 First Year Art & Design (Common Entry), LC518 Digital Animation Production, LC502 Game Art & Design, LC111 and LC114 Fashion and Textiles for Product and Costume require applicants to successfully complete a Portfolio for Assessment prior to entry.

The Portfolio Assessment is to determine your creative suitability and will consist of a review of your portfolio and a written assignment which helps to determine your comprehension of contemporary art and design practice. The portfolio will be scored out of 600 with a minimum score of 240 required. Only those who are successful at this stage will be considered for places. As the number of applicants who are successful after the Portfolio Assessment is normally greater than the number of places available, the system of final selection is done on the basis of points. The portfolio score will be added to the Leaving Certificate score to rank you for entry. In the case of Mature Applicants, an offer is made on the aggregated assessment result of the portfolio together with the Mature Suitability form to rank you for entry.

A successful portfolio should adhere to the following guidelines:

1. Make it Exciting: Make your Portfolio reflect how enthusiastic you are about the prospect of studying Art & Design. Choose only your best work; work that expresses your skills, your abilities, your interests, your personality.

2. Careful Presentation: You don't have to spend lots of money on expensive presentation boards, mounts and sleeves, but all work will look better if it is carefully presented. Take time to order your portfolio into a neat, tidy and well-presented representation of your work. Order your work logically; you can do this chronologically, by theme, or by medium, for example.

3. Be selective: Don’t put everything in. We will only look at a maximum of 15 sheets. These sheets may, however, contain more than one image, drawing or photograph of 3D work. (If your portfolio contains more than 15 sheets you may be asked to withdraw work. Please avoid the embarrassment, by adhering to the 15 sheet limit.)

4. Sketchbooks: Please include a maximum of three sketchbooks. These should contain analytical studies which explore and investigate aspects of your environment.

5. Don’t forget unfinished work or work-in-progress. If relevant, these can be worth including. It’s a good idea to attach sketches or plans to the finished work, (with a paper clip) to show that they are part of the same work.

6. Don’t leave out large work or 3D work: If you want us to see large work or 3D work, which you have made, just include a good quality photograph of it.

7. Label it: Make sure your name is on the front of your closed portfolio, and neatly label all the work inside, on the reverse side, with titles, where relevant, and approximate dates.

8. Your Assignment: Be sure to include your portfolio assignment. This forms part of your portfolio assessment and must be included in your portfolio.

How to Apply
All applications should be made through the Central Applications Office (CAO). Application forms are available from the CAO in Galway or online at www.cao.ie. All applications to Art & Design must be sent to the CAO prior to February 1st of the year of application. No late applications will be accepted. Approximately one week after the closing date of applications to the CAO, the LSAD Administration Office will send applicants an appointment to attend for a portfolio assessment in Limerick School of Art & Design. The portfolio assessment is carried out by a team of Art and Design staff. The applicants are greeted in groups and given an introduction to the School of Art & Design and the facilities. The Students’ Union is available to assist with guided tours during the time of portfolio assessment. Assessments may be held in either LSAD, Clare Street, Limerick or LSAD Clonmel, Co. Tipperary. Portfolio assessment results are notified to applicants by the LSAD Administration Office. The Institute will try to assess all non-standard applications on the basis of information provided, but it reserves the right to call such applicants to the Institute to assess their cases.

Mature Applications
Mature students (any EU National over the age of 23 before 1st January of the year of application) must indicate such on their application to the CAO. All applications from mature students must be sent to the CAO prior to the official CAO closing dates set for the year of application. No late applications will be accepted. All mature applicants must, where required, present work for portfolio assessment and complete a Mature Applicant suitability form. Portfolio assessments look at the level of commitment, creativity, competence, comprehension, investigation, efficiency in the portfolio of work submitted, while the Mature Applicant suitability form evaluates applicant ability to successfully complete the academic subjects of the programme.
First Year Art & Design
(Common Entry)

What is the programme about?
The programmes at LSAD aim to assist students to become confident, articulate, informed, creative and expressive practitioners, who will be capable of making significant contributions in their own particular fields of contemporary culture. The Year One Art and Design (Common Entry) programme begins this process by providing students with the necessary stimuli to encourage self-confidence, self-motivation, and an appetite for knowledge, which will drive their creative practice. Year one recognises the wide variety of backgrounds from which it draws its students. It recognises ethnic, cultural and gender diversity which are the basis of individual originality. The programme endeavours to provide students with the necessary skills, vocabulary and contextual knowledge to progress to second year of honours degree studies. Through an extensive line-up of lectures, seminars and demonstrations, the Year One programme introduces students to the most current issues in Art and Design, through the first hand experiences of contemporary practitioners.

LSAD is the largest centre for Art and Design outside of Dublin and has an award-winning reputation both nationally and internationally.

Who is the programme suited to?
Year One Art & Design is a diagnostic year, where students find their niche and can avail of staff guidance to find the discipline they are best suited for in art and design.

Modules

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
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<tr>
<td>is designed to introduce students to the working methodologies, the vocabulary, and the contemporary context of Art and Design. This is achieved through engagement in a broad-based, practical Studio Project. This project is introduced to students during Orientation Week. Throughout the project, students are introduced to a series of skills, technical processes, and conceptual considerations, by means of Seminar/Demonstrations each week. Students are encouraged to apply these skills, processes and concepts to the development of their studio project where applicable. Core areas in Semester 1 are 2D Studies, Digital Media, Concept Development and Contextual Research Studies.</td>
<td></td>
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<td>is designed around helping students make the appropriate choice of specialisation, which will form the basis of their further studies at LSAD and in turn their future careers as artists and designers. At the end of semester one, students select three specialisations. Each student then has a two week practical introduction to the area they have chosen. At the end of this six week period, there are progress reviews. After the end of the progress reviews, there is a week of feedback and tutorial advice where staff individually meet students to discuss progress and make recommendations. At this point, the student selects three areas of specialisation in order of preference. Based on an aggregated mark of the Semester One assessment and the combined score from the three electives the places on offer in Year 2 are distributed. Students then enter their Year 2 disciplines on provisional places.</td>
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What can I do after the programme?
Students choose to specialise in one of eight disciplines from 2nd year to 4th year.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including English or Irish. Mathematics is not a subject requirement for this programme.

A Portfolio is also required. Applicants will be accepted to Year 1 of the programme based on a combination of Leaving Certificate/QQI FET/FETAC results and Portfolio Assessment. The Portfolio will be scored out of 600 with a minimum score of 240 required to pass.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Mike Fox, Programme Leader
Tel: 061 293870
Email: mike.fox@lit.ie
Web: www.lit.ie/Courses/LC110

For information about Portfolios and application procedures, see: www.lit.ie/lsad/Apply

Facebook.com/LIT.LSAD
Twitter.com/LSADatLIT
Painting
Bachelor of Arts (Honours) in Fine Art

What is the programme about?
The BA (Honours) in Fine Art (Painting) is a four year programme. The distinct qualities which characterise the learning experience are active learning through the continual use of materials and processes in a studio environment. The studio environment is active as a place of individual visual research, making and presenting works and through this practice also enables peer learning.

Learning about art in the contemporary world and the experience of the practice of learning in a shared group context is central to the programme. The Painting programme is housed in purpose-designed spacious studios, with workshop studio and audio-visual demonstration seminar space. The lecturers and technical officers who deliver the programme are all professional working artists and this perspective ensures that the Painting programme is focused on the provision of knowledge which is up-to-date and relevant to the contemporary world.

Modules

Year 2: Students are given a comprehensive introduction to project based learning in studio painting practice. Progressing to Year 3, students are enabled to expand and diversify the range of technical and conceptual approaches through engagement with photography, video and collaborative project formats.

Year 3: International study is facilitated in Year 3 through the Erasmus programme. Students spend up to one semester in a European Fine Art school and incoming European students are integrated into the life of the department and in so doing, greatly enhance dynamic peer learning.

Year 4: In Year 4, students are mentored individually and through group formats of dialogue, critique and workshops to achieve a successful outcome of research and practice, exhibited in the final BA degree exhibition.

What can I do after the programme?
Graduates from this programme have pursued successful career paths in a wide variety of art and related fields, which bears testimony to the value of the Painting programme. Graduates can also progress to postgraduate and Masters level study. Some recent graduates have continued to progress their study on prestigious courses both in Ireland abroad.

Famous graduates of the Painting programme at LSAD include Conor Harrington, Amy O’Riordan, Amanda Coogan, Emmet Kierans, Ann Ryan, Diana Copperwhite and Nevan Lahart.
Photography, Film, Video
Bachelor of Arts (Honours) in Fine Art

What is the programme about?
In our media-saturated reality, it is easy to see why artists and curators look towards lens-based practice when producing or displaying artworks that describe the world in which we live. Even a cursory inspection of many contemporary art institutions and large-scale art festivals, such as the Irish Museum of Modern Art, Venice Biennale, Glasgow International, EVA International, Documenta, will reveal that the vast majority of works selected for these events are firmly grounded in lens-based practice.

Some of the world’s most successful artists in recent years work within this set of media and discourse. These include: Amie Siegel, Elizabeth Price, Ryan Trecartin, Hito Steyerl, John Gerrard, and Martha Rosler. With this in mind, the Photography, Film, Video programme aims to provide its students with the most cutting edge and relevant framework for producing contemporary fine art in the 21st century.

This programme offers an innovative and engaging education in what is a critically relevant discipline in Fine Art practice today and provides students with a diverse skillset that is at the intersection of contemporary art and digital media. This multi-disciplinary skillset is directly transferrable to many new media industries and conceptual art endeavour. It is an exciting programme that challenges students to engage with complex contextualised inquiry while realising these ideas with traditional and technological media.

New media technologies such as digital camera use, still and video editing, sound production and digital art making are integrated with traditional wet photography, installation art, and a varied mixed media aesthetic pursuit. Students develop a multi-faceted approach in their conceptual art practice. The programme is supported with access to state of the art equipment and editing suites, facilitated by nationally and internationally exhibiting lecturers and complemented by a high profile visiting lecturer programme.

Modules
- **Year 2:** This year aims to introduce students to the principles of Photography, Film, Video. Delivered through regular individual and group tutorials, seminars, workshops, fieldtrips, and a visiting lecturer programme, the module gives learning resources, time and space for students to develop and contextualise their individual projects. Special attention is given to the development of technical skills in the use of photography, lens-based media and related software.

- **Year 3:** Further develops students’ engagement with the principles of Photography, Film, Video leading to the presentation of a body of work for assessment. Students will continue to focus and develop research methods to stimulate in-depth, complex ideas and to integrate such thinking into daily artistic practice. An emphasis will be placed on the formulation of a concise methodology around the production of individual projects. Students will also continue to develop skills in photography, lens-based media, multimedia and related software programmes.

- **Year 4:** In this year there will be a combination of individual and group tutorials, seminars, workshops, professional practice and a visiting lecturer programme. This year gives learning resources, time and space for students to develop and contextualise a finished project involving the use of photography and lens-based media towards a final year BA degree exhibition. Students will focus and develop research methods to stimulate in-depth, complex ideas and to integrate such thinking into their practice. An emphasis will be placed on the presentation of a finalised project/exhibition that reflects and builds upon the technical and theoretical knowledge of each student.

What can I do after the programme?
Graduates will have a broad skill and knowledge base in photography, film and video technologies, including new digital technologies, their implications and practical uses, as well as a complementary knowledge of analogue processes that are still widely used by contemporary artists. Job opportunities include: Artist, Camera Operator, Editor, Colour Grader, Web Content Producer, Sound Technician, Audio Visual Technician, Special Effects, Curator, Art Critic/Writer.
Print Contemporary Practice
Bachelor of Arts (Honours) in Fine Art

What is the programme about?
The Print Contemporary Practice (PCP) programme has been developed with the needs of the student as core to the delivery of this fine art specialisation. The programme focuses on scaffold learning and teaching methodologies. The PCP workshop is housed on the ground level of the LSAD campus and has large spacious facilities dedicated to a wide range of printmaking processes. This provides a professional working space for students to develop a complex range of skills in printmaking, which is an ever expanding, and multi-faceted discipline.

To maintain a high level of expertise and compete with the worldwide changes and trends in printmaking as a practice the main aim of the programme is to study printmaking and all its related components at the forefront of research in this area. Students are provided with comprehensive workshops, lectures and tutorials in these areas, which establish an environment that encourages experiential learning and critical thinking through active engagement in the processes. Students develop a range of skills both cognitively and analytically through creative problem solving, skills acquisition, manual dexterity, aesthetic appreciation and decision-making. After an introduction to 3D work in year one of their studies the students also have access to casting, moulding and 3D building workshops on the campus, housed in adjacent studios to the printmaking facilities. Printmaking is seen as the central component to all these related areas.

Modules

**Year 2**: Development of skills acquisition. The student will have acquired a basic understanding of printmaking techniques in Year 1. The focus of Year 2 will be building on those skills and growing a broader base of techniques while simultaneously adapting project briefs to support the implementation of printmaking methods. Printmaking processes being delivered are etching, woodcutting, smart plate and stone lithography, silkscreen, collography. Additional areas being delivered to support printmaking techniques include digital media and photography, drawing, research, professional practice and workshop health and safety. Seminars and talks on the practice of print on a national and international platform will be delivered weekly to support workshop methodologies. Students also collaborate with other programme areas and institutions on print specific projects.

**Year 3**: Implementation of printmaking skills with a self-directed project. The student will use a wide range of skills acquired in Year 2 to develop a response to themes and pathways that will have arisen for the student through numerous projects in Year 2. Year 3 will provide the delivery of intermediate to advanced skills in printmaking i.e. photo etching, colour separation, experimental silkscreen processes, printmaking on ceramic surfaces, plate lithography & carborundum. Students also receive an introduction to FabLab which house laser and 3D print technology. Additional areas delivered in Year 3 to enhance development and specialisation of printmaking skills are photography, medium & large format, digital techniques, professional practice, European Erasmus exchange (optional), field trips (rationally and internationally). Teaching students concept development is a strong focus in Year 3.

**Year 4**: Specialisation of techniques that have been acquired from Year 2 and 3. Students develop into advanced printmaking skills. The student focuses on their self-directed project. Visiting lecturers will deliver advanced and professional workshops and seminars. Printmaking techniques are taught at an advanced level and are specific to student needs. Concept development, presentation methods, engaging with an audience, degree show production and display are also delivered. Photography and digital media are offered as optional.

What can I do after the programme?
Graduates are encouraged to explore numerous exit pathways from the PCP course. The programme offers the graduate transferable skills that are adaptable for the field of fine art, education, management, design, administration and cultural development. Graduates work as independent printmakers, printmaking studio directors, printmaking technicians, interdisciplinary artists, art educationalists, teachers, researchers, curators, graphic artists.
Sculpture & Combined Media
Bachelor of Arts (Honours) in Fine Art

What is the programme about?
Sculpture and Combined Media is a vibrant, fresh, professional and experimental programme. Students develop a strong sculptural skill-set but also become expert within the broader field of cultural production such as curation, public art, commissions, exhibition and cultural event planning, professional promotion and developing education workshops. The programme is structured to respond to the changing nature of cultural production and incorporates the use and understanding of new media and materials such as video, performance art, public art, internet based media, installation, sound art and photography.

The programme prepares students to be independent, critical and to develop strong training in sustaining a practice in the social and cultural domain. A major strength is that the programme always considers the public and audience. It instils in the student the importance and an awareness of research, presentation, proposal writing and documentation of practice – which is invaluable as a professional artist.

Public commissions are a significant aspect of this programme, where students work actively on large-scale public art commissions with bodies such as the Limerick Civic Trust and the Emergency Services. It also involves student work on large scale cultural productions such as the 2014 collaboration with Fuerza Bruta, the Argentinian physical theatre event for City of Culture. The programme also encourages students to look at how other traditional media such as film, theatre, dance and music relate to contemporary sculptural practice.

Modules

**Year 2**
- Sculpture processes, photography, metalworking elective, plaster resin casting, mould making elective, sound elective, material & processes - wood construction, armature making, drawing, inflatable sculpture and educational peer-to-peer workshops, critical and contextual studies, research, twentieth century fine art history, methodologies of art history, digital image formats, studio management.

**Year 3**
- Video editing/production, public performance, collaborative practice, medium format photography, exploring sources, negotiated studio themes, public art, installation art, live art, professional practice, environmental art, stop motion animation, new media interventions, performance art, critical and contextual studies, internship/work experience, student exhibitions/professional practice, European Erasmus exchange (optional), field trips/gallery visits.

**Year 4**
- Self-directed themes, sculpture practice, critical & contextual studies, intensive professional practice, self-initiated critical and contextual studies project, installation & presentation methods, engaging with an audience, degree show production and display.

What can I do after the programme?
This programme with its huge emphasis on professional practice, public performance, museum and education workshops, internships and curation as well as on traditional sculptural skillsets, equips students to work fluidly and fluently in a variety of sculptural, educational, curatorial, public and performative contexts.
Undergraduate Prospectus 2018/2019

Code: Add-on
Programme Level: 3
Duration: 3 year specialisation following LC110 First Year Art & Design (Common Entry)
Class Contact Hours: 24 hrs per week (Year 1)
As the programme progresses, the course of study becomes increasingly self-directed.
Location: George’s Quay / Clare Street Campus, Limerick

Entry Requirements:
Entry into Animation & Motion Design is by competition and selection during LC110 First Year Art & Design (Common Entry).

FOR FURTHER INFORMATION
Contact: Mr. Barry Holian & Mr. David Phelan, Programme Leaders
Tel: 061 293870
Email: barry.holian@lit.ie
david.phelan@lit.ie
View our dedicated Animation & Motion Design course page and galleries at:
http://www.lit.ie/Courses/A8117

Facebook.com/lsadamd
Twitter.com/lsadamd
Vimeo.com/lsadamd

Animation & Motion Design
Bachelor of Arts (Honours) in Design

What is the programme about?
This exciting programme offers students the chance to study in the dynamic and expressive world of animation & motion design. The programme develops creative individuals with artistic design skills and vision to produce a wide variety of screen content for film, television, digital and commercial space.

Our programme aims to give students a platform to shape their ideas, concepts and skills through a series of challenging creative briefs. The design briefs are both structured yet malleable. Physical art making is at the core of our approach. Our mantra is ‘to make’ rather than ‘to find’. The philosophy of the programme is based on the development of the creative animator and motion designer, focusing on the development of key skills in creativity, drawing, design, exploration, problem solving and collaboration.

Students are exposed to the principles, the tools and the processes of animation & motion design, through demonstrations, lectures and workshops. The programme focuses on key graduate attributes in design rather than specific software skills. Emphasis is placed on vocational learning alongside research, analysis and reflective practice. This is underpinned by the use of sketchbooks, journals and visual notebooks. Students are encouraged to create and develop their own unique individual styles together with learning industry ready skills.

Modules


Year 4: Animation & Motion Design, Digital / Non-Digital Skills, Production Skills, Critical & Contextual Studies, Professional Practice. In year four, students will undertake significant animation & design projects; further develop their showreel and online portfolio. This year is largely a self-initiated programme of study which culminates in a major project and exhibition at the end of the academic year.

What can I do after the programme?
The programme endeavours in shaping our students fundamental skillset to bring to industry with vision, creativity and adaptability. The programme provides students with the language and creative skills to meet future challenges within a cross disciplinary audio visual environment; film & television title design, advertising, corporate displays, animation narrative, visual essays, online motion design, motion for UI/UX, interactive display, projection mapping or integrate into a more mainstream production facility.
Ceramics
Bachelor of Arts (Honours) in Design

What is the programme about?
The Ceramics programme covers a wide range of expressive practice, reflecting the diversity of contemporary ceramic approaches; from the individual maker making functional, decorative, figurative or conceptual objects, to the designer producing products that are informed by social, cultural and lifestyle issues. The programme enables students to engage with the full breadth of ceramic processes to find inventive solutions with an awareness of design, context and responsibility and encourages new ideas, challenges and risk taking in the conception and realisation of creative ceramic work.

Ceramics at LSAD is the largest specialist ceramics programme in Ireland with a dedicated staff reflecting the diversity of contemporary ceramic practice. This, coupled with a superbly equipped light-filled Ceramics facility allows the programme to cover a range of approaches to this diverse medium.

The programme endeavours to provide students with the necessary subject specific and transferable skills, vocabulary and contextual knowledge to enter the professional world of ceramic practice, be that through art, craft or design. This is assisted through numerous initiatives, such as an in-house residency programme and the Irish Contemporary Ceramics Collection, both of which afford students the opportunity to work alongside and engage with professionals in practice.

Who is the programme suited to?
Ceramics is a wonderfully flexible material that can accommodate a wide range of approaches. We are looking for students with enthusiasm for art, for making, for materials, problem solving, and for the exploration of aesthetics and culture through this amazing material.

Modules

**Year 2:** Ceramic processes, research strategies, design process, product development, professional practice, critical & contextual studies. A research trip abroad.

**Year 3:** Ceramic processes, research strategies, design process, product development, professional practice, critical & contextual studies. During Year 3, students have the opportunity to take part in learner exchanges with colleges in Europe through the Erasmus scheme or a professional placement.

**Year 4:** Ceramic processes, research strategies, design process, product development, professional practice, critical & contextual studies. A body of work is produced for the final examination, together with supporting development material and a professional practice portfolio.

What can I do after the programme?
Graduates from the Ceramics Department work as designer makers, studio potters, ceramic sculptors and teachers and are involved in a wide range of activities within the culture sector.

Entry Requirements:
Enter into Ceramics is by competition and selection during LC110 First Year Art & Design (Common Entry).
Applications will also be considered for direct entry to Year 2 from those with a FETAC Level 6 qualification or relevant prior learning.

FOR FURTHER INFORMATION
Contact: Ms Mandy Parslow, Programme Leader
Tel: 061 293388
Email: mandy.parslow@lit.ie

View our dedicated Ceramics course page and galleries at:
www.lit.ie/Courses/Ceramics

Facebook.com/CeramicsLSAD
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Limerick School of Art & Design

Code: Add-on
Programme Level: 3
Duration: 3 year specialisation following LC110
First Year Art & Design (Common Entry)
Class Contact Hours: 23 hrs per week (Year 1)

As the programme progresses, the course of study becomes increasingly self-directed.

Location: Clare Street Campus, Limerick

Entry Requirements:
Entry into Fashion is by competition and selection during LC110 First Year Art & Design (Common Entry).

FOR FURTHER INFORMATION
Contact: Ms. Anne Melinn, Programme Leader
Tel: 061 293387
Email: anne.melinn@lit.ie
View our dedicated course page and galleries at:
www.lit.ie/Courses/Fashion
Follow the LSAD Fashion blog at:
http://fashiondeptlsad.blogspot.com
Facebook.com/LIT.LSAD
Twitter.com/LSADatLIT

Fashion
Bachelor of Arts (Honours) in Design

What is the programme about?
Listed in the “Top 50 Fashion Schools and Programs Across the Globe” (Robin Wilding 2012) which states confidently “Any aspiring high-tech designers with an affinity for the Irish culture will love this school”, the BA (Hons) Design (Fashion) (ab-initio Level 8) is one of the most nationally and internationally acclaimed programmes in the Limerick School of Art and Design and is the only programme in Ireland who currently shows at Graduate Fashion Week in London.

Who is the programme suited to?
Anyone interested in applying for this programme should have an aptitude for the following; Drawing, experimenting with a wide range of materials; working from 2 dimensional to 3 dimensional forms; experimenting with shape; exploring colour and texture; ability for original research. Technical skills like sewing and stitching are beneficial.

Modules

What can I do after the programme?
Graduate employment opportunities include: Designer, Design for film, Stylist, Garment Technician, Pattern Cutter (Gerber specialist), Trend Forecasting, Fashion Buying and Merchandising, Fashion Journalism.

Year 2: This is an intensive year, which provides an introduction to the core modules within the course such as, Design concepts; Technical pattern cutting and Construction, Presentation layouts and Illustration; Professional practice and Market Research. These are taught through workshops, demonstrations and projects which cover all aspects of women’s wear and men’s wear. Drawing and InDesign are part of the 2nd year process. Students partake in market research trips to Dublin and London and also participate in selected competitions and collaborative exhibitions.

Year 3: This year the focus is on projects that allow students to discover their own particular creative direction and areas of interest. The core modules are developed at a more advanced level and students are now introduced in more detail to computer aided design systems, illustrator techniques and The Gerber pattern cutting system. Visits to London to undertake fabric/market research also take place in preparation for the design and manufacture of a ‘Two Piece Statement’. During the second half of this year work placement is a major feature of the programme requirement. This placement is a minimum of 12 weeks and students who opt for a European placement are considered for the Erasmus work placement programme.

Year 4: This year is largely self-initiated study which is research based and culminates in a final collection of six looks which is shown at the annual fashion graduate showcase. The show attracts an audience from fashion journalism, bloggers, industry and commerce. We are currently the only college in Ireland to show at Graduate Fashion Week in London. Fourth years continue upskilling on the Gerber pattern making system. Students also participate in national and international competitions.

Fashion student Kate O’Doherty won the prestigious Student Designer of the Year award at the Irish Fashion Innovation annual awards show 2017.
Graphic Design Communication
Bachelor of Arts (Honours) in Design

What is the programme about?
The central purpose of this award winning programme is the study of graphic design and all its related disciplines. The programme offers a high level of experiential learning through studio projects, talks, workshops and online activities. It offers students the opportunity to demonstrate their ability to work creatively in the field of graphic design; through application of original thought to a given problem; to be open to new ideas; to be able demonstrate a range of skills; to be willing to involve themselves in the many and varied practices within graphic design communication.

One of the key features of the programme is its strong links with industry through the recent introduction of the Professional Practice module and the work placement initiative in Year Three. From it, students have been successfully placed in Ireland, London and further afield in Europe, Asia and South America.

On completion, the programme prepares students for careers as professional graphic designers and in other areas of employment such as advertising, packaging, typography, illustration, UX design, film/TV production, exhibition, web design.

The programme actively encourages a broadening of skills on intellectual, creative and practical levels in order to become a designer of the future.

Modules

**Year 2:** This year is a broad expansion of the basic principles learned in the latter part of Year One and is an opportunity to gain new knowledge and skills along with greater awareness of the design process through projects for visual identity, editorial, advertising and UX/UI design. Subjects in this year are: Design Communications, Typography, Graphic Design Production, Lens Based Media, Professional Practice and Critical & Contextual Studies.

**Year 3:** This year is essentially commercially biased; where the student gains direct hands-on experience through related project work in areas such as packaging, motion design, packaging and advertising strategies. The work placement initiative is an opportunity to experience a real working situation in the context of graphic design. Subjects in this year are: Design Communications, Typography, Graphic Design Production, Lens Based Media, Professional Practice and Critical & Contextual Studies.

**Year 4:** The final year establishes a professional approach to studio work in preparation for industry. While there are set projects throughout, this year is largely self-initiated and culminates with a major exhibition. Subjects in this year are: Design Communications, Typography, Graphic Design Production, Lens Based Media, Professional Practice and Critical & Contextual Studies.

What can I do after the programme?
Graduates can avail of a wide range of employment opportunities both here in Ireland and internationally. These include: graphic design, advertising, packaging design, typographic design, illustration, design for screen, UX/UI and web design.

Entry Requirements:
Enter into Graphic Design Communication is by competition and selection during LC110 First Year Art & Design (Common Entry).

FOR FURTHER INFORMATION
Contact: Mr. Eamon Spelman, Programme Leader
Tel: 061 293395
Email: eamon.spelman@lit.ie
View the dedicated course page and galleries at: www.lit.ie/Courses/GraphicDesign

Facebook.com/LIT.LSAD
Twitter.com/LSADatLIT
Fashion and Textiles for Product and Costume
Bachelor of Arts (Honours) in Design

What is the programme about?
This is a unique Level 8 programme in Ireland that provides an exciting opportunity for individuals who wish to immerse themselves in the world of fashion and textile design. This BA is a four year programme comprised of Stage 1, 2, 3 and 4 in Design. There is also an approved Level 6 Higher Certificate in Design in Fashion and Textiles for Product and Costume running in parallel to the Level 8 programme which offers Level 6 students the option to progress to Year 3 and 4.

The programme offers students the opportunity of training in areas specific to fashion and textiles design for product and costume design where there is a specific intention to focus on developing design flexibility, exploring how the skills and experience gained in the areas of the broad remit of Fashion and Textiles for Product and Costume can be utilised in a variety of specialisations and activities. This programme also offers students the exciting prospect to work on live, collaborative projects and a work placement within industry.

Modules

What can I do after the programme?
Graduate employment opportunities include: Designer, (fashion, knitwear, textile or product) trend forecasting, manufacturing and production technician, stylist, trend forecasting, fashion/knitwear buying and merchandising, design journalism.
Fashion and Textiles for Product and Costume
Higher Certificate in Design

What is the programme about?
This is a unique Level 6 programme in Ireland that provides an exciting opportunity for individuals who wish to immerse themselves in the world of fashion and textile design. This Level 6 Higher Certificate in Fashion and Textiles for Product and Costume runs in parallel to the Level 8 programme and offers graduates of this 2 year programme the option to progress to Year 3 and 4 of the honours degree.

This programme offers students the opportunity of training in areas specific to fashion and textiles design for product and costume design where there is a specific intention to focus on developing design flexibility, exploring how the skills and experience gained in the areas of the broad remit of Fashion and Textiles for Product and Costume can be utilised in a variety of specialisations and activities. This programme also offers students the exciting prospect to work on live, collaborative projects and a work placement within industry.

Modules

**Year 1:** Students will be introduced to the working methodologies and vocabulary related to the use and application of Fashion and Textile for Product and Costume design. Projects are focused on exploring the importance of obtaining primary research and determining the appropriate process of design development. Training will also be provided on digital drawing platforms such as illustrator and photoshop. The first year aims to provide students with the necessary skills and contextual knowledge to build a strong foundation in Fashion & Textiles for Product and Costume.

**Year 2:** Focuses on further developing the student's personal process of research and design development in response to specific briefs whilst acquiring new skills in fashion knitwear (domestic and industrial Shima Seiki knit technology), creative pattern cutting, illustrator and Photoshop. Students will begin to identify their particular pathway.

What can I do after the programme?
Graduate employment opportunities include: Designer, (fashion, knitwear, textile or product) trend forecasting, manufacturing and production technician, stylist, trend forecasting, fashion/knitwear buying and merchandising, design journalism.

Graduates can also progress to Year 3 of the Level 8 honours degree in Fashion and Textiles for Product and Costume at Limerick School of Art & Design.
Creative Media & Design
Bachelor of Science (Honours)

What is the programme about?

The aim of this programme is to meet the demand for graduates with both visual and interactive design skills that can produce immersive digital media experiences. Graduates will be able to work in a range of roles and contexts across the Digital Media, Design and Technology sectors. Graduates will be equipped with knowledge and skills related to Interface & User Experience Design, Interaction Design, Visualisation (in both an interactive and non-interactive context), Augmented and Mixed Reality, Web Technologies & Motion Graphics.

The programme offering blends technology with visual and interactive design practices to produce unique graduates. The programme is heavily focused on the needs and requirements of the digital media sector. To this end, students are provided with comprehensive lectures, tutorials and workshops in creative, design & technological fields. Students also gain valuable work experience and opportunities to collaborate with external organisations and agencies by undertaking client-led external briefs.

Delivery focuses on foundational visual and interactive design principles, complemented with the development of technological skills. As the programme progresses, there is a greater emphasis on the creation of an overall immersive digital media experience. This is achieved through cross-modular projects that require students to be cognisant of both creative and technical requirements in the conception and execution of project briefs.

Who is the programme suited to?

This programme is suited to individuals that have an interest in design and creative technologies and the potential that digital media offers individuals, organisations and wider society.

Modules


*Students choose one of these electives in year 3.


What can I do after the programme?

On successful completion of the programme, job opportunities for graduates include: Digital Media Designer, Web Developer, Multimedia Developer, Interaction Designer, User Experience Designer, Augmented and Immersive Experience Designer, Motion Graphic Designer and many more. Graduates work for IBM Dublin, Cartrawler Dublin, Feedhenry Waterford, Emagine Media Waterford, ICON PLC Limerick, TSSG Waterford, Setanta College Thurles, Hibernia College Dublin, Storytoys Dublin, among others.
Creative Media & Design
Bachelor of Science

What is the programme about?
The aim of this programme is to meet the demand for graduates with both visual and interactive design skills that can produce immersive digital media experiences. Graduates will be able to work in a range of roles and contexts across the Digital Media, Design and Technology sectors. Graduates will be equipped with knowledge and skills related to Interface & User Experience Design, Interaction Design, Visualisation (in both an interactive and non-interactive context), Augmented and Mixed Reality, Web Technologies & Motion Graphics.

The programme offering blends technology with visual and interactive design practices to produce unique graduates. The programme is heavily focused on the needs and requirements of the digital media sector. To this end, students are provided with comprehensive lectures, tutorials and workshops in creative, design & technological fields. Students also gain valuable work experience and opportunities to collaborate with external organisations and agencies by undertaking client-led external briefs.

Delivery focuses on foundational visual and interactive design principles, complemented with the development of technological skills. As the programme progresses, there is a greater emphasis on the creation of an overall immersive digital media experience. This is achieved through cross-modular projects that require students to be cognisant of both creative and technical requirements in the conception and execution of project briefs.

Who is the programme suited to?
This programme is suited to individuals that have an interest in design and creative technologies and the potential that digital media offers individuals, organisations and wider society.

Modules


*Students choose one of these electives in year 3.

What can I do after the programme?

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish.

Note: Optional Portfolio
CAO applicants can avail of up to 200 bonus points by presenting a portfolio of selected work for evaluation. However, a portfolio is not a required element for acceptance on the programme. See www.lit.ie/courses/LC504 for further information.

QQI FET/FETAC Applicants:
A full QQI FET/FETAC Level 5 award.

Mature Applicants:
Refer to section ‘Entry Requirements’ for further information.

Second Year entry level: Applicants who wish to transfer into second year of this programme will require a Level 6 qualification with 3 distinctions.

For Further information
Contact: Mr. Eamon Dalton & Mr. Michael Kiely, Programme Leaders
Tel: 0504 28490
Email: Eamon.Dalton@lit.ie Michael.Kiely@lit.ie
Web: www.lit.ie/Courses/LC504

Facebook: fb.me/CreativeMediaAndDesign
Digital Animation Production
Bachelor of Science (Honours)

What is the programme about?
On this programme, students learn to design, create and animate for both 2D and 3D platforms such as TV, Film and Games. There is a focus on developing students’ core skills in the traditional disciplines of drawing, illustration and animation asset design with a strong emphasis on the principles of animation.

Building on this foundation, students continue to develop their creative voice while training in industry standard software, processes and technologies with the aim of bringing their ideas and concepts to life on screen.

Who is the programme suited to?
The programme is suited to individuals with an artistic ability who wish to produce high quality digital animation by combining their artistic creativity with technical know-how. Emphasis is placed on the needs of animation studio production, with the programme aiding and developing individuals to fulfil both generalist and specialist roles in such organisations.

Modules


Year 2: Interactive Programming II, Drawing Principles III, Illustration for Animation I, 3D Modelling II, Animation III, Media Writing, Short Film I, Rigging for Animation, Animation IV, Film Studies I, Effective Teamwork.

Year 3: Portfolio, Sound Design, 3D Animation, Film Studies II, Professional Development, Materials & Lighting for Animation, Short Film II, Compositing, Project Management for Animation, Narrative, Employment Placement.


What can I do after the programme?
This programme produces graduates with an excellent knowledge and understanding of computer animation, suitable for employment in the digital animation, gaming and multimedia sectors. Graduates will have a strong foundation in the planning, production and management of animation projects. The combination of creative and technical skills on the programme will ensure you are a versatile graduate who can fulfil more than one role in any organisation, thus making you highly employable in the industry.

Positions for graduates may include: Animator (2D & 3D), 3D Modeller, Rigger (2D & 3D), Texture & Lighting Artist, Compositor, Technical Artist, Storyboard Artist, Art Direction, Animation Director.
Game Art & Design
Bachelor of Science (Honours)

What is the programme about?
The B.Sc. (Honours) in Game Art & Design targets the creative needs of the games industry by producing graduates who can develop high quality game content, design game levels and work with industry leading content creation tools, scripting languages and game engines.

In addition to developing student’s artistic skills, students of the programme acquire the skills to produce compelling game content for various gaming applications and platforms. The graduates of this programme possess a well-developed understanding of both the creative and technical processes involved in producing game content.

The programme is designed to provide students with the knowledge and skills required to work in the games industry as games artists, content creators and designers. The programme embodies the multidisciplinary nature of the games sector and seeks to address the demand for game art & design skills both nationally and internationally.

Who is the programme suited to?
The programme is suited to individuals with an artistic ability who wish to work in the games industry as game artists, content creators and designers by combining their artistic creativity with technical know-how.

Modules

| Year 2: Concept Art, Interaction Design for Games, 2D Asset Creation, Interactive Programming II, Game Design I: Fundamentals of Game Design, Game Engines I, Game Level Design I: Fundamentals of Level Design, Effective Teamwork, Materials and Lighting for Games, 3D Modelling II – Characters and Creatures for Games, Animation II for Games, Rigging for Games. |
| Year 3: Virtual Reality, Professional Development, Game Engines II, Management of Digital Media Projects, Game Design and Production, Employment Placement, Modelling, Texturing and Lighting Game Environments, Designing Game Projects, Scripting & digital tool creation for Technical Directors, Animation III for Games. |
| Year 4: Instructional Design, The Game Industry, Compositing, Venture Management, FX for Games, Major Games Project, Law Copyright and Ethics. |

What can I do after the programme?
This programme produces graduates with an excellent knowledge and understanding of game design, level design, game content creation, game engines and scripting. This makes our graduates suitable for employment in the gaming, animation and visual effects sectors.

The combination of creative and technical skills on the programme will ensure you are a versatile graduate who can fulfil more than one role in any organisation, thus making you highly employable in the industry.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

The presentation of a Portfolio of selected work or an interview and assessment is also required.

QQI FET/FETAC Applicants:
A full QQI FET/FETAC Level 5 award, including a distinction grade in at least three modules. The presentation of a Portfolio of selected work or an interview and assessment is also required.

Mature Applicants:
Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Richard Gavin & Mr. John Hannafin, Programme Leaders
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Email: john.hannafin@lit.ie
richard.gavin@lit.ie
Web: www.lit.ie/Courses/LC502

Facebook.com/gameartdesign.lit
Twitter.com/GameArtDesign

*Points are a combination of Leaving Certificate results and Portfolio Assessment
Fulbright Scholar and LIT PhD student, Jaswinder Kaur.
The Faculty of Applied Science, Engineering and Technology comprises five academic departments:

- Department of Applied Science
- Department of Electrical and Electronic Engineering
- Department of Mechanical and Automobile Engineering
- Department of the Built Environment
- Department of Information Technology

The Faculty has over 2,500 full-time students, a considerable evening continuing education programme and also delivers block release courses to apprentices in the trades of electrician, carpentry and joinery, motor mechanic and mechanical fitter.

The Faculty provides a very wide and diverse range of programmes to our community from Music Technology and Production to Agricultural Mechanisation to Pharmaceutical and Forensic Analysis to Civil Engineering to Quantity Surveying and Computing. The academic level of our programmes ranges from Higher Certificates (Level 6), to Ordinary Degrees, Honours Degrees, Masters Degrees and on to PhD (Level 10).

We are constantly monitoring the quality and relevance of all of our programmes of study and developing new programmes to meet the demand of students and industry. Programmes are recognised by the relevant professional bodies including Engineers Ireland, Society of Chartered Surveyors Ireland, the Chartered Institute of Building and others. Details of programmes are provided under each Department section of this brochure.

Research is very active within the Faculty and we are very proud of our activities to date. Research active groups within the Faculty are successful in leading and co-ordinating international research and gaining research funding.

Our ambition as a Faculty is to continue to be at the forefront of new technological developments, to design new and innovative programmes and to support our local and national industry and commercial sector. In particular, the Faculty of Applied Science, Engineering and Technology is committed to developing and applying new and innovative active learning strategies to enhance and improve the learning experience of our student community and to provide students with the knowledge, skills and competencies to contribute actively to their chosen profession.

We welcome students who wish to graduate as professionals in the Science, Engineering, Information Technology and Built Environment industries and who wish to participate actively in the academic, sporting and social life of the Institute.
Martina Cripps
*Environmental & Geographical Sciences*

“My course at LIT equipped me with a broad range of skills not only from an environmental perspective but also from a business and project management standpoint.”
Undergraduate Programmes

LC260 Applied Biology Bachelor of Science p62
Add-on Bioanalysis & Biotechnology Bachelor of Science (Honours) p63
LC261 Applied Chemistry Higher Certificate in Science p64
Add-on Chemical Instrumentation & Analysis Bachelor of Science (Honours) p65
LC266 Drug & Medicinal Product Analysis Bachelor of Science (Honours) p66
LC264 Environmental & Analytical Science Bachelor of Science p67
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LC425 Environmental & Geographical Sciences Bachelor of Science - Thurles p70
LC428 Environmental Management in Agriculture Bachelor of Science - Thurles p71
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LC267 Forensic & Pharmaceutical Science Bachelor of Science p73
LC268 Medical Technology Bachelor of Science p74
LC269 Operating Department Practice Bachelor of Science (Honours) p75

Postgraduate Programmes

Analytical Science with Research & Quality Management – MSc.
Postgraduate Studies & Research Opportunities in Applied Science (Level 9 & 10)

Details of Postgraduate programmes are available in our Postgraduate Programmes Handbook. For further information, see www.lit.ie/postgraduate
Welcome to the Department of Applied Science at LIT Moylish (Limerick) and LIT Thurles. We are delighted that you are considering starting your career in Science with us. Not only are our graduates highly sought after by industry but also by international research centres as they are recognised for having the highest quality in Analytical Technical skills and problem solving which spans all scientific disciplines.

When you become a science student with us, 50% of your training will involve practical hands-on experience which means you have what employers want from day one. We offer multiple pathways to completing your training to honours degree level and regardless of whether you start on a two year programme or a three year programme; you can achieve an honours degree in four years. On the other hand, should you decide that you want to take a break after completing two years of a four year programme you can exit with a Higher Certificate in that discipline, meaning that you get recognised for your work already done. The path of your education is in your hands. You can also check out our Masters and PhD programmes.

We offer a range of programmes in the disciplines of Applied Biology, Applied Chemistry, Environmental Science, Environmental Management, Pharmaceutical and Forensic Science and Drug and Medicinal Product Analysis. Whichever you choose, practical skills are at our core which give you a passport to the modern scientific world.

So, if you are interested in any of our programmes or want to walk through our state of the art laboratories just give us a call. You are most welcome.
Applied Science
Progression Opportunities

Undergraduate Prospectus 2018/2019  61 <
What is the programme about?

Applied Biology is a discipline that is currently at the forefront of scientific research and technological development and underpins a number of premier industries in Ireland and internationally. These include the Healthcare and Biopharmaceutical sectors, Food industries, Biotechnology, Bioanalytical and Diagnostics, and more.

This programme allows you an opportunity to study the key areas in Applied Biology including Microbiology, Biochemistry, Food Science, Biotechnology, Genetics, Bio-forensics, and Healthcare. You will also gain hands-on experience of state of the art laboratory techniques, merging both traditional and cutting edge technologies in the life sciences.

Who is the programme suited to?

This programme is designed for students who have a keen interest in Biology and who wish to pursue successful careers in the Life Sciences. You will have small class sizes, dedicated lecturers, and gain hands-on experience of state of the art technologies in Applied Biology.

Modules

Year 1: Biology (Applied), Introductory Physics Concepts, Chemistry, Laboratory Practice, Mathematics for Biologists.

Year 2: Microbiology, Biochemistry, Cell Biology, Analytical Techniques, Concepts in Chemistry for Biologists, Mathematics and Statistics for Quality Control.


What can I do after the programme?

The programme offers you diverse employment opportunities in key growth areas within the Life Sciences. As a graduate in Applied Biology you will have excellent career prospects and employment opportunities in a range of sectors such as the Biotechnology, Food, Healthcare, Environmental, Bio-Pharmaceutical and more.

Graduates of the programme may also progress to the one year add-on Level 8 Honours Degree in Bioanalysis & Biotechnology.
Bioanalysis & Biotechnology
Bachelor of Science (Honours)

What is the programme about?
This interdisciplinary one-year add-on programme provides you with specialist skills in the Bioanalytical and Biotechnology sectors. You will gain critical skills in key areas including Bioanalysis, Biotechnology, Bioprocessing, Microbiology, Cell and Molecular Biology, Healthcare Sciences and Quality Management Systems.

Upon graduation, you will be equipped with the necessary skills for careers in research, development, production and quality control in a range of modern bio-industries including the Biopharmaceuticals, Biotechnology, Bioanalytical and Food Sectors.

Who is the programme suited to?
This is a one year add-on honours programme and is ideal for Level 7 graduates in Applied Biology and related disciplines in the biological sciences.

Modules
- Bioanalysis, Biotechnology, Bioprocessing, Quality Management and Data Analytics, Project, Protein Science and Technology.

What can I do after the programme?
You will have excellent employment and career opportunities in key growth areas including the Biopharmaceutical, biotechnology, bioanalytical, healthcare and biopharmaceutical sectors. Typical jobs include Bioanalyst, Biotechnologist, Microbiologist and Molecular Biologist. Some graduates work in Pfizer Biopharmaceuticals, Vistakon, Beckman Coulter and Centocor.

Graduates are eligible to apply for the Postgraduate Diploma in Education (formerly H. Dip.) and pursue a career in Science/Biology teaching in second level schools. Graduates may also pursue Masters or PhD programmes in biology related disciplines in Ireland or abroad.

Minimum Entry Requirements:
1. A pass in a relevant Bachelor Degree (Level 7) in a relevant field with an overall average performance of at least 50%
2. An equivalent qualification to a Bachelor Degree (Level 7) with appropriate pre-requisite subjects.
3. A pass in a relevant Bachelor Degree (Level 7) with one year suitable and relevant work experience.

APPLY DIRECTLY TO LIT
Tel: 061 293262
Email: admissions@lit.ie

FOR FURTHER INFORMATION
Contact: Dr. Ann Murphy, Programme Leader
Tel: 061 293815
Email: ann.murphy@lit.ie
Web: www.lit.ie/Courses/A8260
What is the programme about?
Applied Chemistry is a two year, Level 6 programme with the opportunity to progress to Level 7 and Level 8 honours degree level at LIT. This programme gives the student fundamental training in chemistry, analytical science, computers, biosciences and statistics. These skills will allow the Level 6 graduate to work at introductory level in any analytical laboratory. Most students progress to the Level 8 honours degree where additional laboratory, practical and analytical skills are developed.

Who is the programme suited to?
Any student interested in science is welcome to this programme. If you would like to eventually work in a scientific environment, conducting experiments, analysing results, problem solving and so forth, this programme is for you!
If chemistry is not one of your chosen Leaving Cert subjects or if you feel it is not your strength, do not worry. Chemistry is taught from introductory level in first year so that everyone is able to participate fully in this programme.

Modules

Year 1: Chemistry, Biology, Introductory Physics Concepts, Mathematics for Scientists, Introduction to Drug and Medicinal Products.


What can I do after the programme?
Graduates from the Level 6 programme are qualified to work in a laboratory based setting as a laboratory technician or chemical analyst. These skills are sought by the world’s top large pharmaceutical companies, many of which are based in Ireland.

The employment record of graduates successfully completing this programme together with the degree in Science (Chemical Instrumentation/Analytical Methods) continues to be one of the best in Ireland.

Progression opportunities are also available to year 3 of the BSc (Hons) in Drug and Medicinal Product Analysis.
Chemical Instrumentation & Analysis
Bachelor of Science (Honours)

What is the programme about?
This programme produces highly qualified Chemists and Laboratory Technicians in the key area of Chemical Instrumentation and Analytical Methods.
Graduates will be specialists in the use of modern instrumental techniques to carry out chemical, pharmaceutical, drug, food and environmental analysis. It also builds and improves on the students’ knowledge of Laboratory Quality Assurance, Regulatory Affairs and Laboratory Management.

Who is the programme suited to?
Candidates who obtain a pass grade B.Sc. (Level 7) in Chemical Instrumentation/Analytical Methods or similar programme may progress to the BSc. (Honours) Chemical Instrumentation & Analysis.

Modules

Chromatographic Methods and Validation, Spectroscopic and Complementary Methods, Chemical & Instrumental Analysis, Special Topics, Quality Management & Data Analytics, Project.

What can I do after the programme?
The employment record of graduates of this programme continues to be one of the best in Ireland. The graduate is equipped with the skills and competence to gain employment in pharmaceutical, chemical, food or biotechnology industries; local authorities and other regulatory bodies. Graduates of this programme work as Analytical Chemists, Quality Assurance Specialists, Regulatory Affairs Specialists and at managerial level in international and smaller domestic companies such as Wyeth Nutritional, Elan, Abbott, Vistakon and Roche.
Graduates also have the opportunity to pursue a Masters or Ph.D. by research. This programme is recognised by the Teaching Council. Graduates are eligible to apply for the Postgraduate Diploma in Education (formerly H.Dip.) and pursue a career in Science/Chemistry teaching in second level schools.

Minimum Entry Requirements:
1. A pass in a relevant Bachelor Degree (Level 7) in a relevant field with an overall average performance of at least 50%
2. An equivalent qualification to a Bachelor Degree (Level 7) with appropriate pre-requisite subjects.
3. A pass in a relevant Bachelor Degree (Level 7) with one year suitable and relevant work experience.

APPLY DIRECTLY TO LIT
Tel: 061 293262
Email: admissions@lit.ie

FOR FURTHER INFORMATION
Contact: Dr. Michael Geary, Programme Leader
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Email: michael.geary@lit.ie
Web: www.lit.ie/Courses/A8261

AppliedScienceLIT
**Department of Applied Science**

**Code:** LC266  
**Programme Level:** 8  
**CAO Points 2016:** 300  
**Duration:** 4 yrs (with 6 month Work Placement)  
**Class Contact Hours:** 24 hours per week  
**Location:** Moylish Campus, Limerick

Minimum Entry Requirements:  
**Leaving Certificate:** A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.  
**QQI FET/FETAC Applicants & Mature Applicants:** Refer to section 'Entry Requirements' for further information.

FOR FURTHER INFORMATION  
Contact: Ms. Marie Walsh, Programme Leader  
Tel: 061 293338  
Email: marie.walsh@lit.ie  
Web: www.lit.ie/Courses/LC266

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**Drug & Medicinal Product Analysis**  
**Bachelor of Science (Honours) Ab Initio**

What is the programme about?  
The programme team worked with industrial specialists to develop a programme to produce graduates who understand how medicines and healthcare products are manufactured and checked to make sure they are safe, effective and high quality. Students who graduate from the programme are ready to work in one of Ireland’s most valuable industries.

This Honours Degree allows students to develop the analytical laboratory skills necessary to work in the highly regulated industries that manufacture medicines, medical devices and healthcare products. It also offers students the chance to study quality control and management in those industries.

It takes a detailed look at every aspect of manufacture in Ireland’s most successful sector and develops the students’ skills in the areas most required to obtain good, well-paid jobs in the industry. There is a six-month work placement in Year 3 of the programme to provide valuable work experience.

Who is the programme suited to?  
Drug and Medicinal Product Analysis is for people who like biology, chemistry and practical laboratory work and who want to learn about the process of making safe, high quality medicines and healthcare products. It is not necessary to have studied Chemistry at Leaving Certificate. Fundamentals of all science subjects are studied in Year 1.

**Modules**

- **Year 1:** Introduction to Drug and Medicinal Products, Biology, Chemistry, Introductory Physics Concepts, and Mathematics for Scientists.
- **Year 2:** Drug and Medicinal Product Technology, Analytical Techniques, Statistical Process Control, Inorganic and Physical Chemistry, Introduction to Molecules in Medicine, and Pharmaceutical Biosciences.
- **Year 3:** Medicinal Products and Good Manufacturing Practices, GMP and Validation, Biototoxicology, Molecular & Immuno Biology, Instrumental Analysis, Molecules in Medicine, Quality Assurance, Six-month Work Placement/Research Project.
- **Year 4:** Advanced Drug and Medicinal Product Analysis, Project, Chromatographic Methods and Validation, Spectroscopic and Complementary Methods, Quality Management & Data Analytics, and Special Topics.

What can I do after the programme?  
Graduates from this programme will be employed in Quality Control and Quality Assurance roles in state-of-the-art pharmaceutical or medical device industries.
Environmental & Analytical Science
Bachelor of Science

What is the programme about?
This three year bio-analytical programme is focused on developing a science graduate with a greater understanding of the environment and the associated pressures of industrial activities. The programme delivers a comprehensive understanding of environmental science (monitoring and management) while equipping graduates with the skills-set of a modern analytical scientist. Such graduates are employable throughout Ireland’s industrial and wild-life sectors.

This programme is over 50% based in Field & Laboratory Analysis (FLA). There is a six-month work placement in Year 3 of the programme to provide valuable work experience. This programme is underpinned by core subjects in the area of Environmental Science, Biology/Microbiology, Bio-toxicology, Analytical Instrumentation, Pollution Control and Quality Management. All industries in Ireland are regulated by the Environmental Protection Agency and in meeting and complying with these regulations Irish industry employ Environmental and Analytical Scientists - our graduates are these Scientists.

Who is the programme suited to?
This programme is ideal for students who have an interest in biological sciences and the environment. It is particularly suited to those students with a determined and inquisitive nature as to the fate and impact of bio-toxins and chemicals on our ecosystems. The programme is for students who wish to work out in the field coupled with laboratory analysis and management skills. The six months work placement will provide students with the opportunity to work in a real-life environmental position with a company.

Modules

**Year 1:** Environmental Science, Chemistry, Introductory Physics Concepts, Biology, Mathematics for Scientists.

**Year 2:** Environmental Chemistry, Pharmaceutical Biosciences, Environmental Monitoring & Analysis, Environmental Pollution and Control, Statistical Process Control, Analytical Techniques.

**Year 3:** Environmental Analytical Techniques, Green Technology and Innovation, Environmental Chemistry and Toxicology, Environmental Management and Forensics, Six-month Work Placement/Research Project.

What can I do after the programme?
Graduates can work in the area of environmental sampling and trace analysis in some of Ireland’s largest and fastest growing industrial sectors, as well as local authorities (County and City Councils) and other regulatory bodies (EPA, Department of Agriculture) which carry out environmental monitoring and ecological assessment.

The environmental sectors of the pharmaceutical, chemical, food or biotechnology industries all require environmental analysts. Furthermore, due to the transferrable skills developed in the course of the degree, graduates may also work directly in the main analytical laboratories of these industries as an analytical scientist. Graduates of this programme can progress on to the Level 8 Honours degree in Environmental & Analytical Science.
Minimum Entry Requirements:

1. A pass in a relevant Bachelor Degree (Level 7) in a relevant field with an overall average performance of at least 50%
2. An equivalent qualification to a Bachelor Degree (Level 7) with appropriate pre-requisite subjects.
3. A pass in a relevant Bachelor Degree (Level 7) with one year suitable and relevant work experience.

What is the programme about?

This one-year add-on programme aims to meet the requirement for highly skilled scientists who satisfy the demand for a qualification at the highest level in the key area of Environmental and Analytical Science. The programme is heavily geared towards independent learning in which students work under their own initiative in multidisciplinary project work set out over three modules. These modules are 100% lab/field based and are a blend of individual and team work activities. Project management, advanced trouble shooting and analytical skills developed are highly desirable to the industrial sector. The programme is also reinforced with industrially relevant modules in Advanced Analytical Techniques; Good Manufacturing Practice; Quality Control and Legislation.

Who is the programme suited to?

This programme is ideal for students who possess a level 7 award in an Applied Science discipline with an interest in developing their analytical skills specifically for the Science industrial sector.

Modules

Environmental Project, Chromatographic Methods and Validation, Spectroscopic and Complementary Methods, Quality Management & Data Analytics, Environmental Appreciation & Sustainability, Advanced Environmental Analysis.

What can I do after the programme?

Significantly, the environmental sectors of the pharmaceutical, chemical, food or biotechnology industries all require environmental analysts. Also, because of the transferrable skills developed in the progress of your degree, graduates may also work directly in these industries as an analyst in the main analytical laboratories. Coupled with this are opportunities in the local authorities (County and City Councils) and other regulatory bodies such as the Environmental Protection Agency and the Department of Agriculture. Independent analytical companies, who carry out environmental monitoring and ecological assessment, also have a continuous requirement for Environmental Science graduates.

This level 8 programme is recognised both nationally and internationally and many past graduates have continued their studies to Masters and PhD awards within LIT and beyond.
Environmental & Geographical Sciences
Bachelor of Science (Honours) Ab Initio

What is the programme about?
Society today faces significant environmental challenges, from climate change at global level to waste management at local level. This programme prepares students to work in the environmental management sector and thus helps businesses, communities and the public sector respond actively to the challenges we face. Students learn about ecology and conservation of the natural environment as well as how to manage resources like waste and energy in business. There is lots of practical lab work, field work, field trips and computer skills sessions. Subjects on personal development are also included – valuable skills for the work place. New approaches to balancing the needs of society and the economy with protection of the environment are investigated. In Year 3, students deepen their scientific understanding of how the earth’s natural systems work by examining the topic of water in detail. Students develop skills in Geographic Information Systems (GIS) mapping and in research. A Professional Development module prepares students for a work placement during the summer of third year.

In Year 4, students examine the complex topics of atmosphere and climate, complementing the work done in previous years on ecology, land and water. Skills in environmental monitoring, computer modelling and organisational management are developed. Positive responses to our environmental challenges such as renewable energy and sustainable building are examined. New approaches to achieving long term sustainability are a key focus.

Who is the programme suited to?
The programme will interest those who wish to commit to obtaining an honours degree-level qualification in environmental management. This level may be required to avail of certain employment or further study opportunities. Relevant school subjects include geography and the sciences. Mature students from various work backgrounds have successfully completed the programme.

Modules

- **Year 1:** Introduction to Environmental Science, Rural Land Use & the Environment, Introduction to Environmental Management, Personal Effectiveness, Introduction to Sustainable Development, Applied Environmental Science, Environmental Maths & Computing.

- **Year 2:** Earth Science & Ecology, Environment & Sustainable Development, Conservation & Biodiversity Management, Waste & Energy Management, Group Work – Theory & Practice, Field Study Skills & GIS. Most weeks in Year 2 involve one day out in the field.

- **Year 3:** Water Quality Analysis & Treatment, Research Techniques, Water Resource Management, Planning & the Environment, Train the Trainer, Geographic Information Systems, Work Placement, Professional Development.

- **Year 4:** Dissertation, Economy, Society & Sustainable Development, Climate & the Atmosphere, Organisational Behaviour & Management for the Environmental Sector, Environmental Monitoring & Modelling, Carbon & Sustainable Energy.

What can I do after the programme?
Graduate opportunities include jobs as Environmental Officers/Scientists with businesses, public sector bodies and non-governmental organisations (NGOs), or as Environmental Researchers/Consultants, as well as a range of postgraduate study opportunities.

FOR FURTHER INFORMATION
Contact: Mr. Martin McCormack, Programme Leader
Tel: 0504 28104
Email: martin.mccormack@lit.ie
Web: www.lit.ie/Courses/LC408

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Facebook.com/EnvironmentalCourse

Hear some of our graduates speak about the programme – see the Video tab on the webpage: www.LIT.ie/Courses/LC408
What is the programme about?

The Bachelor of Science programme consists of the first three years of programme LC408, which has been running in LIT Thurles campus since 2008. In the first two years of this Bachelor’s programme, students learn about ecology and conservation of the natural environment as well as how to manage resources like waste and energy in business. There is lots of practical lab work, field work, field trips and computer skills sessions. Subjects on personal development are also included – valuable skills for the workplace. New approaches to balancing the needs of society and the economy with protection of the environment are investigated.

In Year 3, students deepen their scientific understanding of how the earth’s natural systems work by examining the topic of water in detail. Students develop skills in Geographic Information Systems (GIS) mapping and in research. A Professional Development module prepares students for a work placement in the summer of third year. This provides students with a valuable opportunity to gain experience and, with some luck, might turn into an environmental management job! The involvement of the Thurles and Clonmel campuses of LIT on the An Taisce Green-Campus programme provides valuable active learning opportunities for students.

Who is the programme suited to?

This programme will appeal to people with an interest in the environment and how humans interact with that environment. School subjects such as geography, biology, agricultural science or chemistry are particularly relevant. Mature students may already have relevant work experience (e.g. construction, agriculture). The programme will interest those who wish to commit to obtaining a degree-level qualification in environmental management.

Modules


What can I do after the programme?

Graduate can progress into the fourth year of the BSc (Hons) programme (LC408). This ladder system allows students to obtain an honours degree in four years.

Graduates of the Bachelor programme are qualified for a wide range of roles including Environmental Technicians and Environmental Officers with businesses, public sector bodies and non-governmental organisations (NGOs). The inclusion of a work placement is of particular value to graduates seeking employment.
LC428

Environment Management in Agriculture

Bachelor of Science

What is the programme about?

Agri-food and Fisheries is Ireland’s largest indigenous industry. It collectively employs some 150,000 people with an annual output of over €24 billion. The agriculture and agribusiness sector is growing strongly, and there are further plans for expansion under the Food Harvest 2020 and Food Wise 2025 reports. A key challenge for agriculture will be to increase production in a sustainable manner which does not negatively impact on the natural environment. This programme will provide a strong foundation in science and environmental management, combined with specialist agriculture modules. It will allow successful graduates to work in the agri-sector, with a clear understanding of relationships between agricultural, food production, and key environmental issues.

The programme is delivered in conjunction with the existing B.Sc. in Environmental and Geographical Sciences. Approximately two thirds of the programme focuses on science and environmental management with one third focused on agricultural issues. The degree is run in co-operation with Gurteen College, Ballingarry, Co. Tipperary where a ten credit module takes place in the first year of the programme titled “Farm Enterprises - Theory & Practice”. The second and third year see progressively increased content relating to agriculture, with considerable lab work, field work, field trips and computer skills sessions provided throughout the degree. A sustainable development stream allows wider reflection on balancing the needs of the environment, the economy and society while a professional development module prepares students for a work placement during the summer of third year.

Who is the programme suited to?

This programme will suit people with an interest in agriculture and the environment. School subjects such as geography, agricultural science, biology and chemistry are particularly relevant. It is also suitable for mature students with relevant work experience. The programme incorporates options for students to be able to exit with a Level 6 Higher Certificate award after two years. Graduates will be eligible for positions within the science and environmental management sector and be particularly qualified where these positions arise within the agri-sector.

Modules


What can I do after the programme?

Students may wish to progress to the current 4th year B.Sc. (Hons) in Environmental & Geographical Sciences award or to a 4th year add-on honours degree in Environmental Management in Agriculture which is currently being developed by LIT. Employment opportunities include work with companies carrying out on-farm environmental and sustainability auditing; as environmental technicians or environmental officers with businesses, public sector bodies and non-governmental organisations (NGOs).
Forensic & Pharmaceutical Science
Bachelor of Science (Honours) *Ab Initio*

**What is the programme about?**
This programme is the first and most reputable of its kind in Ireland. Students achieve a detailed knowledge and understanding of the sciences underpinning the forensic, pharmaceutical and analytical fields. Students will gain exposure to, and experience in, the methodology and techniques at the forefront of these major scientific areas.

In LIT, we place an emphasis on “hands-on work” (approximately 50% of scheduled course work), endowing our graduates with a highly desirable and much sought-after set of skills and expertise: experience in pharmaceutical and forensic science combined with a range of analytical techniques which make graduates highly sought after by employers. Since the beginning of this programme, selected student(s) have been employed each year by the State Laboratory for their work placement.

**Who is the programme suited to?**
The programme is ideal for students with a questioning mind and interested in using Science to solve problems. It will suit any student interested in laboratory Science. This is the most established programme of its kind in Ireland. The six months work placement at home or abroad gives graduates an edge when seeking employment.

**Modules**

<table>
<thead>
<tr>
<th>Year 1: Forensic &amp; Scientific Practice, Biology, Chemistry, Introductory Physics Concepts and Mathematics for Scientists.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 3: Bio-toxicology, Molecular &amp; Immuno Biology, Forensic Toxicology &amp; Drug Analysis, Quality Assurance, Instrumental Analysis, Pharmaceutical Technology, Six month Work Placement which may have an international dimension.</td>
</tr>
</tbody>
</table>

**What can I do after the programme?**
Upon graduation students may progress to a Masters or PhD by research – previous graduates having completed research within LIT, other Irish universities, Oxford University (Ph.D.), University of York (Ph.D.), etc. For graduates that wish to proceed immediately to employment, career prospects are diverse - with graduates holding public and private sector jobs in state labs, healthcare, the pharmaceutical industry, analyst labs and more. The employment record of our graduates within Ireland has been excellent. However, our graduates have also obtained positions in North America, UK and Australia.
Forensic & Pharmaceutical Science

Bachelor of Science

What is the programme about?
This programme is one of the most reputable of its kind in Ireland. LIT aims to produce high quality problem-solving graduates skilled in the measurement principles and techniques employed in Forensic and Pharmaceutical Analysis and students achieve a detailed knowledge and understanding of the sciences underpinning both the forensic, pharmaceutical and analytical fields. Students will gain exposure to, and experience in, the methodology and techniques at the heart of these key scientific areas.

In LIT, we place an emphasis on “hands-on work” (approximately 50% of scheduled course work), endowing our graduates with a highly desirable and much sought-after set of skills and expertise: experience in pharmaceutical and forensic science combined with a range of analytical techniques which make graduates highly sought after by employers.

Who is the programme suited to?
This programme is ideal for students with a questioning mind and interested in using Science to solve problems. It will suit any student interested in laboratory Science. It is the most established programme of its kind in Ireland.

Modules

<table>
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<th>Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>Forensic &amp; Scientific Practice, Biology, Chemistry, Introductory Physics Concepts, and Mathematics for Scientists.</td>
</tr>
<tr>
<td>Year 3</td>
<td>Forensic Toxicology &amp; Drug Analysis, Bio-toxicology, Molecular &amp; Immuno Biology, Quality Assurance, Instrumental Analysis, Pharmaceutical Technology, Project.</td>
</tr>
</tbody>
</table>

What can I do after the programme?
Graduates of the programme will have a great mix of skills and knowledge needed for today’s employment market and are hugely sought after by employers.

The programme also offers a progression route to the Level 8 BSc. (Honours) in Forensic & Pharmaceutical Science within the Department of Applied Science.
Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Patrick Leydon, Programme Leader
Tel: 061 293000
Email: patrick.leydon@lit.ie
Web: www.lit.ie/Courses/LC268

Medical Technology
Bachelor of Science

What is the programme about?
The healthcare industry in Ireland and internationally is growing exponentially and the use of sophisticated medical technology and instrumentation has created a demand for specialized, well trained graduates in the emerging field of Medical Technology. The overall purpose of the programme is to provide students with the opportunity to pursue a multidisciplinary programme of study and meet the growing demand for technologists with specialist skills in Medical Technology.

This programme will allow the student to combine a broad knowledge of science, medical, electrical/electronic principles with the specific knowledge required for the applications of medical technology as an integral member of the healthcare team. Basic Emergency Medical training is also provided as part of the programme. You may also gain a parallel award as an accredited Emergency First Responder.

Who is the programme suited to?
This programme is designed for students who have a keen interest in science, technology and medicine and who wish to pursue successful careers in the dynamic and fast emerging field of Medical Technology. You will have small class sizes, dedicated lecturers, and gain hands-on experience of state of the art medical technologies as they are used in hospital, healthcare and industry settings.

Modules

| Year 1: Cell & Molecular Biology, Applied Chemistry, Principles of Medical Care, Mathematics & Information Technology, Medical Physics, Electrical Engineering Principles, Introduction to Electronics. |
| Year 2: Anatomy & Physiology, Clinical Biochemistry & Medical Microbiology, Medical Technology & Clinical Applications I, Mathematics for Medical Technology, Medical Instrumentation & Calibration, Medical Electrical/Electronic Engineering, Electrical & Instrumentation Drawing (CAD). |
| Year 3: Medical Management & Emergency Care (Elective 1) Medical Technology Project (Elective 2), Medical Technology and Clinical Applications 2, Quality Assurance, Validation and Statistics, Automation & Information Systems for Medical Technology, HMI & SCADA, On-site Placement & Portfolio. |

What can I do after the programme?
The programme content has been carefully developed in conjunction with medical and industrial partners to develop a specific skill set relevant to employment in Medical Technology support roles. The programme offers you excellent employment opportunities and career prospects in key areas within the healthcare sector including Hospitals and other Healthcare Providers, in addition to industry roles in medical equipment manufacture, service, sales and distribution.

Graduates may progress to the one year add-on Level 8 Honours Degree in Medical Technology. Graduates (with Year 3, Elective 1 module) will also be eligible to undertake the external examinations of the Pre-Hospital Emergency Care Council and become an accredited Emergency Medical Technician.
Operating Department Practice
Bachelor of Science (Honours) Ab Initio

What is the programme about?
The private healthcare sector in Ireland is growing rapidly and is creating a demand for graduates of Operating Department Practice to support the surgical teams within the Operating Departments. Operating Department Practitioners (ODPs) provide high standards of patient focussed care during the perioperative journey (anaesthesia, surgery and recovery). Within the role of the ODP you will be able to demonstrate the knowledge, clinical skills and technical competencies required to work safely and effectively. Safe patient care is paramount and you will work as an integral part of the multi-disciplinary theatre team providing clinical care, effectively communicating and sharing key information.

A number of externally accredited parallel awards including Emergency Medical training are provided as an integral part of the programme. These include Cardiac First Responder-Advanced (CFR-A), Emergency First Responder (EFR), Advanced Cardiac Life Support (ACLS) and Paediatric Advanced Life Support (PALS).

A key feature of the programme is the inclusion of more than 1 Year and 4 months clinical placement in hospitals where clinical skills and competencies are developed in a structured and comprehensive manner.

Who is the programme suited to?
This programme is designed for students who have a keen interest in clinical practice and who wish to pursue successful careers in Operating Department Practice. You will also have a genuine interest in caring for people with an emphasis on dignity and respect.

Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Cell &amp; Molecular Biology, Applied Chemistry, Principles of Medical Care, Mathematics Theory &amp; Practice, Medical Physics, Electrical Engineering Principles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2</td>
<td>Anatomy &amp; Physiology, Medical Microbiology &amp; Biochemistry, Pharmacology &amp; Maths for Clinical Practice, Anaesthetic Practice I, Surgical Practice I, Peri/Post-Operative Care, Medical Technology In Clinical Practice I, Medical Instrumentation Performance Verification.</td>
</tr>
<tr>
<td>Year 3</td>
<td>Anaesthetic Practice II, Surgical Practice II, Postoperative Care, Medical Technology In Clinical Practice II, Quality Assurance, Validation and Statistics, Developing the Professional &amp; Caring Practitioner, Clinical Placement Preparation &amp; Practice.</td>
</tr>
<tr>
<td>Year 4</td>
<td>Clinical Placement In Anaesthetic Practice, Clinical Placement In Surgical Practice, Clinical Placement in Postoperative Care Practice, Clinical Placement In Proficiency of Practice &amp; Preparation for Future Practice, Hospital Administration &amp; Management In Healthcare, Work-Based Project- Evidence Based Practice.</td>
</tr>
</tbody>
</table>

What can I do after the programme?
The programme content has been carefully developed in conjunction with hospital and clinical partners to develop a specific skill set relevant to employment in Private Hospitals in the role of Operating Department Practitioner. You will work as a vital part of the Operating Department team working with surgeons, anesthetists and theatre nurses in support of the patient through all stages of their perioperative journey.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Patrick Leydon, Programme Leader
Tel: 061 293000
Email: patrick.leydon@lit.ie
Web: www.lit.ie/Courses/LC269
Andrew Phayer
Creative Broadcast & Film Production Digital Content Producer with Munster Rugby

“My job is very demanding because one day I could be focusing on sound, the next day I could be working on filming, and another day I could be focused on directing but the variety of skills that I learned during my time in LIT have really helped me thrive in this environment.”
## Undergraduate Programmes

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<td>Electrical Engineering Bachelor of Engineering</td>
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<td>LC376</td>
<td>Electronic Engineering Bachelor of Science (Honours)</td>
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<td>LC279</td>
<td>Electronic Engineering Bachelor of Engineering</td>
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<td>LC375</td>
<td>Industrial Automation &amp; Robotic Systems Bachelor of Engineering (Honours)</td>
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<tr>
<td>LC277</td>
<td>Industrial Automation &amp; Robotic Systems Bachelor of Engineering</td>
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<tr>
<td>LC374</td>
<td>Renewable &amp; Electrical Energy Engineering Bachelor of Engineering (Honours)</td>
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<tr>
<td>LC278</td>
<td>Renewable &amp; Electrical Energy Engineering Bachelor of Engineering</td>
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<tr>
<td>LC371</td>
<td>Creative Broadcast &amp; Film Production Bachelor of Science (Honours)</td>
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<td></td>
</tr>
<tr>
<td>LC276</td>
<td>Creative Broadcast &amp; Film Production Bachelor of Science</td>
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<tr>
<td>LC372</td>
<td>Music Technology &amp; Production Bachelor of Science (Honours)</td>
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## Apprentice Programmes

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## Postgraduate Programmes

Details of Postgraduate Programmes are available in our Postgraduate Programmes Handbook. For further information, see: www.lit.ie/postgraduate

## Flexible Programmes

Details of Flexible Programmes are available in our Flexible Programmes Handbook. For further information, see: www.lit.ie/flexiblelearning
The Department of Electrical & Electronic Engineering at LIT offers a diverse range of programmes including electrical engineering, renewable energy, music technology, creative broadcast, automation and electronic engineering.

With up-to-date laboratories, electrical workshops, editing suites and recording studios, students work on today’s best industry standard equipment. A hands-on, practical approach to learning means students have the knowledge but also the skills to meet industry requirements. Students also participate in individual and group projects that are industry relevant.

Give us a call if you would like more information on any of our programmes.

Heads of Faculty
Mr. Paschal Meehan, B.Eng (Hons), EEP, FTC
Ms. Maria Kyne, B.E., M.Eng.Sc, H.Dip(Ed.), C.Eng, FIEI

Head of Department
Dr. Frances Hardiman BEng, PhD, CEng, IPMA

For further information contact
Department of Electrical & Electronic Engineering
Tel: 061 293261

lit.ie/ASET/ElecEng EngineeringLimerickIT @Engineering_LIT
Undergraduate Prospectus 2018/2019

What is the programme about?
Electrical engineering is a diversified and challenging profession concerned with the design, development and control of electrical energy and equipment upon which our technological society so largely depends. Electrical engineers utilize their knowledge of devices and systems design in a multitude of areas. These include generation, transmission, distribution, control and usage of electrical energy in a safe, economic and sustainable way.

This programme provides a broad foundation in electrical and automation engineering through combined classroom and laboratory work and prepares the student for entering the profession of electrical and automation engineering as well as for further study at graduate level. This programme is designed to prepare graduates for positions in design, development, research applications, maintenance and operation in the fields of electrical energy systems, power systems, control and automation. The curriculum is built around a strong basic core of mathematics, engineering science, controls and electrical engineering topics.

This programme allows student to work in industry with placement on Year 3 of the programme. This programme includes practical and project-based learning in well-equipped modern laboratories and builds the practical aptitude of the learners. It introduces them to key relevant technologies and the knowledge necessary for employment in the electrical and automation sectors. The department maintains close links with local industries and consequently many of our graduates are offered employment even before graduation.

Who is the programme suited to?
This programme is designed for persons requiring advanced knowledge in the areas of Advanced Control and Automation Systems, Energy Management, Electrical Power Systems and Power Quality. It has a broad-based curriculum with strong practical content.

Modules

Year 1: Electrical Technology 1, Electrical Installation 1, Electrical Theory for Installation, Electronics 1, Engineering Mathematics 1, Introduction to Energy Systems, Engineering Science, Project 1.


Year 3: This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. Semester 1: Electrical Machines & Power Distribution, Electrical Planning, Layout & Testing, Advanced PLCs, HMI & SCADA, Process Instrumentation & Calibration, Mathematics for Electrical Engineers, Industrial Maintenance & Energy Efficiency. Semester 2: Final year Project or Work placement.


What can I do after the programme?
Electrical Engineering
Bachelor of Engineering

What is the programme about?
This programme is designed to produce graduates with a detailed knowledge of Electrical, Control & Automation Engineering and the skills necessary to identify, formulate, and solve industrial electrical & automation engineering problems. The Electrical Engineer is required to lead fault-finding and trouble-shooting of complex electrical and control equipment and to work with colleagues to achieve project success on-time and within the resources available.

This programme provides a broad foundation in electrical and automation engineering through combined classroom and laboratory work and prepares the student for entering the profession of electrical and automation engineering as well as for further study at graduate level. The curriculum is built around a strong basic core of mathematics, engineering science, controls and electrical engineering topics.

The opportunities also exist for student to work in industry with placement on Year 3 of the programme. This programme includes practical and project-based learning in well-equipped modern laboratories and builds the practical aptitude of the learners and to introduce them to key relevant technologies and knowledge necessary for employment in the electrical and automation sector. The department maintains close links with local industries and consequently many of our graduates are offered employment even before graduation.

Direct entry to Year 2 is possible for suitably qualified Electricians seeking to upgrade their skills and qualifications in order to transfer to jobs in the industrial sector.

Who is the programme suited to?
Have you an interest in how things work? Do you like engineering, taking things apart, putting them back together again? If you have an enquiring mind and a practical aptitude and would like to work with electrical systems in industry, then this programme is for you.

Modules

**Year 1**: Electrical Technology 1, Electrical Installation 1, Electrical Theory for Installation, Electronics 1, Engineering Mathematics 1, Introduction to Energy Systems, Engineering Science, Project 1.

**Year 2**: Electrical Principles 2, Electrical Installation 2, Electrical and Instrumentation Drawing (CAD), Equipment Control Systems, Cisco IP Networking & Scripting, Engineering Mathematics 2, Project 2

**Year 3**: This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. **Semester 1**: Electrical Machines & Power Distribution, Electrical Planning, Layout & Testing, Advanced PLCs, HMI & SCADA, Process Instrumentation & Calibration, Mathematics for Electrical Engineers, Industrial Maintenance & Energy Efficiency. **Semester 2**: Final year Project or Work placement.

What can I do after the programme?
After completing the three years of this programme, you can immediately enter the workforce and start to build your career from there. Graduates will have acquired both the knowledge and the competence to work in: generation, distribution & control of electrical energy. Providing automation solutions, Validation & commissioning at regulated sites. Alternatively, you can continue to complete a Level 8 Honours degree in Electrical Engineering and continue to Masters and PhD studies, either in LIT or other institutes and universities.
What is the programme about?

The modern day ‘smart economy’ is powered by equally smart electronic circuits and systems. The Bachelor of Engineering (Honours) in Electronic Engineering is a four-year engineering programme that provides graduates with a range of practical skills and competences in the areas of hardware development & validation, product software development, embedded systems and digital communications – all highly relevant skillsets for the innovative Electronic Engineer. The programme starts off with basic analogue & digital circuits and programming and progresses towards the development of modern day intelligent circuits and systems. It includes practical and project-based learning and professional development in well-equipped modern laboratories. The hands-on nature of this programme means that you learn more than just the theory, you learn the skills that will put you a step ahead of the competition upon graduation. The wide scope of this programme gives you many possible career paths and allows you to develop your strengths for future employment. Direct entry onto year 4 is possible for learners with appropriate existing level 7 qualifications.

Who is the programme suited to?

If you are interested in having advanced knowledge in the areas of electronic design, quality control and systems engineering in electronics, telecommunications and embedded systems, this programme is for you.

Modules

- **Year 1**: Engineering Mathematics 1, Engineering Science, Electrical Technology 1, Analogue Electronics 1, Project 1, Digital Electronics, C-Programming 1.
- **Year 3**: This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. **Semester 1**: Analogue Electronics 3, Engineering Mathematics 3, Microcontroller and Peripheral Interfacing, Digital Communications, Advanced Networking and Internet Technology, Object Oriented Programming, Data Acquisition and PC Interfacing. **Semester 2**: Final year Project or Work placement.
- **Year 4**: This year is divided into two semesters with electives offered in each semester. **Semester 1**: Statistical Process Control, Embedded Systems, HDL & Digital Design, Electronic Systems Design, Advanced Digital Communications (E), Application Development 1 (E), Final Year Project. **Semester 2**: Applied Statistical Analysis, Real Time Embedded Systems, Advanced HDL, Electronic Systems Analysis, Advanced Digital Communications & Networking (E), Application Development 2 (E), Final Year Project. *(E) = You must choose one Elective module from Semester 1 & 2 in Year 4*

What can I do after the programme?

Completion of this programme will allow you to have a career in the areas of: Embedded Systems Design, Digital Systems Design, Electronic System Validation, Digital Communications Systems. Typical employers include Analog Devices, ON Semiconductor, Intel, Optel Vision and EMC. Alternatively, you can continue to Masters and PhD studies, either in LIT or other institutes and universities.
Electronic Engineering
Bachelor of Engineering

What is the programme about?
This programme is ideal if you want to build an Electronic Engineering career in Design, Manufacturing, Servicing, Marketing or Consultancy. As a graduate, you will have both practical and academic expertise in the area of electronic engineering, telecommunications and in computer and networking systems.
The programme includes practical and project-based learning in well-equipped modern laboratories. The department maintains close links with local industries and consequently many of our graduates are offered employment even before graduation.
The hands-on nature of this programme means that you learn more than just the theory, you learn the skills that will put you a step ahead of the competition upon graduation. The wide scope of this programme gives you many possible career paths and allows you to develop your strengths for future employment.

Who is the programme suited to?
This programme is ideal if you want to build an Electronics Engineering career in Design, Manufacturing, Servicing, Marketing or Consultancy.

Modules

| Year 1: Analogue Electronics 1, Digital Electronics 1, Electrical Technology 1, Engineering Science, Engineering Mathematics 1, C Programming 1, and Project 1 (this is a small group project). |
| Year 3: This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. **Semester 1:** Analogue Electronics 3, Engineering Mathematics 3, Microcontroller and Peripheral Interfacing, Digital Communications, Advanced Networking and Internet Technology, Object Oriented Programming, Data Acquisition and PC Interfacing. **Semester 2:** Final year Project or Work placement. |

What can I do after the programme?
Completion of this programme will allow you to have a career in the areas of: Electronic Design Engineer, Embedded design Engineer, Test / Maintenance Engineer/Technician, Sales/Marketing.
Alternatively, you can continue to complete a Level 8 Honours degree in Electronic Engineering and continue to Masters and PhD studies, either in LIT or other institutes and universities.
Industrial Automation & Robotic Systems
Bachelor of Engineering (Honours)

What is the programme about?
This is a multidisciplinary four-year engineering programme. It has an excellent graduate employment rate and provides graduates with a range of practical skills and competences in areas such as: Electro-Mechanical, Electronics, PLCs, SCADA, Control and Instrumentation, Industrial Networks, Data Modelling, Motion Control, Robotics and Software engineering.

Manufacturing in Ireland is highly automated and there is a move towards Industry 4.0, the smart factory, which is advancing manufacturing operations in Ireland. Modern automated production lines will involve data exchange, cyber-physical systems, the Internet of Things and cloud computing. It is this advancement that requires a programme such as Industrial Automation & Robotic Systems to develop and ensure that technicians and engineers leave the programme with skills and competences that allow them to design, commission, debug and repair intelligent machines, including industrial robots and flexible manufacturing systems. Direct entry onto year 4 is possible for learners with appropriate existing level 7 qualifications.

Who is the programme suited to?
Automation and robotics is a fascinating area of study. If you are interested in how things work, have a logical mind, have an appreciation of the power of automation, and of how much it is going to impact our lives in the future, then you will enjoy and be successful in this area.

Modules

Year 1:
- Engineering Mathematics 1
- Engineering Science
- Electrical Technology 1
- Industrial Electronics 1
- Project 1
- Electrical Workshop 1
- Programming 1
- Mechanical Maintenance Principles

Year 2:
- Engineering Mathematics 2
- Electrical Technology 2
- Electrical Workshop 2
- Industrial Electronics 2 and C Programming
- Instrumentation & Process Control
- Pneumatics and PLC’s
- Project 2
- Electrical, Mechanical and Instrumentation Drawing (CAD)

Year 3:
- This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement.
- Semester 1: Engineering Mathematics 3, Manufacturing Automation, IP Networks, Applied C Programming, Robotics and Motion Control, Advanced PLCs, HMI and SCADA.
- Semester 2: Final year Project or Work placement.

Year 4:
- This year is divided into two semesters with electives offered in each semester.

(E) = you must choose one Elective module from Semester 1 & 2 in Year 4.

What can I do after the programme?
Completion of this programme will allow you to have a career in the areas of: Automation Engineer, Automation Controls Engineer, Manufacturing Engineer, Equipment Engineer, System Integrator, PLC and SCADA Programmer, Field Service Engineer.
Industrial Automation & Robotic Systems

Bachelor of Engineering

What is the programme about?
The Bachelor of Engineering in Industrial Automation & Robotic Systems is a multidisciplinary three-year engineering programme. The main areas of engineering covered on the programme include: Electrical, Electronics, Advanced PLCs and SCADA, Programming, Process Control and Instrumentation, CAD, Industrial Networks, Motion Control and Robotics Systems and Work Placement.

Manufacturing in Ireland is highly automated and there is a move towards Industry 4.0, the smart factory, which is advancing manufacturing operations in Ireland. Modern automated production lines will involve data exchange, cyber-physical systems, the Internet of Things and cloud computing. It is this advancement that requires a programme such as Industrial Automation & Robotic Systems to develop and ensure that technicians and engineers leave the programme with skills and competences that allow them to design, commission, debug and repair intelligent machines, including industrial robots and flexible manufacturing systems. With that, it is essential that the skills are transferrable across a range of sectors such as biomedical, automotive, food processing and electronic manufacturing sectors.

As a graduate, you will have skills that will allow you to work with highly automated and robotic manufacturing systems. You will learn the skills allowing you to work safely and competently with electrical/electronic control systems and electro-mechanical systems.

Direct entry to Year 2 is possible for suitably qualified electricians.

Who is the programme suited to?
Automation and robotics is a fascinating area of study. If you are interested in how things work, have a logical mind, have an appreciation of the power of automation, and of how much it is going to impact our lives in the future, then you will enjoy and be successful in this area.

Modules

Year 1: Engineering Mathematics 1, Engineering Science, Electrical Technology 1, Industrial Electronics 1, Project 1, Electrical Workshop 1, Programming 1, Mechanical Maintenance Principles.


Year 3: This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. Semester 1: Engineering Mathematics 3, Manufacturing Automation, IP Networks, Applied C Programming, Robotics and Motion Control, Advanced PLCs, HMI and SCADA. Semester 2: Final year Project or Work Placement.

What can I do after the programme?
Completion of this programme will allow you to have a career in the areas of: Automation Engineer, Process Control Engineer, Equipment Maintenance Technician, PLC and SCADA Programmer, Field Service Technician, Manufacturing/Industrial Maintenance Technician. Alternatively, you can continue to complete a Level 8 Honours degree in Industrial Automation & Robotic Systems and continue to Masters and PhD studies, either in LIT or other institutes and universities.
What is the programme about?

Energy and especially Electrical Energy is needed for everything we do in today's world. Climate change is real and caused by burning fossil fuels. While energy prices are low at the moment they won't stay low in the long term. So, we need new ways to produce energy and we need to make smarter use of the energy we have. The EU and Ireland have set very ambitious targets for renewable energy and energy efficiency. The outcome of the COP21 Climate Change Agreement in Paris may lead to more aggressive energy targets. Meeting these targets will need huge investment in energy production, distribution, monitoring and control systems. This will create jobs for people with the right skills.

This programme covers all the technologies needed to produce energy and in particular electrical energy from renewable sources, to monitor and control energy systems and to connect them to the electricity grid. It is a mixture of theory and practical hands-on learning in all aspects of Renewable Energy Technology, electrical technology and automated monitoring and control systems. The skills learned on the programme can be used in a wide range of industries and good graduates are in high demand.

Who is the programme suited to?

Anyone interested in a career in the expanding renewable energy, energy efficiency, electrical or control systems sectors. The programme covers a broad range of technologies which can be applied in many different sectors and past graduates now work in a wide variety of industries. It is not necessary to have studied Engineering for the Leaving Cert, all the required engineering science and practical skills are covered within the programme.

Minimum Entry Requirements:

Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including English or Irish plus a minimum of a grade O4 in Ordinary Level Mathematics.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section 'Entry Requirements' for further information.

Non-CAO applicants holding a suitable Craft Certificate or Level 6 Higher Certificate may qualify for advanced entry to Year 2 or 3. Those with a suitable Level 7 qualification may qualify for advanced entry to Year 3 or 4. Applicants should apply directly to LIT for consideration for advanced entry.

FOR FURTHER INFORMATION

Tel: 061 293262/293263
Email: renewables@lit.ie
Web: www.lit.ie/Courses/LC374

New Programme

Renewable & Electrical Energy Engineering
Bachelor of Engineering (Honours)

What can I do after the programme?

Completion of this programme will allow you to have a career in areas such as: Design, Implementation and optimization of renewable energy systems, Energy Management, Electrical Systems Engineering. Typical employers: Eirgrid, ESB, Enron, Siemens, SL Controls, Rockwell Automation, ResourceKraft Energy Management.

Alternatively, you can continue to Masters and PhD studies, either in LIT or other institutes and universities.
Renewable & Electrical Energy Engineering
Bachelor of Engineering

What is the programme about?
Energy and especially Electrical Energy is needed for everything we do in today's world. Climate change is real and caused by burning fossil fuels. While energy prices are low at the moment they won’t stay low in the long term. So we need new ways to produce energy and we need to make smarter use of the energy we have. The EU and Ireland have set very ambitious targets for renewable energy and energy efficiency. The outcome of the COP21 Climate Change Agreement in Paris may lead to more aggressive energy targets. Meeting these targets will need huge investment in energy production, distribution, monitoring and control systems. This will create jobs for people with the right skills.

This programme covers all the technologies needed to produce energy and in particular electrical energy from renewable sources, to monitor and control energy systems and to connect them to the electricity grid. It is a mixture of theory and practical hands-on learning in all aspects of Renewable Energy Technology, electrical technology and automated monitoring and control systems. The skills learned on the programme can be used in a wide range of industries and good graduates are in high demand.

Who is the programme suited to?
Anyone interested in a hands-on career in the expanding renewable energy, energy efficiency, electrical or control systems sectors. The programme covers a broad range of technologies which can be applied in many different sectors and past graduates now work in a wide variety of industries. It is not necessary to have studied Engineering for the Leaving Cert, all the required engineering science and practical skills are covered within the programme.

Modules

<table>
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<tbody>
<tr>
<td>Year 3</td>
<td>This year is divided into two semesters. Semester 1 is a 20 week semester. Semester 2 is a 10 week work based project/placement. Semester 1: Wind Energy and Renewable Integration, Electrical Machines &amp; Power Distribution, Industrial Maintenance and Energy Efficiency, Process Instrumentation &amp; Calibration, Advanced PLCs, HMI &amp; SCADA, Mathematics. Semester 2: Final year Project or Work placement.</td>
</tr>
</tbody>
</table>

What can I do after the programme?
Completion of this programme will allow you to have a career in areas such as:


Alternatively, you can continue to complete a Level 8 Honours degree Renewable & Electrical Energy Engineering or to other level 8s within LIT or in other colleges as this Level 7 is accredited by Engineers Ireland and recognised worldwide.

Minimum Entry Requirements:
Leaving Certificate: Applicants must satisfy a minimum entry requirement of grade O6 in four subjects including English or Irish plus a minimum grade of O5 in Ordinary Level Mathematics.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Non-CAO applicants holding a suitable Craft Certificate or Level 6 Higher Certificate may qualify for advanced entry to Year 2 or 3. Those with a suitable Level 7 qualification may qualify for advanced entry to Year 3 or 4. Applicants should apply directly to LIT for consideration for advanced entry.

FOR FURTHER INFORMATION
Tel: 061 293262/293263
Email: renewables@lit.ie
Web: www.lit.ie/Courses/LC278

Department of Electrical & Electronic Engineering

Code: LC278
Programme Level: 7
CAO Points 2016: 205
Duration: 3 Years
Location: Moylish Campus, Limerick
Entry Requirements:
Applications to the programme can only be submitted by registered Employers. The programme is primarily designed for qualified electricians who meet the entry criteria below:

1. Holder of the Advanced Certificate (Level 6) in Craft (Electrical)
2. Holder of the Advanced Certificate (Level 6) in Craft (Electrical/Instrumentation) or Craft (Refrigeration)
3. Holder of the LIT Higher Certificate in Electrical Engineering (Level 6), or a cognate Level 6 Electrical Certificate, with relevant industrial electrical experience

FOR FURTHER INFORMATION
Contact: Admissions Office
Tel: 061 293262
Email: admissions@lit.ie

Apprenticeship in Industrial Electrical Engineering
Bachelor of Engineering

What is the programme about?
This is an employer driven programme, developed in collaboration with the Electrical, Engineering, Automation and Manufacturing sectors. The programme spans 24 months with 70% of the time on the job and two 15-week blocks spent at LIT. Students will remain in paid employment for the 24-month period, allowing them to “earn while you learn”.

Who is the programme suited to?
The Apprenticeship in Industrial Electrical Engineering is specifically designed as a progression programme for qualified Electricians who wish to upskill and move into Engineering roles in industry. The programme is suited to anyone qualified as an electrician holding the Advanced Certificate Craft – Electrical.

Modules

Stage 1: On the Job
• Work Based Learning Portfolio
• Industrial Communications and Personal Development

Stage 2: Institution Block (15 weeks)
• Industrial Electrical Control Systems
• Electrical and Instrumentation Drawing
• Advanced Electrical Workshop
• Engineering Communications and Collaborative Working
• Engineering Mathematics
• Electrical Planning and Layout
• Electrical Machines

Stage 3: On the Job
• Work Based Project

Stage 4: Institution Block (15 weeks)
• Probability and Statistics
• Industrial Maintenance Systems
• Electrical Testing and Fault Finding
• Advanced PLC Systems
• Energy Efficiency in Industry

Electives (select 2):
• Process Instrumentation and Calibration
• HMI and SCADA Systems
• HV and Distributed Electrical Systems

Stage 5: On the Job
• Project Management
• Industrial Project
• Work Based Learning Portfolio

Employer Registration: Applications for entry to the apprenticeship can only be submitted by an employer who is registered for the Industrial Electrical Engineering Apprenticeship on the SOLAS Apprenticeship Client Services System.

Apprentice Application: Where the candidate has been approved by their employer they should complete a LIT ‘Undergraduate Advanced Entry Application Form’ with details of their prior qualifications and industrial experience.
Creative Broadcast & Film Production
Bachelor of Science (Honours)

What is the programme about?
This skills based programme offers students an exciting opportunity to explore the world of the broadcast media industry, covering a range of disciplines across Film & TV Production, Visual Effects, editing, radio, audio mixing, photography, as well as broadcast technologies across a range of new and traditional media platforms. We offer our students a range of prospects for both academic & career progression in the broadcast, film, creative media industries, as well as extensive hands on production work experience. If you have a story to tell, we will show you how.

Features of the programme:
- Industry led Production & Post Production Practices;
- Digital Photography & Cinematography Techniques;
- Creative Design for CGI, VFX & Digital Art Direction;
- Participate in the Limerick International Film Festival (Hosted by the film production course);
- Work in our state of the art Millennium Theatre on a range of live events;
- Work on Wired FM - our student Radio Station;
- Industry Tours & Award winning Visiting Lecturers;
- Industry work experience – (Year 3);
- Modules driven by dedicated staff with strong industry & academic careers;
- Outstanding graduate employment opportunities in the Film & Broadcast industries.

Who is the programme suited to?
If you are interested in filmmaking and storytelling on screen, this programme aims to develop the practical creative and technical skills and knowledge you will need to succeed in the dynamic world of film and broadcast production across a range of screen platforms.

Modules

Year 1: Broadcast Production, Media Management & Post production, Radio Production, Digital Storytelling, Photography & Photo Journalism, Social Media.

Year 2: Short Screen Production, Broadcast Editing, Audio Workstation, Electronic Systems, Film Motion Graphics, Digital Set Design, Event Staging & Management, Internet Media Technology.

Year 3: Multicam Production & Direction, Film Post Production, Soundscape Post Production, VFX Compositing & Portfolio, Screen lighting & Cinematography, Industry work experience.

Year 4: (Core) Broadcast Production Management, Audio for Picture 4, Music/Audio Project and Dissertation, Advanced Film Post Production.
Students are offered a choice of two electives (subject to placement). Electives: Audio Video Digital Signal Processing, Broadcast and Copyright Law, Event Staging and Management 3

What can I do after the programme?
Completion of this programme will allow you to have an advanced career in the areas of: Camera Operations, Sound Recording, Lighting Operator, Radio, Research & Production Assistant, Sound Engineering & Mixing, Data Wrangling, VFX & Motion Graphics, Games Development, Foley & Sound Effects, Photography, Production Assistant Live Events, Post Production Video Editor, CGI Digital Art Direction, Multimedia Promotions & Event Management. Alternatively, you can continue to Masters and PhD studies, either in LIT or other institutes and universities.
What is the programme about?

This skills based programme offers students an exciting opportunity to explore the world of the broadcast media industry, covering a range of disciplines across Film & TV Production, Visual Effects, editing, radio, audio mixing, photography, as well as broadcast technologies across a range of new and traditional media platforms.

Upon successful completion of this Level 7 programme students can progress to a level 8 B.Sc (Honours). We offer our students a range of prospects for both academic & career progression in the broadcast, film, creative media industries, as well as extensive hands on production work experience. If you have a story to tell, we will show you how.

Features of the programme:
- Industry led Production & Post Production Practices;
- Digital Photography & Cinematography Techniques;
- Creative Design for CGI, VFX & Digital Art Direction;
- Participate in the Limerick International Film Festival (Hosted by the film production course);
- Work in our state of the art Millennium Theatre on a range of live events;
- Work on Wired FM - our student Radio Station;
- Industry Tours & Award winning Visiting Lecturers;
- Industry work experience— (Stage 3 Level 7);
- Modules driven by dedicated staff with strong industry & academic careers;
- Outstanding graduate employment opportunities in the Film & Broadcast industries.

Who is the programme suited to?

If you are interested in filmmaking and storytelling on screen, this course aims to develop the practical creative and technical skills and knowledge you will need to succeed in the dynamic world of film and broadcast production across a range of screen platforms.

Modules

Year 1: Broadcast Production, Media Management & Post production, Radio Production, Digital Storytelling, Photography & Photo Journalism, Social Media.

Year 2: Short Screen Production, Broadcast Editing, Audio Workstation, Electronic Systems, Film Motion Graphics, Digital Set Design, Event Staging & Management, Internet Media Technology.

Year 3: Multicam Production & Direction, Film Post Production, Soundscape Post Production, VFX Compositing & Portfolio, Screen lighting & Cinematography, Industry work experience.

What can I do after the programme?

Completion of this programme will allow you to have a career in the areas of: Camera Operations, Sound Recording, Lighting Operator, Radio, Research & Production Assistant, Sound Engineering & Mixing, Data Wrangling, VFX & Motion Graphics, Games Development, Foley & Sound Effects, Photography, Production Assistant Live Events, Post Production Video Editor, CGI Digital Art Direction, Multimedia Promotions & Event Management. Alternatively, you can continue to complete a Level 8 Honours degree in Creative Broadcast & Film Production and continue to Masters and PhD studies, either in LIT or other institutes and universities.

Minimum Entry Requirements:

Leaving Certificate: A minimum of 5 06/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish. Foundation Level Mathematics at grade F2 or higher is acceptable as meeting the Mathematics requirement for this programme.

QFI FET/FETAC Applicants & Mature Applicants: Refer to section “Entry Requirements” for further information.

Non-CAO applicants holding a suitable Craft Certificate or Level 6 Higher Certificate may qualify for advanced entry to Year 2 or 3. Those with a suitable Level 7 qualification may qualify for advanced entry to Year 3 or 4. Applicants should apply directly to LIT for consideration for advanced entry.

FOR FURTHER INFORMATION

Tel: 061 293262/293263
Email: film@lit.ie
Web: www.lit.ie/Courses/LC276
Music Technology and Production
Bachelor of Science (Honours)

What is the programme about?
This programme is ideal for students wishing to build a career in the Music and Audio production industry. Graduates will have the knowledge and skills needed to perform at a high-level in a number of modern technical environments, including: recording studios, video editing suites, and in live theatre.
Graduates will know the principles and operation of studio equipment in both digital and analogue realms; will learn the specifics of music, musical instruments and factors affecting the quality of recording, including: mixing, mastering and mass production. Later in the programme an emphasis is placed on the music business and business planning, particularly in relation to events and events management.
Music Technology and Production students have access to state-of-the-art recording and production facilities at LIT and our experienced lecturers give students the thorough, hands-on and personal support they need to make the most of their studies. Features of the programme include producing Music, i.e. recording, synthesizing, sequencing, composing, performing, editing, evaluating, marketing and selling music.

Who is the programme suited to?
This programme will appeal to any students wishing to build a career in the music and audio production industry.

Modules

<table>
<thead>
<tr>
<th>Year</th>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1:</td>
<td>Music, Digital Audio, Music Technology, Audio Aural Skills, Audio Electronics, Acoustics.</td>
</tr>
<tr>
<td>Year 4:</td>
<td>Music Production, Advanced Mixing, Audio Video Digital Signal Processing, Video Post-Production, Broadcast and Copyright Law, Event Management, Project.</td>
</tr>
</tbody>
</table>

What can I do after the programme?
Graduates can pursue a career in the music and audio production industry or progress academically to Level 9 or 10 programmes. Graduates will have the knowledge and skills required to work in a modern technical environment, such as in recording studios, video editing suites and in live theatre.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish. Foundation Level Mathematics at grade F2 or higher is acceptable as meeting the Mathematics requirement for this programme.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Non-CAO applicants holding a suitable Craft Certificate or Level 6 Higher Certificate may qualify for advanced entry to Year 2 or 3. Those with a suitable Level 7 qualification may qualify for advanced entry to Year 3 or 4. Applicants should apply directly to LIT for consideration for advanced entry.
What is the programme about?
This programme is ideal for students wishing to build a career in the Music and Audio production industry. Graduates will have the knowledge and skills needed to perform at a high-level in a number of modern technical environments, including: recording studios, video editing suites, and in live theatre. Graduates will know the principles and operation of studio equipment in both digital and analogue realms; will learn the specifics of music, musical instruments and factors affecting the quality of recording, including: mixing, mastering and mass production. Later in the programme an emphasis is placed on the music business and business planning, particularly in relation to events and events management.

Music Technology and Production students have access to state-of-the-art recording and production facilities at LIT and our experienced lecturers give students the thorough, hands-on and personal support they need to make the most of their studies. Features of the programme include producing Music, i.e. recording, synthesizing, sequencing, composing, performing, editing, evaluating, marketing and selling music.

Who is the programme suited to?
This programme will appeal to any students wishing to build a career in the music and audio production industry.

Modules

What can I do after the programme?
On successful completion of the programme, graduates can operate in a wide variety of roles in the music industry and use these skills in related areas where content provision is crucial. Successful graduates of this programme are eligible to progress to the Level 8 Bachelor of Science (Honours) degree in Music Technology and Production.
The Department of Electrical and Electronic Engineering operates eleven-week block release programmes for Registered Apprentices in the Electrical trades. All apprentices attend the Institute for two blocks (called Phase 4 and Phase 6) during their apprenticeship.

**Core Modules**


The Department of Electrical and Electronic Engineering also offers a Level 7 Apprenticeship in Industrial Electrical Engineering for people with an existing Level 6 Electrical Trade. For further details contact, electricalapprenticeship@lit.ie.

**Awarding Body:**

Further Education and Training Awards Council (FETAC)

**FOR FURTHER INFORMATION**

**SOLAS LIMERICK**

Tel: 061 487915

**SOLAS DUBLIN**

Tel: 01 6070500
Damien O’Sullivan

BSc (Hons) in Process & Engineering Management

Damien received an Award for Excellence from Modular Automation.
Department of Mechanical & Automobile Engineering

Faculty of Applied Science, Engineering and Technology

**Undergraduate Programmes**

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<td>Higher Certificate in Engineering</td>
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<tr>
<td>LC281</td>
<td>Automobile Technology</td>
<td>Higher Certificate in Engineering</td>
<td>p99</td>
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<td>LC288</td>
<td>Mechanical Engineering</td>
<td>Bachelor of Engineering (Honours)</td>
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<td>Mechanical Engineering</td>
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<td>Add-on</td>
<td>Process &amp; Engineering Management</td>
<td>Bachelor of Science (Honours)</td>
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**Craft Apprentice Programmes**

Craft apprentice programme Mechanical Trade & Motor Trade SOLAS Apprenticeship at LIT  p106
The Department of Mechanical and Automobile Engineering has played a key role in education in Limerick City since the 1960s. The Department of Mechanical and Automobile Engineering provides programmes at Craft Apprenticeship (Trade of Mechanical, Automation and Maintenance Fitter and Trade of Light Vehicle Mechanic), Higher Certificate, Degree, Honours Degree and Postgraduate Degree in Mechanical Engineering, Automobile Engineering, Facilities Engineering and Agricultural Engineering.

The Department’s mission is to provide the opportunity to inspire and enable both staff and students to develop to their highest potential throughout life, so they grow intellectually, are well-equipped for work and can achieve fulfilment. The Department of Mechanical and Automobile Engineering also aims to play a major role in shaping a democratic, civilized and inclusive society through the education of the individual and increase knowledge and understanding for their own sake and to foster their application for the benefit of the economy and society. An add-on Bachelor of Science (Honours) degree in Process and Engineering Management has been developed in response to the needs of industry in the areas of Project Management, Applied Process Improvement, Regulatory Affairs and Validation, Supply Chain Management, Operations Management and Quality Systems.

Give us a call if you would like to discuss our programmes in further detail.
Mechanical & Automobile Engineering
Progression Opportunities

Postgraduate Studies
Level 9 & Level 10

4 Years: Ab-initio Level 8 Honours Degree
LC288 Mechanical Engineering

1 Year Add-on:
Level 8 Honours Degree
Mechanical Engineering (Facilities)

1 Year Add-on:
Level 8 Honours Degree
Process & Engineering Management

3 Years: Level 7 Degree
LC285 Mechanical Engineering

3 Years: Level 7 Degree
LC283 Precision Engineering

3 Years OR 1 Year Add-on:
Level 7 Degree
LC286 Road Transport Technology & Management

2 Years: Level 6 Higher Certificate
LC281 Automobile Engineering

2 Years: Level 6 Higher Certificate
LC284 Agricultural Mechanisation

College Entry
Leaving Cert, QQI/FETAC, Mature
What is the programme about?
This programme provides students with education and training to work within the area of Agricultural Technology. The focus of this programme is firmly on the provision of skilled technicians for the farm machinery industry in Ireland.

The subject matter includes tractor engineering and workshop process, machinery operation, electrical and electronic technology, administration and management, engineering science and mathematics, engineering drawing and CAD and computer studies, project and industrial placement together with a high degree of personal and practical skills. Students will be taught a mix of technology, practical, academic, administrative and managerial modules which will prepare them to carry out complex diagnostics and repairs of modern machinery and to be receptive to future technological developments to take advantage of vacancies that will arise within the industry.

The programme has a high practical content with the inclusion of a 33 week work placement in approved training locations such as main garages, contractors and fabricators. Students will also have the opportunity to complete the work placement abroad. The placement will give students the job skills necessary for today's employment market. This programme is run in conjunction with the Salesian Agricultural College, Pallaskenry, Co. Limerick. In Year 1, 4 days are delivered in Pallaskenry with 1 day attendance on LIT’s Moylish Park campus in Limerick. In Year 2, 3 days are delivered in Pallaskenry and 2 days in LIT.

NOTE: Salesian Agricultural College, Pallaskenry, Co Limerick (SACP) charge a separate additional fee to students on programme LC284 to cover the cost of Food, Materials (and if availed of Accommodation) at Pallaskenry. For details please contact SACP at 061 393100 or see: www.pallaskenry.com

Who is the programme suited to?
The programme is suited to those with an interest in understanding and learning about agricultural machinery. The programme has a good balance of theory and practical and is suited to those people who prefer “hands-on” work and who want to be able to maintain and operate farm machinery.

Modules

### Year 1

### Year 2

What can I do after the programme?
Graduates of the programme can progress to a Level 7 Bachelor of Engineering in Road Transport Technology and Management degree at LIT or abroad (Harper Adams, Reaseheath), Trades. Employment opportunities include Machinery Dealerships, Machinery Importers, Machinery Manufacturers, Agricultural Contractors, Heavy Plant Operators.
Automobile Technology
Higher Certificate in Engineering

What is the programme about?
This programme offers students a combination of technological, business and management skills specifically related to the automotive/transport industry.

Graduates of this programme will have the concepts and ideas that will allow them to develop the necessary competency to become technicians and managers in today’s automotive and transport industry. Transportation technology has been identified by government as a key issue in maintaining and enhancing the competitiveness of our economy in the decades ahead.

Who is the programme suited to?
This programme is ideal for people who have an interest in cars and other motorised vehicles. You will study how they work, from the complexity of modern engines to the electrical, braking, steering and all the other ancillary systems of a vehicle. This is a programme involving a good amount of ‘hands-on’ work with plenty of garage workshop exercises and experiments.

Modules


What can I do after the programme?
Graduates of this programme can progress to a Level 7 Bachelor of Engineering in Road Transport Technology & Management at LIT.

With a mix of skills offered on this programme, students have more versatility in the jobs available after graduation. Job opportunities for graduates include: Automobile Service Technician, Service Manager, Parts Manager, Warranty Manager, Auto Electrics Technician, Technical Salesman, Technical Sales Rep, and Motor Vehicle Technician.

Graduates can apply for membership to the Institute of Road Transport Engineering and the Institute of the Motor Industry (UK) where they will be awarded ‘Certified Automotive Engineer’ status (CAE).

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Candidates who hold a Senior Trade Certificate and/or National Craft Certificate with appropriate endorsements or examination attainments in a cognate area will also be considered for entry, subject to a satisfactory interview. Holders of a National/Higher Certificate (Level 6) in Engineering or Technology may be considered for admission to Year 2 or 3 of these programmes. Candidates applying as mature applicants will be required to attend an interview and may be requested to take an aptitude test to prove their suitability for a place on this programme.

FOR FURTHER INFORMATION
Contact: Mr. Niall O’Shaughnessy, Programme Leader
Tel: 061 293331
Email: niall.oshaughnessy@lit.ie
Web: www.lit.ie/Courses/LC281
What is the programme about?

This new honours degree programme has been designed to provide students with a broad understanding of Mechanical Engineering. Mechanical Engineers are involved with almost every aspect of our daily lives, innovating and designing machines from computers to power generators to medical equipment. A Mechanical Engineering qualification offers graduates a huge variety of career paths across a wide range of industries.

This programme focuses on the practical aspects of Mechanical Engineering, such as Computer Aided Design, Engineering Processes and Maintenance, Refrigeration and Air Conditioning, Plant Engineering, Instruments and Control, etc. Mechanical Engineers apply sophisticated computer based tools and equipment such as Computer Aided Design (CAD), robotics and computer controlled manufacturing systems to aid the quality and speed of machinery production. This programme is taught with a practical, hands-on approach, giving students the skills needed for the employment market.

We welcome applications from holders of apprenticeships in the mechanical trades, and from persons with manufacturing backgrounds, that wish to upgrade their skills and qualifications. Direct entry into Year 2 is possible for suitably qualified applicants with Craft qualifications or manufacturing backgrounds.

Who is the programme suited to?

If you are curious by nature and believe that you would enjoy working with complex machinery, then this honours degree programme is for you. You will learn how to build, repair, modify, design and fault-find modern mechanical systems and technologies. The programme has a significant amount of practical work involved and you will acquire excellent skills and knowledge.

Modules


What can I do after the programme?

On successful completion of the programme, job opportunities for graduates include: Product Engineer, Mechanical Engineer, Facilities Engineer, Design Engineer, Building Operations Supervisor. LIT Engineering graduates work for Vistakon, Boston Scientific, Irish Rail, ESB, etc.
Mechanical Engineering
Bachelor of Engineering

What is the programme about?
This programme provides students with a broad understanding of Mechanical Engineering technology allowing students to enter the job market as an Associate Level Engineer or to pursue further education such as the Level 8 Bachelor of Mechanical Engineering (Facilities) (Honours) at LIT.

This programme focuses on the practical aspects of Mechanical Engineering, such as Computer Aided Design, Engineering Processes and Maintenance, Refrigeration and Air Conditioning, Plant Engineering, Instruments and Control, etc. Mechanical Engineers apply sophisticated computer based tools and equipment such as Computer Aided Design (CAD), robotics and computer controlled manufacturing systems to aid the quality and speed of machinery production. The programme is taught with a practical, hands-on approach, giving students the skills needed for today’s employment market.

We welcome applications from holders of apprenticeships in the mechanical trades, and from persons with manufacturing backgrounds, that wish to upgrade their skills and qualifications. Direct entry into Year 2 is possible for suitably qualified applicants with Craft qualifications or manufacturing backgrounds.

Who is the programme suited to?
If you are curious by nature and believe that you would enjoy working with complex machinery, then this programme is for you. You will learn how to build, repair, modify, design and fault-find modern mechanical systems and technologies. The programme has a significant amount of practical work involved and you will acquire excellent skills and knowledge.

Modules


What can I do after the programme?
Graduates of this programme can progress to the Level 8 Bachelor of Mechanical Engineering (Facilities) (Honours) at LIT. Job opportunities for graduates include: Product Engineer, Mechanical Engineer, CAD Technician. Some LIT graduates work for Vistakon, Boston Scientific and Irish Rail. Engineers Ireland (formerly the IIE) will recognise this qualification.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Candidates who hold a Senior Trade Certificate and/or National Craft Certificate with appropriate endorsements or examination attainments in a cognate area will also be considered for entry, subject to a satisfactory interview. Holders of a National/Higher Certificate (Level 6) in Engineering or Technology may be considered for admission to Year 2 or 3 of these programmes. Candidates applying as mature applicants will be required to attend an interview and may be requested to take an aptitude test to prove their suitability for a place on this programme.

FOR FURTHER INFORMATION
Contact: Mr. Tony Mahon, Programme Leader
Tel: 061 293345
Email: tony.mahon@lit.ie
Web: www.lit.ie/Courses/LC285

Have you a Craft qualification or a manufacturing background?
A 2 year Higher Certificate in Mechanical Engineering is available at LIT and can be used as a pathway to further study. See www.lit.ie/direct for further information.
What is the programme about?
This is the first programme of its kind in the mid-west region. Modern businesses demand an increasingly high quality environment in which to work. Over the past number of years the development of industrial and commercial facilities has undergone massive growth and change. The design of heating, ventilation and air conditioning, visual and aural services, lighting, transportation and security systems are becoming more complex, efficient and sophisticated to meet this demand.

Graduates will have the appropriate qualifications and have developed a greater knowledge and understanding of the systems, processes and structures used in this industry to solve facilities engineering problems.

Students will specialise in Building Information Modelling (BIM), Building Energy Analysis, Facilities Management, Building Management Systems (BMS), etc.

Who is the programme suited to?
The programme is suited to Mechanical Engineering students who hold a Level 7 degree (or equivalent), with emphasis being placed on aspects of mechanical engineering such as heat transfer, thermodynamics, plant engineering and systems design.

Modules
- Mechanical Services, Building Management Systems & Technology
- Building Information Modelling
- Building Energy Analysis
- Facilities Management
- Dissertation

What can I do after the programme?
On successful completion of the programme, job opportunities for graduates include: Facilities Engineer, Design Engineer, Building Operations Supervisor.
Precision Engineering
Bachelor of Engineering

What is the programme about?
Precision engineering is involved with the design, manufacturing and measurement of highly specified parts for the medical, aerospace, automotive, oil and gas exploration and related industry. This degree has been designed with industry to respond efficiently and effectively to the needs of the Precision Engineering industry. Students learn how to work effectively with both manual and CNC machines to produce parts from an initial design to a final product. Parts are designed using CAD systems to develop solutions to engineering problems and when completed the accuracy will measure specialised measurement equipment such as co-ordinate measuring machines (CMM). Students will work as individuals and in groups on a variety of industrial standard engineering projects.

This degree is an active learning programme with the application of theory in workshop/labs with hands-on experience on state-of-the-art CNC machines, CAM software and metrology equipment. Students will use some of the newest CNC technology such as Fanuc Robodrill (3 axis milling machine) Spinner 5-axis milling machine, Mazak twin spindle lathe with milling capability.

Who is the programme suited to?
This programme is suited to those that are interested in learning to design, manufacture and evaluate precision parts and assemblies used in high and low technology devices.

Modules


**Year 3:** Semester 1: (September to December): Advanced CNC Machining 1, Advanced Six Sigma and Metrology 1, Applied Mechanical Engineering Mathematics 2, Process Planning, Materials Selection, Group Project.


What can I do after the programme?
Programme graduates will work as precision engineers in world class manufacturing and production environments and will be highly skilled in areas of CNC machining, CAD/CAM, metrology and material selection methods.

Graduates will typically be employed in one of the following roles: Precision engineer in a world class machining environment; Applications engineer utilising CAD/CAM to maximise utilisation of machines tools; Design Engineer and Development of Complex components; Manufacturing engineer; Production engineer; CNC machinist and programmer; Materials engineer; Process control engineer; Equipment test engineer/technician; Engineer in the medical device, human implant, and Life Sciences Industries.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

Note: Candidates applying as mature applicants will be required to attend an interview and may be requested to take an aptitude test to prove their suitability for a place on this programme.

Advanced Entry
Level 6 Craft Certificate (trade) or equivalent such as Fitting or Toolmaking Candidates who hold a Senior Trade Certificate and/or National Craft Certificate with appropriate endorsements or examination attainments in a cognate area will also be considered for advanced entry into Year 2 or 3, subject to a satisfactory interview.

FOR FURTHER INFORMATION
Contact: Mr. Ciarán O’Loughlin, Programme Leader
Tel: 061 293339
Email: ciaran.oloughlin@lit.ie
Web: www.lit.ie/Courses/LC283
What is the programme about?

This programme is a mix of technological, business and management skills specifically related to the automotive/transport industry. Students will be exposed to concepts and ideas that will allow them to develop the necessary competencies to launch a career in the transport industry.

Transportation technology has been identified by government as a key issue in maintaining and enhancing the competitiveness of our economy in the decades ahead. This programme allows students to gain the necessary skills to become managers in today's automotive industry.

Who is the programme suited to?

The programme will be of interest to students with an interest in the road haulage/transport and logistical sectors, as well as vehicle mechanics who would like to progress their careers into management within the road haulage/transport and logistical sectors.

This programme is suited to people interested in pursuing a career in all aspects of the Road Transport Technology, Management and Logistics industry.

Modules

What can I do after the programme?

On successful completion of the programme, job opportunities for graduates include: Transport Manager, Automotive Insurance Assessor, Transport Operation Management, Logistics Management, Branch Manager Motor Dealer, and Branch Manager Motor Factors.

Graduates can become members of the Chartered Institute of Logistics & Transport (CILT) and can take the Certificate of Professional Competence (CPC) exam at a greatly reduced fee. This allows graduates to be legally appointed to the position of Transport Manager. Graduates are also eligible for membership of the Institute of the Motor Industry (UK) where they will be awarded ‘Certified Automotive Engineer’ status (CAE).
Process & Engineering Management

Bachelor of Science (Honours)

What is the programme about?
This Level 8 one year add-on honours degree programme has been designed to provide students with an engineering or science based Level 7 degree, with a set of both technical and transferrable skills that are widely applicable to industry.

The development of this programme is a direct response to feedback and requirements from industry. The companies surveyed stated that engineering graduates were lacking the necessary skill set and process knowledge to work effectively in an industrial environment. The programme utilises industrial case studies, requires significant independent learning and engagement with local industry. Students actively work with various companies to carry out research for their dissertation, apply applied process improvement techniques and create project plans that are beneficial to the companies.

To allow for this, the programme is structured as follows.
• Two major modules in the form of Applied Process Improvement and Project Management
• Two minor modules in the form of Engineering Operations Management and Statistical Process Control
• A dissertation module

On completion of the Applied Process Improvement module learners can also complete the America green belt six sigma exam resulting in green belt certification.

An overview of feedback from industry shows that there are not enough third level combination engineering and management programmes, this programme meets this gap. Industry also requires a more rounded individual for the manufacturing and service provision. A graduate with an insight into project and people management is seen as an asset in modern industry.

Who is the programme suited to?
This Level 8 Honours Degree in Process & Engineering Management is a follow-on programme for any graduate who has successfully completed an Engineering or Science Level 7 degree. For example, graduates from the following LIT Level 7 Degree programmes can apply to progress onto this honours degree programme:
LC285 Mechanical Engineering LC286 Road Transport Technology & Management
LC279 Electronic Engineering LC278 Renewable & Electrical Energy Systems
LC251 Civil Engineering LC277 Industrial Automation & Robotic Systems
Any relevant Level 7 Science degree

Modules

What can I do after the programme?
On successful completion of the programme, opportunities for graduates include jobs such as: Process Engineer, Manufacturing Engineer, Validation Engineer, Quality Engineer, Operations Engineer, Operations Management, Project Manager, New Product Introduction Engineer, Validation Engineer, Process Improvement Engineer, Continuous Improvement Engineer, Logistics Management.
Craft Apprentice Programmes

Mechanical Trade and Motor Trade SOLAS Apprenticeships at LIT

Block Release Programmes are provided for Registered Apprentices in the Fitting and Motor Trades. Block Release Programmes are normally ten or eleven weeks. All Apprentices come to the Institute for two blocks (called Phase 4 and Phase 6) during their approximate four years of training. These are scheduled by SOLAS. Apprentices within the Fitting programme are encouraged to complete the City & Guilds 2565 Applied Electrical and Mechanical Engineering Technician evening programme at LIT.

Modules

**Mechanical Trade**

**Motor Trade**
Garage Practice (Practical), Motor Workshop (Practical), Motor Vehicle Theory, Automobile Electricity, Motor Vehicle Science and Calculations, Automobile Electricity, Practical Electronics, Information Technology, and Graphical Interpretation.

**Welding Theory**
In addition, Mechanical Trade Apprentices attending Block Release programmes take Machine Shop Practice (Practical) and Welding (Practical).

**Awarding Body**
Further Education and Training Awards Council (FETAC). All apprentices are scheduled for attendance by SOLAS by whom they are registered. All enquiries, therefore, should be made directly to SOLAS.
Kieran Murphy  
*BSc Quantity Surveying*  
Former Cork & LIT Hurling Captain: 2 Fitzgibbon Cup titles, 3 Munster titles, 2 All Ireland titles.

"I graduated from LIT as a Chartered Quantity Surveyor. One of the things that attracted me to the course was its reputation as one of the most respected courses of its kind, with an international standing."
Undergraduate Programmes

LC248  Built Environment (Undenominated) Bachelor Science (Honours) Ab Initio  p112
LC252  Civil Engineering Management Bachelor of Science (Honours) Ab Initio  p113
LC251  Civil Engineering Bachelor of Engineering  p114
LC241  Construction Management Bachelor of Science (Honours) Ab Initio  p115
LC253  Construction Higher Certificate in Science  p116
Add-on  Construction: Health & Safety Bachelor of Science  p117
Add-on  Construction: Site Management Bachelor of Science  p118
LC257  Interior Design & Technology Bachelor of Arts  p119
LC242  Property Valuation & Management Bachelor of Science (Honours) Ab Initio  p120
LC243  Quantity Surveying Bachelor of Science (Honours) Ab Initio  p121
LC244  Sustainable Building & Energy Engineering Bachelor of Science  p122
Add-on  Energy Management (Built Environment) Bachelor of Science (Honours)  p123

Craft Apprentice Programmes

SOLAS Apprenticeships at LIT - Carpentry and Joinery  p124

Postgraduate Programmes

MSc in Quantity Surveying in Sustainable Public Building (Level 9)
MSc in Quantity Surveying in Sustainable Civil Engineering (Level 9)
MSc in Quantity Surveying in Sustainable M&E Engineering (Level 9)

Details of Postgraduate Programmes are available in our Postgraduate Programmes Handbook or see www.lit.ie/postgraduate
Department of the Built Environment

The Department of the Built Environment at LIT is one of the largest specialised centres for Property, Quantity Surveying, Construction and Civil Engineering education and training outside of Dublin.

Our Honours Degree programmes include a full year of work placement. We also offer advanced entry to our programmes with cognate Degrees and/or relevant industry experience in the form of full-time learning, or work based learning.

A wide range of progression and transfer opportunities are available such as:

(a) Students who are awarded a distinction in Higher Certificate programmes (Level 6) are, subject to places being available, eligible to apply for a one year exemption on cognate four year B.Sc. (Honours) programmes (Level 8).

(b) Students who are awarded a Merit/Distinction in the B.Sc. (Level 7) programmes may, subject to places being available, be considered for transfer with exemptions to the second/third year of cognate B.Sc. (Honours) programmes (Level 8).

(c) Students who are awarded the Bachelor of Engineering in Civil Engineering (Level 7) are, subject to places being available, eligible to apply for entry to the final year of the B.Sc. (Honours) (Level 8) in Civil Engineering Management.
Built Environment
Progression Opportunities

Postgraduate Studies - Level 9 & Level 10

**YEAR 4**
- 1 Year Add-on: Level 8 Honours Degree Energy Management (Built Environment)

**YEAR 3**
- 3 Years Level 7 Degree
- LC244 Sustainable Building & Energy Engineering

**YEAR 2**
- LC248 Built Environment (Undenominated) Entry stage – 1 year

**YEAR 1**
- College Entry - Leaving Cert, FETAC, Mature

**Postgraduate Studies - Level 9 & Level 10**

**YEAR 4**
- 4 Years ab-initio Level 8 Honours Degree LC243 Quantity Surveying
- 4 Years ab-initio Level 8 Honours Degree LC241 Construction Management
- 4 Years ab-initio Level 8 Honours Degree LC242 Property Valuation & Management
- 4 Years ab-initio Level 8 Honours Degree LC252 Civil Engineering Management

**YEAR 3**
- 4 Years ab-initio Level 8 Honours Degree LC241 Construction Management
- 4 Years ab-initio Level 8 Honours Degree LC242 Property Valuation & Management
- 4 Years ab-initio Level 8 Honours Degree LC252 Civil Engineering Management

**YEAR 2**
- 4 Years ab-initio Level 8 Honours Degree LC241 Construction Management
- 4 Years ab-initio Level 8 Honours Degree LC242 Property Valuation & Management
- 4 Years ab-initio Level 8 Honours Degree LC252 Civil Engineering Management

**YEAR 1**
- College Entry - Leaving Cert, FETAC, Mature
What is the programme about?
This is a one year common entry stage to the four honours degree programmes in the Built Environment. Successful completion of this Common Entry Year will entitle the student to progress into Year 2 of the following programmes, subject to availability of places:
- BSc (Hons) in Quantity Surveying
- BSc (Hons) in Property Valuation & Management
- BSc (Hons) in Construction Management
- BSc (Hons) in Civil Engineering Management

This programme is offered on the CAO in addition to the four existing Level 8 honours degrees in the Department of the Built Environment. The Common Entry Year has been developed in order to advance the Transitions Agenda being pursued in Irish Higher Education, of better transition from second level to third level education.

This programme aims to give the student the first stage of an academically challenging educational experience, that will enable him/her to develop the knowledge, skills and competencies to serve both the construction industry and society, in whichever specialisation within the industry they progress to study in years 2, 3 and 4 of the Honours Degree programmes in the Department of the Built Environment.

Who is the programme suited to?
This Common Entry Year is suited to individuals who are looking for a career in the Construction industry but are not sure of the specialism they wish to pursue.

Modules

What can I do after the programme?
Successful completion of this common Year 1 entitles students to progress into Year 2 of any of the four level 8 programmes in Built Environment at LIT – Civil Engineering Management, Construction Management, Property Valuation & Management, Quantity Surveying, subject to availability of places.
Civil Engineering Management
Bachelor of Science (Honours) *Ab Initio*

What is the programme about?
The programme is designed in partnership with industry and uniquely merges civil engineering with management skills. It provides graduates with the knowledge, skills and techniques used in civil engineering management. The programme is a four year sandwich: two years full-time study, one year of practical work experience (or equivalent) and a final year of full-time study. Graduates will be able to manage the construction and maintenance of infrastructural developments. Such work would include bridges, marine works, tunnels, motorways, railways, airfields and environmental projects including water and waste water systems, pipelines, waste management and residential, commercial and industrial buildings.

Who is the programme suited to?
The programme is suited to students from second level and mature students who wish to work in the construction and civil engineering industry in Ireland or abroad mainly in a management capacity.

Modules


**Year 2:** Construction Technology 2, Construction Management & Building Information Modelling, Surveying, Civil Engineering Design, Civil Engineering Practice, Environmental Engineering, Civil Engineering Administration & Law, Integrated Project CM2 CEM2.

**Year 3:** Work Placement Year: Active Learning Diary & Professional Competencies, Capstone Project CM3 CEM3, Management Practice, Research Proposal, Literature Review.


What can I do after the programme?
On successful completion of the programme, employment opportunities include: Site Engineering, Civil Project Management, Civil Engineering Contracting.

LIT graduates are employed by Local Authorities, Civil Engineering Contractors and Consulting Engineers. Graduates can also progress to postgraduate programmes at LIT and other 3rd level universities and colleges.
What is the programme about?
This programme is designed to provide Civil Engineering graduates to the construction and civil engineering industry and provides many transferable skills. The areas of speciality include Civil Engineering, Construction, Geotechnical Engineering, Highway Engineering, Public Health Engineering and Structural Engineering. Graduates are equipped to undertake challenging and responsible activities on site, in the laboratory or the design office. During the programme, there are opportunities for students to participate in site visits, organised by the programme team.

Who is the programme suited to?
The programme is suited to students from second level and mature students who wish to work in the construction and civil engineering industry in Ireland and abroad.

Modules

What can I do after the programme?
On successful completion of the programme, graduates can seek employment with both private sector and public sector organisations such as Local Authorities, Civil Engineering Contractors and Designers. Graduates may also progress to a Level 8 Honours Degree to further their studies.
Construction Management
Bachelor of Science (Honours) Ab Initio

What is the programme about?
Construction Management is all about managing the construction process and meeting the needs of clients within legal, financial and environmental constraints. Construction Managers require a combination of engineering knowledge, good business and organisation skills and a capacity for leadership in managing the building process.

You will develop an in-depth knowledge and understanding of the construction process and the necessary theoretical knowledge to match solutions to construction problems; the management skills to plan, organise and manage construction projects and the ability to contribute to the construction process in a manner that sustains and enhances the natural and the built environments. This includes the responsibility for coordinating a wide variety of skilled workers and specialists and leading them in the implementation of the plan, monitoring progress against the required objectives, and making adjustments to ensure that the goals originally set forth are achieved.

Construction Management graduates are also involved in organising the resources required – labour, materials, equipment, time and money and translating the work of designers such as architects and engineers into reality.

Who is the programme suited to?
Students from second level and mature students who wish to work in the construction industry in Ireland or abroad, mainly in a management and technical capacity.

Modules


Year 3: Active Learning Diary & Professional Competencies, Capstone Project CM3 CEM3, Management Practice, Research Proposal, Literature Review.


What can I do after the programme?
On successful completion of this programme, careers for graduates include: Site Engineering, Site Management, Construction and Project Management, Contract Management, Quality Management. LIT Construction Management Work Placement students and graduates have found work with Sisk, Coffey Construction, John Paul Construction, PJ Hegarty, BAM, Accorn and Jacob International. Check out our student testimonials at: www.youtube.com/LimerickIT to learn more about this programme.
Construction
Higher Certificate in Science

What is the programme about?
This programme provides the student with an understanding of the construction of buildings including methods of construction, types of building materials, services in buildings (e.g. heating, air conditioning, etc.), production of construction drawings, surveying & setting out, building safety and law, etc.

This programme also addresses the economics of construction, sustainable construction technologies and sustainable building services, which provides the student with an understanding of how to construct buildings in a sustainable manner in the construction industry of the future.

Who is the programme suited to?
The programme is suited to students from second level and mature students, seeking an entry level qualification to the construction industry.

What can I do after the programme?
A graduate from this programme would be involved in a range of construction related activities, including the production of drawings, surveying and setting out, organising and supervising of plant and equipment on site, the resourcing and testing of construction materials, as well as assisting in the supervision of the work of subcontractors and craft operatives, estimating the cost of materials and work completed and liaising with suppliers in relation to the supply and delivery of materials.

Graduates from the programme will be ideally placed to take advantage of the opportunities arising in sustainable construction and public investment in the future. Graduates can also progress to Level 7 programmes at LIT.
Construction: Health & Safety
Bachelor of Science

What is the programme about?
This one year add-on programme accredited by the Institution of Occupational Safety and Health (IOSH) prepares the student for a career as a Health and Safety Technician. Graduates will be key members of the construction team who are responsible for ensuring that site operations are executed in a safe and efficient manner. They will work as a member of the Health and Safety department of a construction company, to assist the company’s Safety Officer in ensuring the construction operations are carried out in accordance with current Health and Safety legislation and the company’s Health and Safety Policy.

Who is the programme suited to?
The programme is suited to students who wish to work in the construction industry in Ireland or abroad.

Modules

What can I do after the programme?
This qualification, which is accredited by the IOSH enables the graduate to work as a safety professional in the construction industry.
What is the programme about?
This one-year add-on programme prepares graduates to undertake the functions associated with the role of a Site Manager.

The Site Manager is a key member of the construction process who is responsible for the operational management of a particular building project. They will be responsible for co-ordinating various site operations to ensure the project is completed in accordance with the construction programme, to the agreed quality and within the client’s budget. To do this, graduates must have extensive knowledge of building techniques and have the management qualities necessary to lead a construction team through a series of challenging projects.

Who is the programme suited to?
This one year add-on programme is suitable for holders of Level 6 Higher Certificates in relevant areas who wish to progress their studies to degree level.

Modules
- Advanced Surveying and Setting Out
- Sustainable Building Services 2
- Construction Law and Supply Chain Management
- Advanced Construction IT
- Sustainable Construction Tech
- Site Management
- Site Management PED.

What can I do after the programme?
On successful completion of the programme, job opportunities for graduates include: Site Manager, Site Engineer, Trainee Building Surveyor.

Some LIT Site Management graduates work for Roadstone, ProCAD Engineering, F3 Surveyors.
What is the programme about?
The Level 7 programme in Interior Design provides learners with a creative and exciting programme of study required to pursue a career in interior design.

This programme develops both the creative and technical aspects of the Interior Designer’s core skills, relevant to the level of the award. In fact rather than viewing the technical and creative as distinctly separate, we see them as complementary and together produce a competent graduate, where technical knowledge and skills inform creativity and design.

The programme facilitates a practical, theoretical and critical appreciation of the areas necessary to embark on a career in Interior Design. On completion of the BA, graduates also have the potential to pursue further study.

Who is the programme suited to?
The programme is suited to students from second level and mature students who wish to work specifically in Interior Design.

Modules

<table>
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<tr>
<th>Year</th>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>Design Studio 1, Studio Skills Interior Graphics 1, Interior Technology &amp; Regulation 1, Materials for Interior Design 1, Finishes for Interior Design 1, Interior Surveying &amp; Quantification, Historical Design Studies.</td>
</tr>
</tbody>
</table>

What can I do after the programme?
Graduates will possess knowledge, skills and competencies associated with the design of interiors to what are considered appropriate standards in a modern context and to a Level 7 Degree programme.

Graduates will also possess certain skills in using current technology to assist in this process. In addition, their creative skills and abilities will have been developed. It is intended that they can be effective in the delivery of complete design solutions to clients. Opportunities for graduates also exist in a variety of areas, including architectural firms, retail design, display or exhibition design, furniture, kitchen or material manufacturers, both nationally and internationally.
What is the programme about?

This is a four year sandwich honours degree programme incorporating three academic years and one full year of industrial work placement in third year. The aim of the programme is to develop a property professional who possesses the knowledge, skills and competencies required to work in the diverse sectors of the property industry such as valuation, estate agency, marketing, property management, investment, development, corporate real estate, research and land-use planning.

The programme offers a business based qualification and covers residential, commercial, agricultural and specialist property. It is fully accredited by the Society of Chartered Surveyors Ireland (SCSI) and has international recognition through the Royal Institution of Chartered Surveyors (RICS). The programme meets the minimum educational requirements required to work as a property services provider under the Property Services (Regulation) Act 2011.

Who is the programme suited to?

The broad based nature of the career opportunities available to property graduates makes it difficult to answer this question. For example, individuals who enjoy getting out and about and meeting people may be suited to the agency side of the industry, while those who enjoy working with numbers may be attracted to the professional services or valuations.

Modules


Year 3: Work Placement (Active Learning) Year - Active Learning Diary & Professional Competencies, Management Practice, Research Proposal, Literature Review, PVM Capstone Project. Work placement can be undertaken in Ireland or abroad. Students who are unable to secure a work placement complete an academic third year in LIT.


What can I do after the programme?

Career opportunities for graduates include: Estate Agent, Auctioneer, Chartered Surveyor, Property Valuer, Property Manager, Property Consultant, Residential or Commercial Agent.

Graduates have also gained employment in Local Authorities, Regeneration Agencies and Voluntary Housing Organisations. Some graduates work for CBRE, Jones Lang LaSalle, Lisney, Savills, Sherry Fitzgerald, Bord Gais Eireann, Local Authorities (Planning and Housing departments).
What is the programme about?
The profession of quantity surveying is at the forefront of environmental economics and management. This honours degree programme has been developed in partnership with industry and is unique in providing a 12 month work placement for students in year 3 of the programme. The placement programme called the ‘Active Learning Year’ is organised by LIT and its industry partners.

There are growing demands for quantity surveying services in both in Ireland and globally as clients seek to achieve a more sustainable and economically efficient built environment. Increasingly quantity surveyors are being used in a number of wide and diverse client support roles where they offer strategic advice in areas such as economics; law; technology; capital allowances and taxation. This diversity of roles combines to create a sustainable demand for the specialist expertise of the quantity surveyor.

Who is the programme suited to?
Quantity Surveying is suitable for people who wish to pursue a professional career in the development and management of building and infrastructure projects, particularly from the perspective of the technology, economics, legal and project management disciplines.

Modules

Year 1: Built Environment Primary Knowledge Base
- Built Environment Law
- Sustainable Building Services 1
- Economics for Construction & Property Specialists
- Measurement & Mathematics
- Construction Technology
- IT & Communication Skills for Construction & Property Professionals
- QS Practice (Digital Graphical Resources)

Year 2: Specialist Quantity Surveying Skills
- Measurement and Information Modelling
- Cost Planning, Estimating and Tendering
- Project Administration
- Construction Law
- Industrial & Commercial Building Construction Technology for Quantity Surveyors
- Sustainable Building Services for Quantity Surveyors
- Quantity Surveying Commercial Practice

Year 3: Active Learning in Quantity Surveying Work Placement
- Active Learning Diary & Professional Competencies
- Quantity Surveying Capstone Project

Year 4: Excellence in the Award Year in Quantity Surveying
- Project Cost Management
- Measurement (Mechanical & Electrical)
- Civil Engineering Technology and Measurement
- Construction Law & Dispute Management
- Economics of Renewable & Energy Efficient Technologies


What can I do after the programme?
Job opportunities for graduates include: Quantity Surveyor, Development Manager, Project Monitor, Environmental Cost Manager, Project Manager, Employers Agent, Safety Co-Ordinator / Project Supervisor Design Stage. Graduates from the programme can also access a new range of specialist Master of Science programmes in Quantity Surveying in LIT.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

QOI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Michael Mooring, Programme Leader
Tel: 061 293332
Email: michael.mooring@lit.ie
Web: www.lit.ie/courses/LC243

Facebook.com/LITBuiltEnvironment
What is the programme about?

This broadly based Level 7 programme has been designed in partnership with industry to meet the needs of the ‘Green Economy’. The programme maintains a strong bias towards Sustainable Building Practices, emphasising the principles and application of Sustainable Energy Engineering. It is a unique programme that marries the fundamental pillars of sustainability in the built environment. The energy industry has been identified as a growth industry, a skills shortage in this area has been highlighted in numerous reports.

Graduates of the programme will possess the skills/knowledge needed to:

• Investigate, Audit & Survey - Existing Buildings, Sites, and Energy Systems.
• Implement & evaluate projects - provide project logistical management skills and apply measurement and verification skills to energy related projects.

Graduates of the programme will possess a relevant and functional comprehension of areas including: Sustainable Construction Methods (domestic & commercial), Building Conservation, Pathology & Architectural Heritage, Land Use Planning for Sustainable Energy Systems, Building Computer Aided Design, Building Cost Management, Law & Safety, Traditional and Renewable Energy Technologies (including alternative, clean & efficient energy technologies), Environmental considerations for energy production (Policy, emission factors etc), Energy & Facilities Management, Energy analysis software packages including (BER, iSBEM, RetScreen). Graduates can also progress to a one year, add-on Level 8 Honours degree in Energy Management in Built Environment at LIT.

Who is the programme suited to?

The programme is ideal for students who wish to enter or develop a career in the Energy Sector, Sustainable Building and the management of Sustainable Construction and Renewable Energy Technologies. Sustainable Building and Energy Engineering go hand in hand in developing Ireland’s green economy.

Modules

Year 1: Sustainable Energy Engineering 1, Sustainable Building Services 1, Construction Technology & Environmental Services, Mathematics & IT, Learning & Research Skills for Construction Professionals, Conservation & Architectural Heritage, Built Environment Law, Site Surveying.


What can I do after the programme?

Successful graduates can progress to a one year add-on Level 8 Honours degree, the BSc (Honours) in Energy Management (Built Environment) at LIT. Graduates will enter an evolving, dynamic and challenging field offering exciting opportunities in a variety of organisations including high potential cleantec start-ups. This programme is accredited by the Chartered Institute of Building (CIOB).
Energy Management (Built Environment)
Bachelor of Science (Honours)

What is the programme about?
Energy management is the process of monitoring, controlling, and conserving energy in a building or organisation.

The principle goal of the Energy Manager is to drive energy savings, thus cost and CO2 reductions, in their organisation. In order to achieve this goal the energy manager requires a strong background knowledge across the broad areas of construction, engineering, commissioning and maintenance of building services, as well as business & financial/economics.

Who is the programme suited to?
Energy Management (Built Environment) has been designed to meet the Energy Institute requirements of the chartered energy manager and will thus create graduates who are professionally qualified energy managers.

Modules

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<th>Semester One</th>
<th>Semester Two</th>
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What can I do after the programme?
With the growing role of the Energy Manager, graduates can expect to find careers in Energy; consultancy, design, contracting, project and maintenance, team leading, facilities and resource management, energy auditing, equipment testing & commissioning, and research and development.

Minimum Entry Requirements:
1. A Pass in a relevant Level 7 Degree
2. An equivalent qualification with appropriate pre-requisite subjects

APPLY DIRECTLY TO LIT
Tel: 061 293262
Email: admissions@lit.ie

FOR FURTHER INFORMATION
Contact: Mr. David Honan, Programme Leader
Tel: 061 293356
Email: david.honan@lit.ie
Web: www.lit.ie/Courses/A8244

Facebook.com/LITBuiltEnvironment
Which Built Environment Apprenticeships can I do at LIT?

- Carpentry and Joinery

The purpose of these programmes is to supplement the training given onsite, through related Theory and Practice.

FOR FURTHER INFORMATION

All apprentices are scheduled for attendance by SOLAS by whom they are registered. All enquiries, therefore, should be made directly to SOLAS.

SOLAS LIMERICK
Tel: 061 487915

SOLAS DUBLIN
Tel: 01 6070500

Location:
Moylish Campus, Limerick
Sean Lyons
Bachelor of Science (Hons)
Internet Systems Development

Sean received an award at graduation for Best Project.
## Undergraduate Programmes

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## Postgraduate Programmes

- **Software Development** *Higher Diploma in Computing (Level 8)*
- **Creative Multimedia Programming** *Postgraduate Diploma in Computing (Level 8)*
- **Research Opportunities in Information Technology** (Level 9 & 10)

*Details of Postgraduate Programmes are available in our Postgraduate Programme Handbook. For further information, see: www.lit.ie/postgraduate*
The Department of Information Technology at LIT (located in Limerick and Thurles) offers exciting, internationally recognised programmes in the field of Computing, Games Development, Business Computing, Business Information Systems and Multimedia.

The suite of programmes in the Department of IT are designed to provide graduates with a broad knowledge of core aspects of computing and business including: hardware and software, data communication, information management, business, mathematics and interpersonal skills. The programmes at LIT are focused on practical skills development so that graduates can expect to take up employment in industries ranging from large multinational companies to small or medium enterprises. Graduates also have the opportunity to pursue postgraduate research through a range of Research Centres within LIT.

The Department of IT is actively involved in the design, development and delivery of flexible learning programmes, in conjunction with industry partners: Enterprise Solutions Development (10 week summer programme), and other bespoke programmes.

We also offer fully-funded 12 month conversion HDip programmes for non-IT graduates in Software Development, and Creative Multimedia Programming (both these programmes include a work placement). Other flexible learning courses offered by the department include: Mobile Application Development; Microsoft Office Specialist Certification; Cisco Certification; and Web Design.
Information Technology
Progression Opportunities

Postgraduate Studies
Level 9 & Level 10

College Entry
Leaving Cert, FETAC, Mature

YEAR 1
Leaving Cert, FETAC, Mature

YEAR 2
Level 7 Degree
LC235 Internet Systems Development

YEAR 3
Level 7 Degree
LC235 Internet Systems Development

YEAR 4
4 Years Ab-initio
(LC236) OR 1 Year Add-on: Level 8 Honours Degree
Internet Systems Development

3 Years Level 7 Degree
LC235 Internet Systems Development

4 Years Ab-initio: Level 8 Honours Degree
LC231 Business Information Systems

4 Years ab-initio: Level 8 Honours Degree
LC239 Computer Networks & Systems Management

4 Years ab-initio: Level 8 Honours Degree
LC234 Interactive Digital Media

4 Years ab-initio: Level 8 Honours Degree
LC233 Software Development

4 Years Ab-initio: Level 8 Honours Degree
LC418 Games Design & Development (Thurles)

4 Years Ab-initio: Level 8 Honours Degree
LC418 Games Design & Development (Thurles)

1 Year Add-on: Level 8 Honours Degree
Business with Computing

3 Years Level 7 Degree
LC239 Business with Computing

Undergraduate Prospectus 2018/2019
What is the programme about?

On successful completion of this programme, LIT’s graduates have developed comprehensive analytical and rounded business skills which blend perfectly to solve business problems using appropriate Computer Software solutions.

The fusion of Business and Computing allows students to achieve maximum learning and self-development. Students will advance their business information technology knowledge, experience and skills through extensive practical assignments and coursework.

Computing and Technology are part of just about everything that touches our lives. Gaining a proficiency in the different dimensions of computing and business will provide graduates with the necessary skills to create a stable career in the 21st century.

Who is the programme suited to?

This programme will suit those who want to prepare for a career in business but who also want to learn more about business analytics, technology and management disciplines that are an essential part of today’s business world.

What can I do after the programme?

Graduates of the programme can progress to Level 8 Business Computing programmes at LIT. With a mix of skills offered on the programme, graduates have more versatility in the jobs available after graduation; graduates from this programme have chosen careers in Accounting, Project Management, Entrepreneurship, Recruitment, Programming, Data Analytics.
Business with Computing
Bachelor of Business (Honours)

What is the programme about?
This add-on honours degree will provide students with the necessary knowledge, skills and competencies to pursue a career in a dynamic business and technological environment. It is a semesterised programme. The uniqueness of this programme is in the graduate’s understanding of the nature and importance of the computing/business relationship. With its versatility and flexibility, graduates will be able to pursue a variety of careers. Emphasis is placed on creating a personal learning environment; students may select electives to suit their particular strengths and interests and engagement between staff and other learners is encouraged.

Who is the programme suited to?
This one year add-on honours degree will allow students to progress their studies and will suit those who want to prepare for a career in business but who also want to learn about the technology that is at the heart of today’s business world.

Modules
The programme is semesterised and modules cover the areas of: Professional Development, Business, Databases & Data Analytics, Management, Digital Business Environments, Finance, Business Communications, ERP, Individual & Team Projects.

What can I do after the programme?
On successful completion of the programme, job opportunities for graduates include: Networking, Programming, IT Support, Finance, Accountancy, Banking, Project Management, Marketing and Sales, Data Analytics and Teaching.

Minimum Entry Requirements:
1. A pass in a relevant Bachelor Degree (Level 7) in a relevant field with an overall average performance of at least 40%.
2. An equivalent qualification to a Bachelor Degree (Level 7) with appropriate pre-requisite subjects.
3. A pass in a relevant Bachelor Degree (Level 7) with one year suitable and relevant work experience.

APPLY DIRECTLY TO LIT
Tel: 061 293262
Email: admissions@lit.ie

FOR FURTHER INFORMATION
Contact: Mr. Richard O’Keeffe, Programme Leader
Tel: 061 293000
Email: Richard.0Keeffe@lit.ie
Web: www.lit.ie/Courses/A8232
What is the programme about?
This programme provides a foundation entry for graduates seeking a career in Business Information Systems. Students will be able to collect, organise and analyse data produced by business transactions to enable business managers make better decisions using the appropriate computer software and business solutions. This skillset provides the perfect blend of technological and business skills.

The Business Information Systems degree gives students a very strong platform in business analysis. The embedded group projects enable students to demonstrate their understanding of the concepts and business/IT skills that are required in a work environment. This group dynamic will be invaluable to them in their chosen career path.

Who is the programme suited to?
The programme will be suited to students with good mathematical and analytical skills with an interest in using computers to solve everyday business problems.

Modules

| Year 4 | Enterprise Software, Data Analytics, Final Year Project, Software Architecture, Agile Software Development, Software Testing, plus one business elective per semester. |

What can I do after the programme?
An Information Systems career can provide opportunities for socio economic mobility as the degree will be recognised globally. This will be reinforced through department links with professional bodies.

Graduates will be able to establish a career in Business Information Systems Development. This is particularly appealing given the job vacancies which exist in the ICT area currently. Job opportunities for graduates include: Online commercial specialist, IT Sales/Technician, Marketing and Programme Manager, IT Software Buyer/Planner, Search and Analytic Specialist, Programmer, Business Analyst.
Computer Networks & Systems Management
Bachelor of Science (Honours) Ab Initio

What is the programme about?
The amazing growth of the Internet, the emergence of ‘the cloud’ and the surge in the use of smart phones has changed the way we communicate all around the world. This new style of exchanging information is made possible by the countless computer networks that circle the globe in a web of information. This programme aims to provide students with a broad and forward-looking education with the knowledge and skills necessary to excel in Computer Networks, Data Communications and associated Systems Management roles.

An additional aim of the programme is to provide students with a range of knowledge which will enhance their ability to fit rapidly into different workplace cultures, adapt to change and pursue additional postgraduate studies. Students will gain a foundation of technical knowledge, problem solving and logical thinking that gives them a competitive advantage in their career. For example, students will learn how to work with PCs, switches, routers, databases, scripts, Linux, Windows, servers, virtualisation and security. As part of this programme, students may study for additional professional qualifications offered by Cisco (CCENT and CCNA) and Microsoft (MTA and MCSA).

Who is the programme suited to?
This programme assumes no prior background in networks or systems so is suited to everyone with a general interest or aptitude in this area. Sometimes students who choose this programme will have built networks or configured servers at home, or at work, and want to learn more and gain a qualification in the subject.

Modules
The programme is semesterised and modules over the four years cover the areas of: Professional Development, Programming, Databases & Data Analytics, Networks, Server & Storage, Web Technology, Mathematics, Cloud Technologies, Security & Cryptography, Virtualisation, Management, Individual & Team Projects.

Work Placement
Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?
Graduates with networking and systems skills are required by all IT departments in business including engineering, pharmaceutical, finance, telecommunications, business, entertainment and education. Graduates have found jobs as IT Technicians, Customer Support Engineers, Systems Administrators, Technical Support Engineers and IT Managers, etc.
What is the programme about?

This three year programme prepares students for a broad range of exciting careers in the computing sector. It provides students with an opportunity to work with evolving technologies in a fast moving industry. Students will develop essential skills in computing which will open many career paths and options for further study.

During the programme, students will learn how to design and build desktop and mobile apps, troubleshoot and fix computer hardware, use computers to work with and manage data, connect devices and make them work together.

Technology is used in all aspects of industry, retail and financial sectors. Whether you want to work in a large multinational company, a small indigenous Irish company or an innovative start-up, computing graduates are much sought after. The technology sector in Ireland is a vibrant one providing many opportunities for graduates. Companies such as Twitter, Facebook, eBay, PayPal and Google have chosen to locate in Ireland providing jobs across a wide variety of computing areas.

Who is the programme suited to?

This programme is ideal for the problem solver, the team player and those who enjoy building things in a fun and innovative environment. Students will undertake work placement and engage in projects inspired by real challenges faced by companies and develop solutions. The classroom will be led by industry-experienced, highly skilled lecturers who use a hands-on approach in a supportive, friendly environment.

Modules

The programme is semesterised and modules over the three years cover the areas of: Professional Development, Programming, Databases & Data Analytics, Web Technology, Web Business, Computer Systems, Software Engineering & Design, Mobile App Development, Individual & Team Projects.

Work Placement

Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?

Graduates of this programme will be qualified to design, develop and test software applications. Students can pursue further third level education including level 8 programmes in Computing and Technology. The Thurles Chamber Enterprise Centre located on the LIT Thurles campus houses technology start-ups who require Computing graduates and there is an opportunity for graduates who have innovative ideas to form their own start-ups.
Games Design & Development
Bachelor of Science (Honours) in Computing
Ab Initio

What is the programme about?
This programme is designed to produce graduates with an in-depth knowledge of the essential aspects of games design and development. Students will learn the techniques for analysis, design and development of games for diverse platforms including mobile, handheld consoles, personal and tablet computers, games consoles, interactive TV and online games in a variety of computer programming languages.

Students will produce game designs and implement these through a variety of game engines and frameworks using state of the art technology and specialised hardware. Our hardware facilities include Ireland’s largest Xbox 360 Game laboratory and access to Playstation development kits. LIT is licenced for leading multi-platform game engines to enhance your learning experience.

LIT Thurles, a Digital Games Hub, is the home of Games Fleadh, one of Ireland’s most important games programming festivals. Our Games Design alumni have worked on AAA titles such as StarCraft, Wolfenstein, Guitar Hero and Call of Duty. Our campus enterprise centre facilitates and is host to game studios start-ups who are actively supported by Thurles Chamber Enterprise Centre business mentors.

Who is the programme suited to?
Suitable for people who are creative, analytical and logical and who are interested in computers and are passionate about game development. Creative and innovative minded people will be challenged in this programme to express their ideas and develop ground-breaking new game technologies.

Modules
The programme is semesterised and modules over the four years cover the areas of: Professional Development, Game Programming, Game Physics, Motion Capture & Data Visualisation, Platform Game Development, Databases & Data Analytics, Web Technology, Web Business, Computer Systems, Computer Graphics, Software Engineering & Design, Individual & Team Projects.

Work Placement
Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?
Employment opportunities for graduates include: Games Programmer, Game Tester, Game Designer, Games Middleware Engine Developer, Games Developer Tools Designer and in Graphics and in Audio Software Production.

Graduates may also pursue research studies within LIT working with researchers with expertise in Gaming, Animation, Media, Entertainment and Software. You can also work with a number of Games companies in the Thurles Chamber Enterprise Centre, located on the LIT Thurles campus.
**What is the programme about?**

This honours degree programme prepares students for a broad range of careers in the fast moving computing industry. The programme will produce graduates capable of designing, building and maintaining secure Internet based systems, mobile apps and learn to connect devices and make them work together. Students will analyse, design, model and implement effective web based systems using appropriate, current modelling, design and programming tools, and methodologies. Students will also develop the skills needed for semantic web services, to handle situations requiring representation and retrieval of knowledge. The underlying technologies and application architectures used by web enterprises are also addressed.

The work placement in Year 3 gives students the opportunity for further personal development in real world job situations.

**Who is the programme suited to?**

This programme is suited to those interested in how Internet based systems work, in designing and building websites, and want to build their knowledge and technical capacity in this continually changing area. The programme will be suited to students seeking to establish a career in the technology sectors. This is particularly appealing given the job vacancies which exist in the ICT area currently.

**Modules**


**Work Placement**

Students spend 6 months in Year 3 on a work related placement.

**What can I do after the programme?**

The programme equips students with the skills needed to gain employment as Web Application Developer, Web Designer and Programmer, Mobile App Developer, Software Tester, Software Design Engineer, Database Application Developer and lays a foundation for advancing in the field of Games Development. An IT career can provide opportunities for worldwide travel; graduates of this programme have been sent to many differing worldwide locations while retaining their Ireland base.
Internet Systems Development
Bachelor of Science

What is the programme about?
The Internet Systems Development programme prepares students for a broad range of careers in the fast moving computing industry.

Students will develop an understanding of current and emerging technologies and best business/industrial standards to equip them to meet the demands of an increasingly technological world. The aim of this programme is to provide students with the professional, technical and project related capabilities applicable to the development of secure client-side and server-side Internet-based systems.

The work placement in Year 3 gives students the opportunity for further personal development in real world job situations.

Who is the programme suited to?
This programme is suited to those interested in how Internet based systems work, in designing and building websites, and want to build their knowledge and technical capacity in this continually changing technology area.

The programme will be suited to students seeking to establish a career in the technology sectors. This is particularly appealing given the job vacancies which exist in the ICT area currently.

Modules

Work Placement
Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?
Technology is ingrained in our work and personal lives with the Internet at the heart of everything we do.

Careers in this field are full of young, motivated people with exciting, fresh, new ideas. The Internet is still an ever changing technology area and it has expanded possibilities to live, work and build a career anywhere in the boundary-less new world we live in.
What is the programme about?
On this programme, students will learn to:

• Design creative interactive content to communicate with people in an engaging and exciting manner using: text, sound, video, animation, graphics, and movement etc.

• Build Games, Apps, Websites, Animations, Video, Virtual Reality experiences, wearable technology and many other interactive applications.

• Work with various technology devices such as: OculusRift and Gear VR headsets, camcorders, 3D scanners, tablets, Smartphones, wearable technology, augmented reality, games consoles etc.

• Become a creative interface/interaction designer and a computer programmer.

Who is the programme suited to?
This programme is suited to those that have an interest in design, creative technologies, social media and gaming.

It is suited to people who are creative, analytical and logical and who are interested in computers, information technology, design and like solving real life problems. Creative and innovative minded people will be challenged in this programme to express their ideas and develop ground-breaking new interactive digital technologies and experiences.

Modules

Work Placement
Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?
Graduates can work as part of design and technical teams that require people with many different kinds of skills. There are huge possibilities to make a marked contribution while maintaining plenty of space for individual flair and imagination.

Job opportunities for graduates include: App/Website Developer, 3D Graphic Artist, Computer/Games Programmer, Interaction Designer (UX), Interface Design (UI), Digital Artist, VR Designer. Graduates will also be eligible for a wide range of taught and research programmes at Level 9 (Masters).
What is the programme about?

This programme provides students with the skills and knowledge to meet the needs of today’s IT industry. Software is everywhere; on the Internet, on your mobile phone, on your games console, managing your bank account, and more. This programme focuses on Software Engineering and Software Development techniques (Object Orientation, Java, Web Development, C#, Mobile Apps, Cloud etc.).

With the mix of skills this programme provides, students will be ideally positioned to secure employment in either Open Source or .NET technology jobs as a: Software Engineer, Software Developer (Java, C#, .Net), Software Engineering/Modelling (UML, Junit, mockito, cucumber, GIT, Docker, Jenkins), Web Designer/Developer (DreamWeaver, CSS, PHP), Database Developer/Administrator (SQL Server, MySQL), Test Engineer, Games and Mobile App Developer (XNA, Android).

In addition, the six month paid work placement in Year 3 gives students an opportunity to apply the skills learned at LIT in a real working environment. This will provide students with valuable experience prior to full time employment on graduation.

Who is the programme suited to?

This programme suits people who are analytical and logical and who are interested in computers and like solving real problems. It also suits people who are creative as the programme gives students the skills to express their ideas and concepts in a whole range of software technologies.

Modules


Work Placement

Students spend 6 months in Year 3 on a work related placement.

What can I do after the programme?

Software Development is a key enabler and driver of innovation across a multitude of industries and there really is a need for graduates who are technically aware but who can also see the opportunities that the technology allows.

This programme provides the skills and knowledge enabling graduates to embark on rewarding and exciting careers where they can express their creativity through software. Job opportunities for graduates include work as: Software Developer/ Software Engineer.

Graduates work for: Ericsson, Microsoft, Cisco, Avvio, Lumension, Kerry Foods, OpenJaw Technologies, IBM Global Services, Deloitte, Amazon, Intel, Johnson & Johnson, Dell. Graduates of the programme can also progress to postgraduate Computing programmes at LIT.
Welcome to the Faculty of Business & Humanities.

The Faculty of Business & Humanities is dedicated to the provision of programmes that will furnish the students with the relevant knowledge, skills and competencies to deal with the challenges that they will encounter in the workplace of their chosen discipline.

The Faculty has over 2200 students and is organised into four academic departments:

- Department of Business
- Department of Sport
- Department of Food & Tourism
- Department of Applied Social Sciences

The Faculty offers programmes leading to qualifications at Level 6 (Higher Certificate), at Level 7 (Degree) add-on, at Level 8 (Honours Degree) (add-on and ab-initio) and at Level 9 (Taught and by Research).

A number of programmes delivered by the Faculty have recognition from professional bodies. Such recognition offers accreditation to graduates on completion of the respective programmes or enable graduates to claim significant exemptions from the examinations of the professional bodies.

All programmes in the Faculty of Business & Humanities provide a blend of theoretical knowledge and practical skills development facilitated through active learning approaches. This is achieved through the combination of formal lectures, tutorials, group projects, presentations, case studies, educational visits, problem-based learning, work placements, stimulation activities and the use of highly regarded speakers from the professions and industry.

The Faculty is extremely proud of its students and their achievements, both academic and extracurricular. Our students regularly participate in a host of competitions, including Ireland Skills, Knorr Student Chef of the Year, Irish Hospitality Institute Business Management Game and National Social Enterprise Awards. Some current students include male and female inter-county and provincial footballers, hurlers and camogie players; All-Ireland league and All-Ireland colleges’ rugby players. Many students have spent time working on a voluntary basis in local primary schools or with local charities.
Chelsea Hoare
Bachelor of Business (Honours)

“My goal was to achieve a first class honours degree which I did through work, dedication and constant interaction with my lecturers. If students have a flair for Business, I would highly recommend LIT. It's a college where students are known by name, not number. The small class groups also allow for greater discussion and interaction in class.”
## Undergraduate Programmes

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## Postgraduate Programmes

- Higher Diploma in Business Management (Level 8)
- Master of Business in Marketing & Management Strategy (Level 9)
- Master of Business by Research (Level 9)
- Research Opportunities in Business (Level 9)

Details of Postgraduate Programmes are available in our Postgraduate Programmes Handbook or see [www.lit.ie/postgraduate](http://www.lit.ie/postgraduate)
The Department of Business is dedicated to providing you with the relevant knowledge, skills and competencies to deal with the real world challenges you will face in the world of business. We offer programmes in Limerick, Thurles and Clonmel leading to qualifications in Accounting & Finance, Business, Enterprise & Innovation, Law & Taxation, Marketing and Management at Higher Certificate, Degree and Honours Degree levels. All of these programmes also provide a solid foundation if you wish to pursue further study at a professional level, including examination exemptions with a number of professional bodies. We are extremely proud of our students and their long track record of achievements, both academic, extracurricular and in the world of business upon graduation.

Business students participate in the nationally renowned MarketLink programme each year. This programme forms part of the student assessment across a range of modules including marketing, sales and finance. Students benefit from input from the Hartnett Enterprise Acceleration Centre which assists students working in groups to identify a new business opportunity, along with developing, marketing and selling the product at the LIT Charity Christmas Fair on the ‘main street’ of the campus at the end of November each year. All profits go to local charities selected by students, with over €10,000 being raised so far.
Business
Progression Opportunities

Postgraduate Studies
Level 9 & Level 10

1 year Add-on
Level 8 Honours Degree
Marketing & Management
(Limerick & Thurles)

4 years ab-initio
Level 8 Honours Degree
Marketing & Management
LC225 (Limerick)
LC411 (Thurles)

4 years ab-initio
Level 8 Honours Degree
Enterprise & Innovation
LC226

4 years ab-initio
Level 8 Honours Degree
LC223 Law & Taxation

4 years ab-initio or 1 year Add-on: Level 8 Honours Degree
LC513 Business (Clonmel)

4 years ab-initio or 1 year Add-on: Level 8 Honours Degree
LC224 Accounting & Finance

4 years ab-initio
Level 8 Honours Degree
LC220 Business with Digital Marketing

1 year Add-on
Level 7 Degree
Marketing & Management
(Limerick & Thurles)

3 years: Level 7 Degree
LC501 Business (Clonmel)

1 year Add-on
Level 7 Degree
Accounting & Finance

2 years: Level 6 Higher Certificate
Marketing & Management
LC222 (Limerick)
LC412 (Thurles)

2 years: Level 6 Higher Certificate
LC221 Accounting & Finance

College Entry
Leaving Cert, FETAC, Mature

Undergraduate Prospectus 2018/2019
What is the programme about?

This programme is structured to address many of the competence requirements of professional Accountancy bodies and to give students a range of learning experiences tailored to careers in Accounting and Finance. Its practical focus ensures that on completion you will be a work-ready graduate with employment opportunities in professional accounting practice, commerce, industry, government, the not-for-profit sector and secondary school teaching. Alongside the development of your accountancy and finance knowledge, there is a strong focus on developing your management skills to ensure that when you graduate you have the high-level transferable skills that employers are seeking. This programme assumes no previous knowledge of accounting, finance or economics.

The programme is recognised by leading professional accountancy bodies including: CAI, ACCA, CIMA, CPA and IIPA. It has also been recognised by the Teaching Council as fulfilling its degree requirement for registration as a post-primary teacher, subject to the complete programme of study being undertaken at LIT (Moylish). As with any other degree, a teaching qualification such as the Professional Diploma in Education is also required.

Who is the programme suited to?

This programme will suit students who can commit to a full four year programme of study. It is suited to students who have an interest in the financial aspects of business, enjoy working with numbers and people, have good communication skills and enjoy a challenge. It will further provide you with the skills and knowledge you need to launch your professional accountancy career with confidence and to accumulate maximum exemptions from professional accountancy examinations.

Modules


Year 2: Financial Accounting 2, Management Accounting, Public Finance, Law and Business, IS/IT & Computerised Accounting, Marketing.


What can I do after the programme?

Graduates have an excellent record of achieving training positions at leading firms such as PWC, Deloitte (DTTL), EY Ireland (Ernst & Young), Grant Thornton, BDO, Bank of Ireland, Ulster Bank, BNY Mellon and Northern Trust among others. Career opportunities include: Trainee Accountant, Trainee Tax Advisor, Auditor, Funds Analyst and general management opportunities across a range of organisations. For details of exemptions applicable to this programme, please see web page www.lit.ie/courses/LC224.
Accounting & Finance
Higher Certificate in Business

What is the programme about?
The Higher Certificate in Business in Accounting and Finance (Level 6) is both a qualification in its own right and a stepping stone to the Level 7 Degree programme in Accounting & Finance. It is designed to equip students with a range of knowledge and practical skills, which will form the basis for commencing a career in an accounting-related function in business. This programme has a very practical focus and is ideal for students who prefer to ‘learn by doing’. It is recognised by leading professional accountancy bodies including: CAI, ACCA, CIMA, CPA and IIPA.

Who is the programme suited to? This programme is suited to students who have an interest in the financial aspects of business but who would also like the benefits of a broad business education. It caters to a wide range of study needs. Whether you’re considering a career in accountancy or finance, provide support services to professional service and financial services firms, or whether you simply want to improve your knowledge of accounting, finance and business – this programme will give you everything you need to succeed. It assumes no prior knowledge of accounting, economics or finance.

Modules

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<td>Year 2</td>
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What can I do after the programme?
When you graduate you will have acquired a solid foundation in the basics of the finance function. As this programme combines business and accounting subjects, career opportunities for graduates are most likely to be in the accounting departments of organisations or in other business positions, where knowledge of accounting is a requirement or an asset. Typical roles you could expect to secure include: bookkeeper, payroll clerk, credit controller, purchase ledger clerk and assistant accountant. Graduates who continue their studies and gain suitable work experience can look forward to advancement to management positions.

On successful completion of this programme you will qualify for entry onto the one year add-on degree programme in Accounting and Finance (Level 7). Ultimately, if you are successful in the Level 7 programme you may progress to the Level 8 one year add-on Honours degree in Accounting and Finance. You may be eligible for exemptions from the professional accountancy bodies. For details of exemptions applicable to this programme, see www.lit.ie/courses/LC221.
What is the programme about?

This programme is a one year add-on degree programme designed for students who wish to build on previous learning. It is both a qualification in its own right and a stepping stone to the Level 8 (Honours) Degree in Accounting & Finance. It is designed for students who wish to pursue careers in professional accountancy, finance, management, banking and the financial services industry. It offers students a contemporary approach to accounting and finance, focusing on the exploration of key practical and theoretical issues in accounting, auditing, management accounting, taxation, company law and people management. It also allows students to develop highly desirable transferable skills including analytical thinking and problem-solving skills as well enabling you to think logically and quantitatively.

This degree programme is both professionally and managerially oriented and is recognised by leading professional accountancy bodies including: CAI, ACCA, CIMA, CPA and IIPA.

Who is the programme suited to?

This programme is primarily designed for those students who have a previous qualification in Accounting and Finance, such as the Higher Certificate in Business in Accounting and Finance (Level 6) and/or other equivalent qualifications to a Higher Certificate (Level 6) with appropriate pre-requisite subjects. Holders of qualifications in accounting such as IATI and CAT (ACCA) may also be considered for entry to this programme.

Modules


What can I do after the programme?

Our graduates often choose to join an accountancy firm or large company to complete their accountancy training, while others use their expertise within financial services or branch out into more general management roles. If you wish to widen your focus to industry and commerce in areas such as banking, insurance and funds management this relevant and practical degree will put you to the forefront re. employability.

Graduates will also have the opportunity to immediately progress to the Level 8 honours degree programme in Accounting and Finance offered at LIT (Moylish). Graduates, may, alternatively choose to pursue Professional Accountancy examinations. The list of exemptions is reviewed annually by the professional accountancy bodies and is subject to change, due to ongoing revisions to their professional syllabi. We seek to continue to secure existing or corresponding exemptions but this cannot be guaranteed. You are therefore advised to refer regularly to the relevant professional accountancy body’s website and to note that exemptions are awarded at their discretion.
Accounting & Finance
Bachelor of Business (Honours)

What is the programme about?
This one year add-on honours degree programme is designed for students who wish to build on previous studies in accounting and finance. This programme will enable students to strengthen their understanding of how the finance sector really works, including, an awareness of the contexts in which it operates. It will further provide you with the skills and knowledge you need to launch your professional accountancy career with confidence and to accumulate maximum exemptions from professional examinations. Designed with employability in mind, the structure of this programme is both contemporary and applied and reflects the links we have established with professional bodies and with employers.

This programme is recognised by leading professional accountancy bodies including: CAI, ACCA, CIMA, CPA and IIPA. The programme has also been recognised by the Teaching Council as fulfilling its degree requirement for registration as a post-primary teacher, subject to the complete programme of study being undertaken at LIT (Moylish). As with any other degree, a teaching qualification such as the Professional Diploma in Education is also required.

Who is the programme suited to?
This programme is primarily designed for students who have a previous qualification in Accounting and Finance, such as the Bachelor of Business in Accounting & Finance (Level 7) and/or other equivalent qualifications to the Bachelor of Business in Accounting & Finance (Level 7) with appropriate pre-requisite subjects.

Modules

What can I do after the programme?
Graduates have an excellent record of achieving positions at leading firms such as PWC, Deloitte (DTTL), EY Ireland (Ernst & Young), Grant Thornton, BDO, Bank of Ireland, Ulster Bank, BNY Mellon and Northern Trust among others. Career opportunities include: Trainee Accountant, Trainee Tax Advisor, Auditor, Funds Analyst and general management opportunities across a range of organisations.

This programme offers graduates a firm base either for taking the examinations of the main professional accountancy bodies or further academic study. The list of exemptions is reviewed annually by the professional accountancy bodies and is subject to change, due to ongoing revisions to their professional syllabi. We seek to continue to secure existing or corresponding exemptions but this cannot be guaranteed. You are therefore advised to refer regularly to the relevant professional accountancy body’s website and to note that exemptions are awarded at their discretion.

Minimum Entry Requirements:
1. A pass in a relevant Bachelor Degree (Level 7) in a relevant field with an overall average performance of at least 40%.
2. An equivalent qualification to a Bachelor Degree (Level 7) with appropriate pre-requisite subjects.

APPLY DIRECTLY TO LIT
Tel: 061 293262
Email: admissions@lit.ie

FOR FURTHER INFORMATION
Contact: Ms. Helen Chadda, Programme Leader
Tel: 061 293317
Email: helen.chadda@lit.ie
Web: www.lit.ie/Courses/A8221
What is the programme about?
Put simply, business really matters in the current challenging global economy. The role of business is to enable commerce and to make the world a better place for all – by creating well-being, wealth, jobs, prosperity and choices. Our Honours Degree in Business provides students with the depth and breadth of knowledge and skills to work effectively at operational and management level within a business environment in the public or private sector or as a self-employed individual.

Our Business programmes educate students in a broad range of business principles and functions, providing a solid understanding of the modern business world. Coupled with an opportunity to undertake a work placement at the end of second year means that, on graduation, our students are equipped with the necessary core knowledge and skills to contribute immediately and effectively to any organisation.

Who is the programme suited to?
This programme is suited to students who wish to develop business skills and competencies to work effectively in management, marketing or finance across a wide range of sectors (e.g. public, private, retail, banking, manufacturing). Students who wish to develop strong analytical, problem solving and entrepreneurial skills or to become self-employed will find this programme is well suited to them.

Modules*
*(E) Denotes elective module
*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?
Business

Bachelor of Business

What is the programme about?
This programme will provide students with a deep knowledge of key business disciplines such as management, marketing and finance and the relationships between them.

In conjunction with the theoretical understanding of business concepts, the programme aims to provide students with a wide range of applied and analytical competencies such as problem solving, research and inquiry, use of technology, interpersonal communication, decision-making and group work theory and application. This combination of knowledge and skills ensures graduates have an understanding of the modern world of business that greatly enhances their opportunities for employment.

Who is the programme suited to?
This programme is suited to those who have a flair for and an interest in industry and who wish to embark on a career in the business world. Ideal for those who are seeking to acquire knowledge and skills in a number of key business and management areas. Work placement, projects and team assignments will simulate the challenges of the business environment within the college setting. Highly skilled, industry-experienced lecturers, using an applied and practical approach, deliver on all modules in a supportive, friendly environment.

Modules*

|---|---|

(E) Denotes elective module
*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?
Graduates of the programme are eligible to progress to Year 4 of the Bachelor of Business (Honours) degree. Graduates are also qualified to enter professional practice in entry-level business related business positions such as Trainee Manager, Sales Support, Business Analyst, Finance Analyst, Customer Service Representative, Public Servant or Self-employed.
What is the programme about?
Marketing, and increasingly, digital marketing, permeates through every industry sector and to progress in any organisation will require graduates to have not only skills in their relevant fields but also the digital marketing skills to operate in the workplace. This programme is built on a business foundation, with a focus on management, marketing and specifically, digital marketing. It covers the key principles of business, management, marketing and digital marketing, including assessing the impact of digital technology on the business and marketing, integrating social media tools into a marketing communications strategy, effectively using different forms of digital marketing in the development of an online presence, along with developing a plan for marketing a product or business online. The programme includes a flexible and adaptable work placement in Year 3, with a capstone final year 15-credit digital marketing focussed business/marketing plan or dissertation.

Who is the programme suited to?
Are you interested in social media, digital marketing, advertising, PR or branding? Do you want to work in a business with a strong social media presence…or no social media presence but which could hugely benefit from one? Are you the person to open up such opportunities for businesses ranging in size from small, family enterprises to multi-national corporations? Are you open to exploring, developing & presenting new ideas, working with classmates on projects, and actively participating in a range of practical assignments? Then, this programme, built on a business foundation, with a strong focus on management, marketing and specifically, digital marketing, is for you.

Modules

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

QOI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Eoghan Sadlier, Head of Department
Tel: 061 293862
Email: eoghan.sadlier@lit.ie
Web: www.lit.ie/Courses/LC220

*Please note the programme and content is subject to change during final programme validation in September 2017

Business with Digital Marketing
Bachelor of Business (Honours) Ab Initio

What is the programme about?
Marketing, and increasingly, digital marketing, permeates through every industry sector and to progress in any organisation will require graduates to have not only skills in their relevant fields but also the digital marketing skills to operate in the workplace. This programme is built on a business foundation, with a focus on management, marketing and specifically, digital marketing. It covers the key principles of business, management, marketing and digital marketing, including assessing the impact of digital technology on the business and marketing, integrating social media tools into a marketing communications strategy, effectively using different forms of digital marketing in the development of an online presence, along with developing a plan for marketing a product or business online. The programme includes a flexible and adaptable work placement in Year 3, with a capstone final year 15-credit digital marketing focussed business/marketing plan or dissertation.

Who is the programme suited to?
Are you interested in social media, digital marketing, advertising, PR or branding? Do you want to work in a business with a strong social media presence…or no social media presence but which could hugely benefit from one? Are you the person to open up such opportunities for businesses ranging in size from small, family enterprises to multi-national corporations? Are you open to exploring, developing & presenting new ideas, working with classmates on projects, and actively participating in a range of practical assignments? Then, this programme, built on a business foundation, with a strong focus on management, marketing and specifically, digital marketing, is for you.

Modules


Year 2: Mobile & Local Marketing, Management Accounting 2, Social Media Marketing, Personal Selling, Legal fundamentals for Business, eBusiness & Marketing, HRM Concepts, Search Marketing, Management Accounting 1, Sales Management, Corporate Law, HRM Practice.

Year 3: Branding, Marketing Research, Marketing Communications Media & Tools, Online Public Relations (P.R.), Organisational Information Systems and Business Intelligence, Marketing Communications, Analytics & Consumer Insight, Managerial Finance, Service Marketing, Marketing Research Project, Business Analytics for Decision Making, Work Placement (flexible).


Students also have the opportunity, if they wish, to study for a semester or year at one of our partner colleges, currently in France and Canada.

What can I do after the programme?
The BBS in Digital Marketing graduate will be an individual with a thorough grounding in all areas of business, as well as specialised, practical skills in Digital Marketing.
Enterprise & Innovation
Bachelor of Business (Honours) *Ab Initio*

What is the programme about?
The aim of this Business with Enterprise & Innovation programme is to develop in the graduate entrepreneurial, commercial and practical business skills. Graduates will acquire and develop the knowledge, skills and competencies along with the innovative and creative thinking mindset necessary to succeed in new business ventures, but also the management skills and knowledge required to allow employment in established businesses and/or entrepreneurial support organisations.

An “Active Enterprise” project in conjunction with start-up enterprises in Year 3 along with the development of a full Business Plan in Year 4 are critical elements of the programme. Students, even when not taking the language option, also have the option to spend a semester or year studying abroad.

Who is the programme suited to?
For those students who have an innovative idea for a product, technology or service, this programme aims to equip the student with skills to translate the idea into a viable business concept. Alternatively, graduates will have the competencies to support the entrepreneur with the ‘innovative idea’ in creating a competitive and sustainable commercial enterprise.

Modules


What can I do after the programme?
After successfully completing this programme, the opportunity may be available for graduates to gain access to the Hartnett Enterprise Acceleration Centre or the National Franchise Centre in Limerick City for commercialisation of a product or service. Graduates will also be suitable for employment in enterprise support agencies and established businesses, and are also eligible for progression to the LIT Level 9 Master of Business with Marketing & Management Strategy, subject to quality of award.
What is the programme about?

This programme will provide students with a full education in both law and taxation and present the many interrelationships between the two disciplines. It will also provide knowledge and understanding of essential business concepts. Taxation is taught from a practical applied viewpoint and as a branch of law with emphasis on legal principles. This degree is designed to reflect the increasing alignment of the law profession with the world of business.

This is the only combination degree in Law and Taxation in the mid-west region, which opens a world of opportunities to graduates. The programme has been awarded group 1 status from the Irish Taxation Institute. This entitles graduates to claim exemptions from all papers in Part 1 of the Institute’s suite of examinations. This programme covers all subject areas to prepare graduates sitting entrance exams to the Law Society of Ireland. The programme has also been accepted by the Teaching Council as fulfilling its degree requirement for registration as a post-primary teacher, subject to the complete programme of study being undertaken at LIT (Moylish). As with any other degree, a teaching qualification such as the Professional Diploma in Education is also required.

Who is the programme suited to?

The degree combines two important aspects of the global economy, law and business, providing students with great flexibility in your future career. If you want to practise law you can do so with a sound foundation in the principles of good business.

Alternatively, if you want to go into business you can do so with the thinking and analytical skills that come with a law degree. As a graduate, you will uniquely be equipped with a comprehensive range of relevant skills to assist you succeed in the legal, taxation and business fields.

Modules*


*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?

On successful completion of the programme, employment opportunities are available as: Trainee Tax Advisor, Trainee Solicitor, Regulatory Body Staff, Insurance Claims Assessor, Law Clerk/Legal Researcher, HR Administrator, Teaching (on completion of Professional Diploma in Education).
Marketing & Management
Bachelor of Business (Honours) *Ab Initio*

What is the programme about?
This is a cutting-edge programme designed primarily to prepare students for employment at executive management or marketing level in business, and at the same time provide students with a foundation for either further study or starting their own business venture. It is a marriage of business management with marketing, fostering a spirit of independent and innovative thinking with a sound understanding of theoretical issues and the ability to put these theories into practice. Project work forms a large element of the programme. Students, even when not taking the language option, also have the option to spend a semester or year studying abroad.

This programme has been recognised by the Teaching Council as fulfilling its degree requirement for registration as a post-primary teacher, subject to the complete programme of study being undertaken at LIT. As with any other degree, a teaching qualification such as the Professional Diploma in Education is also required.

Who is the programme suited to?
This programme is suitable for people who have an interest in careers as a Marketing Executive, Digital Marketing Assistant, Brand Manager, Sales Promotion Manager, Advertising/PR Executive, Business Studies Teacher, Marketing Researcher.

Modules*


*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?
Graduates have pursued successful careers in areas as diverse as marketing, advertising, public relations, media, exporting, sales & business management, with employers including Facebook, Google, Bank of Ireland, Diageo, Dell, Full Tilt Poker, Heineken, ParkMagic, ABP and Musgrave. Graduates may progress to examinations of The Marketing Institute of Ireland (MII), The Chartered Institute of Marketing (CIM) and The Institute of International Trade Ireland (IITI).

Minimum Entry Requirements:
Leaving Certificate: A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Ms. Tara Frawley (Limerick)
Tel: 061 293121
Email: tara.frawley@lit.ie
Web: www.lit.ie/Courses/LC225

Contact: Dr. Eileen Reedy (Thurles)
Tel: 0504 28153
Email: eileen.reedy@lit.ie
Web: www.lit.ie/Courses/LC411

Locations:
LIT Moylish Campus, Limerick & LIT Thurles Campus
What is the programme about?
This programme of study is designed to equip students with a solid grounding in business and in particular, Marketing and Management. The programme ensures that students will be able to demonstrate the practical skills, knowledge and competence required at junior executive level. There are approximately 24 hours of timetabled activities per week which include lectures and tutorials as well as a range of practical learning experiences, such as business case studies, industry project work and computer practicals; plus mid and end of year examinations.

Who is the programme suited to?
This programme is suitable for people who have an interest in careers as a Marketing Assistant, Digital Marketing Administration, PR Assistant, Sales Executive, Account Manager.

Modules
*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?
The ladder-style of this programme gives students the opportunity to study Marketing and Management at their own pace – do the first two years and receive a Higher Certificate, add one more for a Degree, and another for an Honours Degree.

Some exemptions may be available from the examinations of The Marketing Institute of Ireland (MII), The Chartered Institute of Marketing (CIM) and The Institute of International Trade of Ireland (IITI). A recent survey of current students and graduates of the programme found that over 82% of graduates and 84% of current students would recommend the programme.
Marketing & Management
Bachelor of Business

What is the programme about?
This one-year add-on programme has been designed to provide students with a strong knowledge of marketing, coupled with a broad foundation in the theory and practice of management.

The programme is a marriage of business management with marketing, fostering a spirit of independent and innovative thinking with a sound understanding of theoretical issues and the ability to put these theories into practice. Project work forms a large element of the programme, with assessments ranging from practicals, presentations, written reports, individual work, group work, exams, case studies and joint-assignments between a number of modules.

Particular emphasis is placed on managerial, technological and communication skills. These skills give students the opportunity to immediately seek employment or progress to the one year add-on honours degree in Marketing & Management at LIT and/or Professional Body examinations. This programme has links with the Marketing Institute of Ireland and the Sales Institute of Ireland.

Who is the programme suited to?
This programme is suitable for people who have an interest in careers as a Marketing Executive, Digital Market Assistant, Brand Manager, Sales Promotion Manager, Advertising/PR Executive, Business Studies Teacher, Marketing Researcher.

Modules


*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?
The ladder style of this programme give students the opportunity to study Marketing and Management at their own pace – do the first two years and receive a Higher Certificate, add one more for a Degree, and another for an Honours Degree.
What is the programme about?

This one-year add-on honours degree programme aims to provide students with a broad theoretical and practical preparation for a career at management level in a variety of real business situations. Leading-edge business thinking is addressed throughout the programme in the context of best contemporary practice. Students are encouraged to become independent and innovative thinkers with a sound understanding of theoretical issues and the ability to put these theories into practice.

This programme has been accepted by the Teaching Council as fulfilling its degree requirements for registration as a post-primary teacher, subject to the complete programme of study being undertaken at LIT. As with any other Degree, a teaching qualification, such as the Postgraduate Diploma in Education is also required.

Who is the programme suited to?

This programme is suitable for people who have an interest in careers as a Marketing Executive, Digital Marketing Assistant, Brand Manager, Sales Promotion Manager, Advertising/PR Executive, Business Studies Teacher.

Modules

*The offering of electives is subject to available resources and minimum numbers.

What can I do after the programme?

Graduates have pursued successful careers in areas as diverse as marketing, advertising, public relations, media, exporting, sales & business management, with employers including Facebook, Google, Bank of Ireland, Diageo, Deli, Full Tilt Poker, Heineken, ParkMagic, ABP and Musgrave.

Graduates may progress to examinations of The Marketing Institute of Ireland (MII), The Chartered Institute of Marketing (CIM) and The Institute of International Trade Ireland (IITI). Graduates are also eligible for progression to the LIT Level 9 Master of Business with Marketing & Management Strategy, subject to quality of award.
Marcus Horan
Former Munster & Ireland Rugby Player.
LIT Graduate - Sports Strength & Conditioning Masters

“ I found the lecturers to be extremely helpful and forthcoming with ideas and eager to share their practical experiences in the field, which led to an enjoyable and productive learning experience.”
**Undergraduate Programmes**

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**Postgraduate Programmes**

MSc Strength & Conditioning

*Details of Postgraduate Programmes are available in our Postgraduate Programmes Handbook or see: [www.lit.ie/postgraduate](http://www.lit.ie/postgraduate)*
The Department of Sport is dedicated to providing you with the relevant skills and competencies to deal with the real world challenges you will encounter in the workplace of your chosen discipline. The Department of Sport offers programmes leading to qualifications in Sports Strength & Conditioning, Sports Management and Sports Development and Coaching.

Our programmes are at Honours Degree (Level 8), Ordinary Degree (Level 7) and Higher Certificate (Level 6), with durations of study being 2, 3 and 4 years. All our Level 6 and 7 programmes offer graduates an opportunity to continue on to gain an Honours Degree (Level 8).

Our Sports Strength & Conditioning programme is delivered by experienced industry professionals in purpose built facilities and our Sports Management and Sports Development & Coaching programmes combine the best of sport, business and management.

The Department of Sport offers the following programmes that require students to undertake placement and volunteer posts:

- Business Studies with Sports Management Bachelor of Arts (Honours)
- Community Sports Development Bachelor of Arts
- Sports Development & Coaching Higher Certificate in Arts
- Sports Strength & Conditioning Bachelor of Science (Honours)
- Sports Strength & Conditioning Bachelor of Science

To ensure the protection of the public and justify public trust and confidence, LIT uses the Garda Vetting Unit (GCVU) service to assess the suitability of applicants to these programmes. Depending upon the outcome of the vetting process, the Institute reserves the following rights:

- To not register a student;
- To remove an existing registered student;
- To delay the student’s placement modules on programmes.

In all circumstances, it is the student’s responsibility to be proactive disclosing any convictions or pending cases. The Institute reserves the right to inform any placement provider of any convictions or pending cases.
Sport Progression Opportunities

### Postgraduate Studies
Level 9 & 10

- **4 years ab-initio OR 1 Year Add-on Level 8 Honours Degree**
  - LC422 Sports Strength & Conditioning (Thurles)

- **4 years ab-initio:**
  - Level 8 Honours Degree
  - LC295 Business Studies with Sports Management (Limerick)
  - LC421 Business Studies with Sports Management (Thurles)

- **1 Year Add-on Level 8 Honours Degree**
  - Community Sports Development

### College Entry
- Leaving Cert, FETAC, Mature

- **3 years:** Level 7 Degree
  - LC423 Sports Strength & Conditioning (Thurles)

- **2 years:** Level 6 Higher Certificate
  - LC228 Sports Development & Coaching

- **3 Years:** Level 7 Degree
  - LC290 Community Sports Development (Thurles)
What is the programme about?
This programme has been designed for people with a passion for sport who would like to work in an exciting, dynamic and global industry. Learn about working with athletes and training for performance and health. Develop your leadership skills and gain an understanding of governance and sports development, marketing, sponsorship, finance, law, running events, economics, public relations and human resource management. Develop your network of contacts through our professional links with various Sports Partnerships, the GAA, Camogie Association, FAI, Limerick FC, Munster Rugby, Thomond Park stadium, the Irish Sports Council and Coaching Ireland. Take the opportunity to travel during your placement while working or studying in Ireland or overseas. Play sport and make new friends. Whatever your ambitions in sport, Business Studies with Sports Management in LIT can help you achieve them.

Who is the programme suited to?
The programme will suit anyone with a passionate interest in sport and a flair for business and management. You don’t need to be an elite athlete; you just need a positive attitude, a willingness to work hard and the determination to succeed.

Modules

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What can I do after the programme?
Graduates can expect to find work in a broad range of areas. Many continue in postgraduate education while others go on to find employment with the National Governing Bodies, Local Sports Partnerships, community and voluntary organisations, commercial gyms and leisure centres, TV and media companies, event management companies, professional clubs, and sports agencies.

The skills and knowledge gained will also be highly applicable to companies outside of the sports sector.
Community Sports Development
Bachelor of Arts

What is the programme about?
Community Sports Development is the promotion of sports activities within communities. Sports Development Officers typically work with specific sports such as hurling, football, soccer and rugby, or with target populations such as children and younger people, older adults, women, ethnic groups, people with disabilities or people living in socially disadvantaged areas. The role of the Sports Coach is complementary to that of the Sports Development Officer. Their job description is incredibly diverse and may include friend, mentor, instructor, planner, analyst, counsellor, organiser, demonstrator, disciplinarian, physical trainer, psychologist, nutritionist and leader. Successful coaches are innovative, constantly learning and evolving, always challenging themselves and their athletes to improve.

This programme aims to develop high quality graduates with the skills necessary to succeed in this dynamic, exciting, challenging and potentially lucrative industry. We have professional links with numerous sporting organisations including Sport Ireland and the network of Local Sports Partnerships, the National Governing Bodies of Sport, local sports clubs and community organisations, disability groups, local gyms and leisure centres, the Great Limerick Run, Munster Rugby and Limerick F.C. External training courses such as FAI Kick Start, Leprechaun Rugby, GAA Foundation & Level 1 and the Child Protection course enhance the student’s career prospects and employability.

Who is the programme suited to?
It will suit individuals with a passion for people, sport and exercise. You will need to enjoy working in a team environment with people of all ages, from different backgrounds and with different abilities. Community sports development is a large and diverse area offering many opportunities within the private, public and voluntary sectors.

Modules


Year 3: Community Sports Development, Community Health Promotion, Sport & Society, Physical Activity for Special Populations, Placement.

What can I do after the programme?
The benefits of sport and physical activity both to the individual and the community are well established. The increased professionalism of sport and the growing scientific approach to fitness ensures continued demand for jobs in sport and community related activities. Graduates can seek work with local authority sport development teams, national governing bodies, community groups, schools and out of schools programmes, creches, sport clubs or youth organisations. They may also apply for graduate jobs in both the public and private sectors. Graduates can also progress to a one year, add-on Level 8 honours degree in Community Sports Development at LIT.
Sports Development & Coaching
Higher Certificate in Arts

What is the programme about?
Sports development is the promotion of sports activities within communities. Sports Development Officers typically work with specific sports such as hurling, football, soccer and rugby, or with target populations such as children and younger people, older adults, women, ethnic groups, people with disabilities or people living in socially disadvantaged areas. The role of the Sports Coach is complementary to that of the Sports Development Officer. Their job description is incredibly diverse and may include friend, mentor, instructor, planner, analyst, counsellor, demonstrator, disciplinarian, physical trainer, psychologist, nutritionist and leader. Successful coaches are innovative, constantly learning and evolving, always challenging themselves and their athletes to improve.

This programme aims to develop high quality graduates with the skills necessary to succeed in this dynamic, exciting, challenging and potentially lucrative industry. We have professional links with numerous sporting organisations including Sport Ireland and the network of Local Sports Partnerships, the National Governing Bodies such as the IRFU, GAA and FAI, local sports clubs and community organisations, disability groups, gyms and leisure centres, the Great Limerick Run, Munster Rugby and Limerick F.C. External training courses such as FAI Kick Start, Leprechaun Rugby, GAA Foundation & Level 1 and the Child Protection course enhance the student’s career prospects and employability.

Who is the programme suited to?
The programme will suit individuals with a passion for people, sport and exercise. You will need to enjoy working in a team environment with people of all ages, from different backgrounds and with different abilities. Sports development and coaching jobs are rarely 9-5, Monday to Friday roles and no two days are ever the same!

Modules


Students who wish to progress to Year 3 of the Bachelor of Arts (Honours) in Business Studies with Sports Management (Level 8) must choose the business electives in year 2.

What can I do after the programme?
The Federation of Irish Sport estimate that 40,000 people are employed in sport in Ireland. This is an industry that accounts for €1.9 billion in household spending and €1 billion in tourism revenue. Much of this money is being ploughed back into the development of sport in cities, towns and villages all across the country. The investment means that career prospects for good quality graduates will continue to be high and there will be a growing demand for graduates with skills in sports development and coaching.
Sports Strength & Conditioning
Bachelor of Science (Honours) Ab Initio

What is the programme about?
The programme is built around two pillars: strength/conditioning and business/technology. This combination places the programme in a unique position among sports programmes offered in Ireland. Practical sports strength and conditioning competencies are growing areas of interest and employment, both in Ireland and internationally. The Strength and Conditioning Coach is becoming a central and key figure in preparing and advancing the fitness and performance status of the individual athlete and team both in professional sport and also in amateur and recreational sport. Strength and conditioning coaches people towards optimal performance and injury prevention through the application of knowledge gained through many discipline areas such as sports science and exercise physiology.

Students are prepared for the UK Strength and Conditioning Association, ITEC Gym Instruction and the United States National Strength and Conditioning Association exams. This ensures successful graduates have the highest international standing. The programme also has strong links for work placement and research with Ireland’s leading sporting organisations. A modern Strength and Conditioning Coach will also have additional skills that utilise advances in technology to impact on the development of the athlete, player and team; as well as requiring the core elements of business to be flexible in applying his/her strength and conditioning skills. The Thurles campus houses an elite, state-of-the-art sports strength and conditioning facility that greatly enhances students' practical learning on the programme.

Who is the programme suited to?
The programme is suited to students who wish to become members of sports training professional bodies and pursue careers as top sports strength and conditioning coaches or entrepreneurs in the growing fitness industry.

Modules

**Year 1:** Functional Screening, Foundations of Anatomy, Physiology & Biomechanics, Growth, Movement and Long Term Player Development, Resistance Training 1, Fundamentals of Business and Communication, Fitness Conditioning and Coaching Skills.


**Year 4:** Programme Management, Monitoring and Recovery Science in Coaching, Venture Management, Research Project, Advanced Resistance Training, Accreditation Preparation.

What can I do after the programme?
The programme aims to equip students with a qualification that has an international competitive standing in the marketplace and the skills that are pivotal to the Strength and Conditioning practitioner. Graduates are expected to gain employment in sports organisations, sports’ national governing bodies, sporting clubs and colleges, health and fitness industry, community activity programmes and private enterprise. Graduates can also apply for entry to LIT’s Strength and Conditioning Masters programme.
What is the programme about?
The Bachelor of Science in Sports Strength and Conditioning is built around two pillars: strength/conditioning and business/technology. This combination places the programme in a unique position within Sports programmes offered in Ireland.

Students are prepared for the UK Strength and Conditioning Association ITEC Gym Instruction exams. Practical sports strength and conditioning competencies are growing areas of interest and employment, both in Ireland and internationally. The Strength and Conditioning Coach is becoming a central and key figure in preparing and advancing the fitness and performance status of the individual athlete and team both in professional sport and also in amateur and recreational sport.

The Thurles campus houses an elite, state-of-the-art sports strength and conditioning facility - the ‘SportsLab’. Among its facilities are a 3D Organic Motion Capture System for motion analysis - the 3D ‘marker-less’ facility is a key component of the SportsLab and among the most advanced in the world. It tracks the athlete’s motion to pinpoint technique issues and also identify injury risks. The facility also contains a 45m, six lane sprint track especially designed to improve speed; a Paralympic area; cable machines; a range of sport technology systems; including micro electro mechanical systems and GPS systems; Olympic lifting platforms; functional screening kits; weights and a full range of exercise machines. The facility greatly enhances students’ practical learning on the programme.

Who is the programme suited to?
This programme is suited to students who wish to become members of sports training professional bodies and pursue careers as top sports strength and conditioning coaches or become entrepreneurs in the growing fitness industry.

Modules


What can I do after the programme?
Graduates of the programme are eligible to progress to Year 4 of the Bachelor of Science (Honours) in Sports Strength and Conditioning.

On completion of the programme, graduates are expected to gain employment in sports organisations, sports’ national governing bodies, sporting clubs and colleges, health and fitness industry, community activity programmes and private enterprise.
"I studied the Community Development degree at LIT and would definitely recommend it to anybody interested in working with people in a community based career. Although the course workload was challenging at times, the assistance and support from our lecturers and friends in the class made it easier. I really enjoyed the work placement module which gave us a chance to put what we learned into practice. I feel that studying this course has definitely improved my interpersonal skills and I look forward to a rewarding career in community development."
**Department of Applied Social Sciences**

Faculty of Business & Humanities

### Undergraduate Programmes

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<td>LC432</td>
<td>Early Childhood Care &amp; Education <em>Bachelor of Arts</em> - Thurles</td>
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<tr>
<td>LC292</td>
<td>Social Care Work <em>Bachelor of Arts (Honours)</em> Ab Initio - Limerick</td>
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<td>LC402</td>
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### Postgraduate Programmes

- MA in Social Care Management
- MA by Research (within Social Sciences ConneXions research centre)
- MA in Leadership and Management in the Community and Voluntary sector
The Department of Applied Social Sciences provides programmes for the social care sector, the early childhood education and care sector and youth and community work. The social care programmes are housed within three of LIT’s campuses, this programme enables our graduates to be competent in the professional provision of care, protection, support, welfare and advocacy for vulnerable or dependent clients, individuals or groups. The Social Work programmes will ensure we have holistically developed professionals graduating from our programme to work in a range of settings encompassing people with learning disabilities, probation, hostels, “at risk” people, abused children, residential care and general community work. The aim of the social care programmes is to provide skilled and professionally competent graduates to work in a variety of social care settings and to furnish students with relevant knowledge, skills and an appropriate level of personal development.

The Department also offers a level 7 Early Childhood Education and Care degree in Thurles and a BA (Hons) in Community Development in our Moylish campus in Limerick. The ECCE programme is designed to enable graduates to be professionally competent early years educators in a range of Early years settings. The Community Development programme is designed to enable students to develop the skills and competencies to work in the areas of community development, in the voluntary sector or in social inclusion.

The Department of Applied Social Sciences offers programmes that require students to undertake placement and volunteer posts. To ensure the protection of the public and justify public trust and confidence, LIT uses the Garda Vetting Unit (GCVU) service to assess the suitability of applicants to these programmes. Depending upon the outcome of the vetting process, the Institute reserves the following rights:

• To not register a student;
• To remove an existing registered student;
• To delay the student’s placement modules on programmes.

In all circumstances, it is the student’s responsibility to proactively disclose any convictions or pending cases. The Institute reserves the right to inform any placement provider of any convictions or pending cases. We also offer a voluntary option to students to undertake a programme of Hep B vaccination if they so wish.
Applied Social Sciences
Progression Opportunities

Postgraduate Studies
Level 9 & Level 10

4 years ab-initio
Level 8 Honours Degree
LC297 Community Development
(Moylish, Limerick)

4 years ab-initio
Level 8 Honours Degree
LC292 Social Care Work
(Moylish, Limerick)

LC402 Social Care Work (Thurles)

3 years Level 7 degree
LC432 Early Childhood Care & Education
(Thurles)

3 years Level 7 Degree
LC602 Social Care Work
(Ennis)

College Entry
Leaving Cert, QQI/FETAC, Mature

Undergraduate Prospectus 2018/2019
What is the programme about?
This programme has been designed in consultation with employers, so its content is relevant to employment in the development sector in Ireland. There is a substantial practical component to this programme so students will develop the real skills and competencies required for the workplace. A practical placement in years two and three is a key element of the programme which will allow students apply their learning in a real-life environment. Students on this programme will develop competencies and skills that will enable them to enter careers in development and social inclusion work. Students will develop practical skills based on the study and analysis of Irish Society and Irish communities; the social, economic and political issues affecting Irish society and different social groups; the role of development in addressing poverty, inequality and social exclusion; the impact of global processes on Irish society.

Potential Applicants please note: This programme specialises in Community Development and as such it does not offer a specialisation or qualification in Social Care. All applicants accepting a place on this programme will be required to obtain Garda Clearance prior to full registration on the programme.

Who is the programme suited to?
This programme will be of interest to students interested in working in the areas of community development, the voluntary sector or in social inclusion.

Modules

<table>
<thead>
<tr>
<th>Year 1: Semester 1:</th>
<th>Introduction to Community Work 1, Interpersonal Communication, Active Citizenship &amp; Volunteering, Applied Research &amp; Writing Skills, Political Ideology, Introduction to Homelessness (Elective), Introduction to Working with Vulnerable Young People (Elective).</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Year 2: Semester 3:</th>
<th>Professional Development, Social Policy, Models of Community Work 1, Organisation Behaviour in the Community Sector, Psychology 2, Group-Work 2, Poverty &amp; Policy.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 4:</td>
<td>Inequality &amp; Policy, Organisation Behaviour in the Community Sector, Social Policy &amp; Provision, Facilitation Skills in Community Work, Management in the C&amp;V Sector, Models of Community Work 2.</td>
</tr>
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<tr>
<th>Year 3: Semester 5:</th>
<th>Professional Placement (15 weeks)</th>
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</thead>
<tbody>
<tr>
<td>Semester 6:</td>
<td>Sociology &amp; Diversity, Psychology of Stress &amp; Distress, Professional Development, Project Management for Community Groups, Quantitative Research Methods, Qualitative Research Methods.</td>
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</tbody>
</table>

| Year 4: | Research Thesis, Sociology in Practise, Participatory Techniques in Community Work, Training & Development Skills, Governance & Programme Management in the Community & Voluntary Sector, Current Issues in Community Work, Global Development Theories & Practice, & there are two electives to choose from - Practice Social Enterprise or Psychology in Practice: Approaches to Addiction. |

What can I do after the programme?
There are increasing opportunities for paid professional work and career progression within the community and voluntary sector. Graduates will be eligible to work in various roles in the development sector including: Community Development Worker/Coordinator, Community Youth Worker, Policy Worker, Social Researcher/Research Assistant, Group Worker/Facilitator. Some graduates work for Family Resource Centres, LEADER companies, An Garda Síochána.
Early Childhood Care & Education
Bachelor of Arts

What is the programme about?
Children require high-quality education and care during their formative years to reach their potential and this is the focus of this degree programme. The programme is structured to enable participants to become professional, reflective practitioners with an integrated approach in early childhood education and care. Students will acquire skills in areas such as: children’s play and creativity; care; education; children’s literature; psychology, sociology and social policy. A supervised work placement in a variety of early years settings is a key element of the programme enabling students to learn from practice as well as theory.

Modules covering areas such as: education and play; child development and education; drama and movement, art and music, social environment; health; hygiene; nutrition; safety; communication; management and personal and professional development. The design and content of the programme has been determined by the Model Framework for Education, Training and Professional Development for the Early Childhood Care and Education sector.

It is an innovative practice-led programme where students learn how to combine theory and practice and to develop as reflective practitioners. An active learning environment is achieved through lectures, seminars, workshops, enquiry-based learning with children’s learning materials.

Placement Modules: The programme includes a work placement that will bring students into direct contact with children. To ensure the protection of the public and justify public trust and confidence, LIT uses the Garda Central Vetting Unit (GCVU) service to assess the suitability of applicants.

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What can I do after the Programme?
Graduates may find employment as early childhood educators and managers in a variety of early childhood settings in the private and community sectors. Graduates on similar programmes in this area have also gone on to level 8 studies which opens up access to postgraduate studies in Ireland, UK, Australia in areas including: speech and language therapy, equality studies, legal studies, child and family community studies, applied behaviour analysis, Montessori and adult and community education.
What is the programme about?

This programme emphasises the personal and professional development required to work in this challenging field. Social Care is the professional provision of care, protection, support, welfare and advocacy for vulnerable or dependent clients, individually or in groups. As a graduate, you will find employment opportunities with the HSE, statutory and voluntary organisations and with both residential and community-based agencies.

Typically, a social care worker is employed in areas such as working with people who have physical or learning difficulties/disabilities, young people at risk, children who have been neglected or abused and elderly people, in settings as diverse as residential care, day care, and community based services.

Who is the programme suited to?

This programme aims to prepare skilled and professionally competent graduates to work in a variety of social care settings and to facilitate students in acquiring the relevant knowledge and skills to engage in professional reflective practice. The qualities needed to become a good social care worker include energy, enthusiasm, empathy and a genuine interest in working with the most deprived and marginalized groups in society.

Garda Vetting is a requirement.

Modules

Year 1: Semester 1: Personal Development 1, Principles and Practice of Social Care 1, Social Care Practise Electives, Active Citizenship and Volunteering, Health, Resources and Home Management, Applied Research and Writing Skills.
 Semester 2: Personal Development 1, Principles and Practice of Social Care 1, Social Care Practise Electives, Introduction to Creative Studies, Psychology 1, Sociology 1.

Year 2: Semester 3: Personal Development 2, Legal Studies 1, Principles and Practice of Social Care 2, Social Care Practise Electives, Psychology 2, Social Policy, Professional Development.
 Semester 4: Practise Placement 2 (15 weeks).

Year 3: Semester 5: Practise Placement 2 (15 weeks).


What can I do after the programme?

On successful completion of the programme, job opportunities for graduates include: Social Care Worker, Community Project Worker, Family Support Worker. LIT graduates often work for HSE, Limerick Youth Service, Brothers of Charity, Enable Ireland, Focus Ireland, Novas Initiatives.
Social Care Work
Bachelor of Arts

What is the programme about?
This programme emphasises the personal and professional development required to work in this challenging field. Social Care is the professional provision of care, protection, support, welfare and advocacy for vulnerable or dependent clients, individually or in groups. As a graduate, you will find employment opportunities with the HSE, statutory and voluntary organisations and with both residential and community-based agencies.

Typically, a social care worker is employed in areas such as working with people who have physical or learning difficulties/disabilities, young people at risk, children who have been neglected or abused and elderly people, in settings as diverse as residential care, day care, and community based services.

Placement Module: Students will undertake practice placements in different work settings. This will enable the student to engage in the practical application of the knowledge and skills acquired during the academic year.

To ensure the protection of the public and justify public trust and confidence, LIT uses the Garda Central Vetting Unit (GCVU) service to assess the suitability of applicants.

Who is the programme suited to?
This programme aims to prepare skilled and professionally competent graduates to work in a variety of social care settings and to facilitate students in acquiring the relevant knowledge and skills to engage in professional reflective practice. The qualities needed to become a good social care worker include energy, enthusiasm, empathy and a genuine interest in working with the most deprived and marginalized groups in society.

Modules

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<tr>
<th>Year 1: Semester 1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Semester 2</td>
<td>Personal Development 1, Principles and Practice of Social Care 1, Social Care Practise Electives, Introduction to Creative Studies, Psychology 1, Sociology 1.</td>
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<tr>
<td>Year 2: Semester 1</td>
<td>Personal Development 2, Legal Studies 1, Principles and Practice of Social Care 2, Social Care Practise Electives, Psychology 2, Social Policy, Professional Development.</td>
</tr>
<tr>
<td>Semester 2</td>
<td>Practice Placement (15 weeks).</td>
</tr>
<tr>
<td>Year 3: Semester 1</td>
<td>Practice Placement (15 weeks).</td>
</tr>
</tbody>
</table>

What can I do after the programme?
On successful completion of the programme, job opportunities for graduates include positions as: Social Care Worker, Community Project Worker, Family Support Worker. Graduates can also progress to a Level 8 add-on honours degree at LIT.
The Culinary Arts course at LIT is fantastic and I learned so much from the knowledgeable lecturers who teach there. During my time in LIT, I was delighted to be crowned KNORR Student Chef of the Year.”
## Department of Food & Tourism

Faculty of Business & Humanities

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Department of Food & Tourism

Heads of Faculty
Ms. Marian Duggan, BBS, FCA, AITI, ACMA, HDPES
Mr. Donnacha McNamara, Dip IHM, B Comm, MBS, MMI

Head of Department of Food & Tourism
Dr. Catriona Murphy, B.Sc, M.Sc, PGDP, Cert Ed., Ph.D

For further information contact
Department of Food & Tourism
Tel: 061 293857

The Department of Food & Tourism provides a high quality and relevant education in Travel and Tourism Management, Event Management, Hotel Front Office Management, Hospitality Studies and Culinary Arts. All our programmes provide a blend of theory and practice through active learning approaches where we actively prepare our students for dynamic and exciting careers in Food & Tourism.

Our Department works closely with leading industry organisations and experts including Fáilte Ireland, Irish Hotel Federation, The Taste Council, Bord Bia, Restaurant Association of Ireland, Association of Ireland Festival and Events, Tourism Ireland, Ireland Skills and Euro-Toques. In addition, as all our students are required to complete a professional work placement, we have extensive links with leading industry professionals which ensures that our graduates continue to shape and contribute to the sustainable development and future of the Irish hospitality, travel and tourism industry.

The Department of Food & Tourism offers the following programmes that require students to undertake placement:

- Business Studies with Event Management Bachelor of Arts (Honours)
- Business Studies with Travel and Tourism Management Bachelor of Arts (Honours)
- Hotel Front Office Management Higher Certificate in Business
- Hospitality Studies Higher Certificate in Arts
- Add-on Hospitality Supervision Bachelor of Arts
- Culinary Arts Higher Certificate in Arts
- Add-on Culinary Arts Bachelor of Arts

To ensure the protection of the public and justify public trust and confidence, LIT uses the Garda Vetting Unit (GCVU) service to assess the suitability of applicants to these programmes. Depending upon the outcome of the vetting process, the Institute reserves the following rights:

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Food & Tourism
Progression Opportunities

Postgraduate Studies
Level 9 & 10

1 year Add-on Level 7 degree
Hospitality Supervision

4 years ab-initio
Level 8 Honours Degree
LC293 Business Studies with Travel & Tourism Management

4 years ab-initio
Level 8 Honours Degree
LC294 Business Studies with Event Management

1 year Add-on Level 7 degree
Culinary Arts

2 years: Level 6 Higher Certificate
LC299 Hospitality Studies

2 years: Level 6 Higher Certificate
LC296 Hotel Front Office Management

2 years: Level 6 Higher Certificate
LC298 Culinary Arts

College Entry
Leaving Cert, QQI/FETAC, Mature
What is the programme about?
The BA (Honours) in Business Studies with Event Management will appeal to students who wish to pursue a management career in the event industry.

Graduates of this programme will have practical business know-how grounded in the event sector as this programme provides a broad introduction to event management principles and practice. This programme contains a significant work placement in Year 3, giving students the chance to take classroom knowledge to the workplace and it also has professional links with the Association of Irish Festivals and Events (AOIFE), Meet Shannon Region Conference and NEO Ireland.

Who is the programme suited to?
The BA (Hons) in Business Studies with Event Management is very suited to students who have a keen interest in meeting people, organising events and working as a part of a team.

This programme also offers students the opportunity to travel and work in many different parts of this growing industry namely in events within the sports, tourism and hospitality industries and in corporate business.

Overall, it is ideal for anyone who has the responsibility for planning and organising events or those who wish to become involved in this activity.

Modules

| Year 1: Business Management, Media Communications & Personal Development, Research & Information Technology, Event Operations, Event Planning, and Corporate and Entertainment Events. |
| Year 3: Human Resources Management, Entrepreneurship and Business Planning, Festival and Events Planning and Outcomes and Event Work Placement (600 hours approx.) |

What can I do after the programme?

Graduates will have experienced all facets of Event Management to provide them with the best education to suit today’s economy and diverse event management industry.

A graduate will find a diverse range of career opportunities both in Ireland and abroad and they can expect to find employment in a variety of event, public relations and entertainment enterprises including arts and music festivals, charitable non-profit organisations, community development organisations, conference and convention centres, event management agencies, hotels, multinational companies, national and regional tourism organisations, public relations firms, public sector organisations, sports and leisure centres.
Business Studies with Travel and Tourism Management
Bachelor of Arts (Honours) *Ab Initio*

What is the programme about?
The BA (Honours) in Business Studies with Travel and Tourism Management will appeal to students who wish to pursue a management career in the travel and tourism industry. This programme is continually updated and developed to meet industry needs.

Graduates of the programme will have practical business know-how grounded in the travel and tourism sector as this programme provides a broad introduction to travel and tourism management principles and practice. The programme contains a significant work placement in Year 3, giving students the chance to apply classroom knowledge to the workplace. The programme also has professional links with the Irish Hotels Federation, Fáilte Ireland, Tourism Ireland and the Northern Ireland Tourist Board.

Who is the programme suited to?
The B.A. (Hons) in Business Studies with Travel and Tourism Management is ideally suited to students who have a keen interest in meeting people, enjoy working as a part of a team, like to travel and have good organisational skills.

The travel and tourism industry both at home and abroad continues to grow and this programme offers students the opportunity to travel and work in many different sectors including culture & heritage, hospitality, events, sports and transport as well as more general business areas. Overall, the programme is suited to anyone who wishes to learn more about the travel and tourism industry while developing their business and management skills.

Modules

**Year 1:** Business Management, Media Communications & Personal Development, Research & Information Technology, Tourism and Event Operations, Tourism Studies and Travel Operations and Geography.


**Year 3:** Human Resources Management, Entrepreneurship and Business Planning, International Destination Management, Travel and Tourism Work Placement (600 hours approx.)

**Year 4:** Financial Management, Strategic Tourism Management, Tourism Marketing Management, Global Tourism Issues, plus Research Thesis.

What can I do after the programme?
On successful completion of the programme, graduates will have studied and experienced several aspects of business and tourism.

A graduate will have a diverse range of career opportunities both in Ireland and abroad and they can expect to find employment in a variety of different areas such as tourism enterprises, community development organisations, national and regional tourism bodies and hospitality and travel organisations. There are also opportunities for further studies, for example, taught postgraduate or research masters programmes.

Minimum Entry Requirements:
**Leaving Certificate:** A minimum of 2 H5 & 4 O6/H7 grades in six Leaving Certificate subjects, including Mathematics and English or Irish. Foundation Level Mathematics at grade F2 or higher is acceptable as meeting the Mathematics requirement for this programme.

**QQI FET/FETAC Applicants & Mature Applicants:** Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION

Contact: Dr. Noelle O’Connor, Programme Leader
Tel: 061 293524
Email: noelle.oconnor@lit.ie
Web: www.lit.ie/Courses/LC293
What is the programme about?
This programme is designed to provide students with the knowledge, skills and competencies for supervisory management in a hotel front office. A graduate will have developed practical and unique skills to enter the front office operations of businesses in the broad tourism and hotel sectors.

A compulsory summer work placement within the front office of a hospitality organisation forms part of this programme, giving students hands-on know how and valuable work experience upon graduation.

The programme has professional links with the Irish Hotels Federation, Irish Hospitality Institute and Fáilte Ireland.

Who is the programme suited to?
This programme will suit individuals who want to pursue a progressive career in both the Irish and international hospitality industry with a specialisation in Hotel Front Office Management. The opportunity to travel and work in this dynamic and exciting sector is always worthy of consideration.

Front Office staff have a keen intuition that allows them to anticipate needs and exceed expectations of their guests. They have excellent communication skills, can multi-task, are team-oriented, and work diligently to resolve issues when they arise.

As the communications centre of the hotel, the front office is often a stepping stone for entry-level managers. Front office and guest services positions offer each candidate the opportunity to communicate on a daily basis with all departments of the hotel, increasing the candidate’s exposure to the full hotel property operation.

Modules

What can I do after the programme?
Graduates will be equipped to work as a Senior Front Desk Agent, Front Office Manager, Guest Relations Manager, or Customer Services Manager. LIT graduates work across a wide range of hospitality businesses including Adare Manor Hotel and Golf Resort, Dromoland Castle, Radisson Blu Hotels and Hilton Hotels. Successful graduates also have the opportunity to progress to the Level 8 Bachelor of Arts (Honours) programme in Business Studies with Travel and Tourism Management offered at LIT, subject to availability of places.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish. Foundation Level Mathematics at grade F2 or higher is acceptable as meeting the Mathematics requirement for this programme.

QFET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Mr. Martin Neville, Programme Leader
Tel: 061 293836
Email: martin.neville@lit.ie
Web: www.lit.ie/Courses/LC296

Hotel Front Office Management
Higher Certificate in Business

What is the programme about?
This programme is designed to provide students with the knowledge, skills and competencies for supervisory management in a hotel front office. A graduate will have developed practical and unique skills to enter the front office operations of businesses in the broad tourism and hotel sectors.

A compulsory summer work placement within the front office of a hospitality organisation forms part of this programme, giving students hands-on know how and valuable work experience upon graduation.

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Culinary Arts
Higher Certificate in Arts

What is the programme about?
The Culinary Arts programme provides graduates with the skills to cook to an appropriate level of competence, and to establish a base for further professional career development. This programme prepares students for work as professional chefs in the hospitality and tourism sectors. A chef will learn to be creative in the kitchen but also requires good business management and communications skills to organise and direct staff in the kitchen environment and our programme provides students with these skills. A Culinary Arts qualification is a passport to travel and the programme is recognised worldwide.

The programme covers the theory and practice of professional cookery and includes a 12 week work placement.

Note: This programme is supported by Fáilte Ireland. Students will require €450 approx. for knives, books, uniforms and safety shoes in the first week of college.

Who is the programme suited to?
The programme will appeal to students interested in developing a career as a professional chef in the hospitality and tourism industry. The hotel industry seeks to train approximately 3,000 new chefs a year due to natural attrition so there are exciting and plentiful career options for students.

Modules

### Year 1
- Culinary Skills 1, Culinary Operations, Pastry 1, Food Safety & Nutrition, Information Technology, Larder & Product Knowledge and Communications & Personal Development.

### Year 2

What can I do after the programme?
On successful completion of the Culinary Arts programme, students will be prepared for employment as professional chefs in the tourism and hospitality industry, having a standard equivalent to completing two years of the four-year chef apprenticeship.

Graduates of the Level 6 Culinary Arts programme can also progress to a one year add-on Level 7 degree in Culinary Arts at LIT.
What is the programme about?
This one year full-time Level 7 degree programme provides a unique blend of practical application and theory that immerses the student in Culinary Arts with an emphasis on developing innovative and knowledgeable chefs who are able to excel in a wide range of increasingly dynamic and competitive environments.

The programme is designed to enable both recent graduates and experienced chefs to maximise their potential both personally and professionally. Students are required to attend LIT from September to February followed by a full-time, paid 6 month work placement from March to August.

Who is the programme suited to?
This add-on programme provides skilled craft graduates required for industry by focusing on the development of a combination of practical food preparation skills and product knowledge, while also emphasising professionalism, personal development and lifelong learning.

Modules
- Advanced Pastry
- Advanced Culinary Skills
- Contemporary Industry Developments
- Media & Marketing
- Research Methods
- Professional Culinary Work Placement

What can I do after the programme?
This degree programme aims to equip individual students with both additional skills and education necessary for a career in the culinary arts. These skilled graduates will meet Irish and international demand for high calibre professional practitioners.
Hospitality Studies
Higher Certificate in Arts

What is the programme about?
The aim of this programme is to prepare students for a variety of positions in the hospitality industry which provide either food, beverage or accommodation services. Students will acquire a range of skills such as Food Preparation, Restaurant Service, Accommodation Service, Bar Service and Front Office Service, Business Operations and Communications.

Note: Students will require €300 approx. for knives, books, uniforms and safety shoes in the first week of college.

Who is the programme suited to?
This is a full-time, practically based, multi-skilled programme aimed at providing students with the skills and knowledge essential for finding employment in operational areas of businesses across the broad tourism and hospitality sectors.

Modules

Year 1: Restaurant Service, Culinary Skills, Tourism, Communications and Personal Development, Information Technology, Tourism Studies and Wine and Beverage Studies.

Year 2: Advanced Food and Beverage Service, Accommodation Services, Front Office Operations, Business Management, Professional Orientation – Work Based Learning.

What can I do after the programme?
Graduates will typically find employment in the hospitality industry at various grades with the potential to progress with experience to supervisory or management grades in the industry. Graduates can also progress to a one year add-on Level 7 degree in Hospitality Supervision at LIT.

Minimum Entry Requirements:
Leaving Certificate: A minimum of 5 O6/H7 grades in Leaving Certificate subjects, including Mathematics and English or Irish. Foundation Level Maths at grade F2 or higher is acceptable for entry to the programme.

QQI FET/FETAC Applicants & Mature Applicants: Refer to section ‘Entry Requirements’ for further information.

FOR FURTHER INFORMATION
Contact: Ms. Brid Crotty, Programme Leader
Tel: 061 293340
Email: brid.crotty@lit.ie
Web: www.lit.ie/Courses/LC299
What is the programme about?
This one year full-time Level 7 programme provides a unique blend of practical application and theory to equip students with both additional skills and education necessary for a career in the Hospitality industry in a supervisory capacity.

The programme is designed to enable both recent graduates and experienced individuals to maximise their potential both personally and professionally. This programme contains a significant work placement and has professional links with Fáilte Ireland, Tourism Ireland, Irish Hotel Federation and the Restaurant Association of Ireland.

Students are required to attend LIT from September to February followed by a full-time paid work placement from March to August. Duration of work placement is 600 hours minimum.

Who is the programme suited to?
The BA in Hospitality Supervision is very suited to students who have a keen interest in developing a professional career in the Hospitality sector at a supervisory level.

This programme will allow both persons who hold a Higher Certificate in Hospitality Studies or equivalent (Level 6) and/or relevant industry experience to extend their knowledge and skills in this exciting industry.

Modules
Food & Beverage Supervision, Hospitality Revenue Management, Media and Marketing, Research Methods, Contemporary Industry Approaches and a 6 month professional hospitality paid work placement.

What can I do after the programme?
This degree programme aims to allow students to advance technical food and beverage skills, enhance hospitality revenue management knowledge and acquire an appreciation of supervision approaches and techniques in the hospitality workplace.
National Traineeship in Professional Cookery
(Day Release) (FETAC Level 6)

What is the programme about?
The traineeship is designed to enable chefs to learn on the job while formalising their training on a day release basis in college. It is the first programme of its kind to offer the potential of a qualification in Professional Cookery from a work based learning programme, with minimum time required away from the workplace. This programme is based on a solid foundation of practical culinary skills and techniques reinforced by a formal academic qualification.

Trainees work full-time as chefs and attend college one fixed day a week, with a one week period of college in September and June in stage one. Employers support the trainees in paid employment for the duration of the programme and nominate a dedicated mentor to support the trainee. All work based learning is supported by the academic programme.

Fáilte Ireland will contribute to the tuition and registration fees for this programme, however, colleges may require additional payment towards the cost of student services, uniforms, books and certain training modules.

Who is the programme suited to?
This two year National Chef Traineeship is designed for aspiring chefs with a creative passion and flair for working with food in the tourism and hospitality industry.

Modules

- **Year 1**: Culinary Techniques, Pastry, Menu Planning and Applied Nutrition, Food Science and Technology, Meal Service, International Cuisine, Personal Effectiveness, Spreadsheet Methods and Work Practice.

The Schools’ Liaison Office at LIT provides a range of services to give students information about LIT and aims to provide students with relevant information about our programmes, entry requirements, student support services and student life in general at LIT.

We appreciate that choosing what course to study and what college to attend are major decisions for students. There are many factors to consider, from course availability and entry requirements to college location and accommodation costs.

The Schools’ Liaison Office is an ideal point of contact for second level and post leaving certificate students considering their college options, as well as for Parents or Guardians, Guidance Counsellors, School Principals or anyone wishing to find out more about LIT and our range of programmes and services.

Our services include:

- Annual Open Days and Information Evenings
- School Visits/Presentations
- Information stands at schools
- Careers Fairs and Exhibitions
- Campus Tours and Familiarisation Visits
Annual Open Days
Our annual Open Days in October are a major event on our calendar where we extend an invitation to prospective students to visit LIT and see for themselves the great all-round college experience that LIT offers. The Open Days offer prospective students the perfect opportunity to visit LIT and find out more about their preferred course in detail, take a tour of the campus (es) and explore our facilities. Students can also meet our staff and students and find out for themselves about the great student experience that LIT offers.

We also host many additional information events for students, teachers and parents throughout the year across our campuses in Limerick and Tipperary. Details of these events will be notified to schools and are advertised on our CAO Hub: [http://cao.lit.ie](http://cao.lit.ie)

School Visits/Presentations
School visits by LIT can be organised throughout the year. The visit generally comprises of a presentation/talk and these can be general or department/programme specific. The general presentation consists of an overview of LIT, a brief summary of the programmes available, student services and the facilities on offer.

Specific presentations can also be organised for:
- Art & Design
- Business & Humanities
- Applied Science, Engineering & Technology

Information Stands
The Schools’ Liaison team can arrange a visit your school and can host a stand to provide information on our programmes and answer questions from students or teachers.

Careers Fairs and Exhibitions
LIT participates in many careers fairs and exhibitions around the country throughout the year, including Higher Options Dublin, the Mid-West Careers Exhibition, Career Options Cork and many local and regional events. If you have an event that you would like LIT to attend, contact our Schools’ Liaison Office and we will try to accommodate you.
Campus Tours and Familiarisation Visits

We welcome the opportunity to show prospective students around the LIT campuses giving them a chance to see at first-hand everything LIT has to offer. We are happy to arrange campus visits by appointment and if required, we can also arrange a general or programme/department specific information talk.

Discovery Events

Various events take place in LIT throughout the year including Science and Engineering Weeks, Construction Day, MarketLink Fair, Portfolio Information Days, Games Fleadh, and many more. These discovery events are designed to introduce second level, further education and mature students to various discipline areas and the range of career opportunities available. Should your students wish to explore a specific department or programme, we will happily work with you and the department to arrange a visit, demonstration/presentation.

Publications

LIT’s Prospectus and other Institute literature are updated annually and are distributed to all schools and learning centres nationwide. They are also available at the various careers exhibitions LIT attends around country. Prospective students can also access college publications and detailed programme information from our dedicated CAO Information Hub: http://cao.lit.ie

Talks for Guidance Counsellors and Parents

We are happy to provide information talks for Guidance Counsellor groups and Parents groups.

For further information on the range of services available to schools or to request a school visit, contact:

Ann McBride, Schools Liaison Office
T: 0504 28021
E: schools@lit.ie
W: cao.lit.ie

Keep in touch with news and events at LIT via our Social Media pages:

LimerickIT @LimerickIT LimerickIT LITSNAP Limerick_IT
STEPS TO SELECTING THE RIGHT COURSE FOR YOU

- **Establish your career goals and interests.** Think about what you enjoy, what you are good at, what kind of personality you are, and the values you hold. Find out more about the nature, working conditions and future prospects of the jobs that interest you.

- **Do your research.** If you know what career interests you the most, find out what kind of education and training you’ll need to work in that field, and anything else that can help you narrow your focus. Familiarise yourself with the different types of courses in the area and compare and contrast these courses. Decide on the type of course which suits you best.

- **Be prepared.** It is important to make sure you are academically prepared for college. Have you the subjects required for entry to the course that you are interested in? Are there certain grades required in particular subjects? Have you checked how many points were required for entry to the course last year?

- **Research and gather information.** Contact the colleges that interest you. Contact the Admissions Office to get more information on the college or the course you are interested in. Visit the college website and other internet resources for more information. If you can, talk to people who are currently studying in the colleges that you are interested in. Think about the college characteristics that are important to you, for example, location, class size, learning environment, student life.

- **Carefully consider your course choices.** When completing your CAO application, rank your course choices on your CAO application in genuine order of preference, based on your own career aspirations.

- **Keep your options open.** You can include up to 20 course choices on your CAO application. You can include 10 Level 8 (Honours Bachelor Degree) courses and 10 Level 6 (Higher Certificate) and Level 7 (Ordinary Bachelor Degree) courses. Filling in all 20 is a great safety net. Also, most colleges that offer Level 6 and Level 7 courses also have add-on courses that give you the option to progress to Level 7 and Level 8 courses.

- **Get help and talk it out.** It is a good idea to talk through your course choices with someone - whether it is your parents, siblings, friends, guidance counsellor or teacher. Before you submit your final course choices, sit down with someone to check and cross-check your application to ensure all is ok. Are there any courses on your list that you would not accept if offered? Any course that you are hesitant about needs more research or remove it from the list. Keep your CAO information safe and make sure you keep your CAO number and any relevant passwords to hand.