

IT Sligo

An Institiúid Teicneolaíochta, Sligeach

Information Technology
Environmental Management
Accounting
Occupational Health
Social Studies
Self Improvement
Electronic Engineering
Management
Professional Development
Engineering
Construction
Biopharma
Arts

Humanities
Environmental Management
Business
Information Technology
Engineering
Self Improvement
Distance Learning
Cloud

Flexibility
Self Improvement
Marketing
Social Studies
Distance Learning
Occupational Health
Professional Development
Computing

e-learning
Professional Development
Business
Computing
Information Technology
Environmental Management
Biopharma
Social Studies
Humanities

CPD
Marketing
Environmental Protection
Mechatronics
Industrial Pharmaceutical
Science
Accounting
Quality Management
Occupational Safety
Convenience
Engineering
Distance Learning
Arts

Cloud
Mechatronics
Quality
Electronics
Professional
Distance Learning



Part-time, Online and Postgraduate Study

2012



Open Evening

**Interested in Learning More
about Learning More?**

28 May 2012 6:00 to 8:00pm

Your questions answered by our experts.
Our programme specialists and open learning
facilitators will be available to answer your
questions and give more details on our programmes.

**Learning more...
It couldn't be easier.**



President's Welcome



Thank you for taking the time to consider studying at IT Sligo. We design our programmes to be student-focused, combining flexibility and convenience to suit your lifestyle and needs. You will read about a wide range of programmes with different study options in this prospectus.

From experience we know that there are many reasons why you may be considering a return to study. It may be for reasons of career advancement and promotion. Some people decide to upskill and enhance employability by gaining new qualifications and taking a new direction. Others wish to progress in their current careers. In the current year we were pleased to offer more than 240 places through the Government Springboard Initiative and details regarding eligibility for financial assistance will be kept up-to-date on our website.

Whatever your reasons for wishing to study

at IT Sligo, you can expect quality, flexibility and choice. We have a strong and highly motivated community of students studying online, by distance learning and on campus. Our student community is supportive, friendly and vibrant and we aim to replicate this student experience through our online community.

You will find we make innovative use of technology – podcasts and video podcasts that you can listen to or download in your own time. Many of our programmes combine online delivery with more conventional teaching methods such as classroom and distance learning. We have also recently established a Centre for Online Learning (COL) to further enhance the range of programmes and services that we offer in the online area.

Thank you for taking the time to review our programmes. If you do decide to

enrol at IT Sligo, you can be assured of a warm welcome and a supportive learning environment, whether you are studying on campus, online or by distance learning.

If you are unsure of your options or need advice on progressing your learning, please don't hesitate to contact one of our dedicated team members who will be more than happy to assist you.

We look forward to welcoming you to IT Sligo.

A handwritten signature in white ink that reads "Terri Scott". The signature is fluid and cursive, written on a dark blue background.

Professor Terri Scott
President
IT Sligo



Centre for Online Learning Members (L-R):
Brian Mulligan, Kieran Tobin, Gavin Clinch, Dr. Brendan McCormack, Registrar

Centre for Online Learning

IT Sligo has established a Centre for Online Learning (COL) to grow and develop this important area of modern teaching and learning. This is based on the belief that our existing educational system requires fundamental change in order to best provide for today's students whether they be full-time undergraduate students or part-time mature students. The overarching objective of the Centre is to develop online learning processes throughout the Institute and to drive growth in this area through corporate and international markets.

The members of the Centre for Online Learning are Gavin Clinch, Brian Mulligan and Kieran Tobin.

E: col@itsligo.ie

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For mobile access
 please scan code





Study at IT Sligo

At IT Sligo we offer you a wide range of study options over a number of interesting disciplines. Whichever programme of study you chose to undertake, you can be assured of high quality, flexibility and choice designed with your needs in mind.

In this prospectus you will find information on all of our part-time, online and distance learning programmes as well as details of how to apply, when to apply and what to consider in choosing the right programme for you.

Award Winning Programmes

IT Sligo won a Digital Media Award in 2011. We were also finalists in the Digital Media Awards and the Engineers Ireland Innovative Company of the Year Awards in 2009, recognising our leadership in online education in Ireland.

Why IT Sligo? Choice

“ I work full-time and am very happy in my job but I also wanted to return to education and better myself! IT Sligo gave me that opportunity with their fantastic range of part-time courses. Now, I have the best of both worlds! ”

Celene Kilgannon, Higher Certificate in Business



Choosing a Programme - What Should I Consider?

In selecting the right programme that best suits your needs and circumstances, there are a number of key questions you must consider:

What field of knowledge am I interested in studying?

There are three schools within IT Sligo each offering a wide range of programmes at different Levels in their respective disciplines. Select the discipline that interests you and view the range of programmes on offer.

1. Business and Humanities page 25
2. Engineering page 39
3. Science page 59

What mode of delivery suits me?

There are four main options for studying at IT Sligo

- Online Learning
- Distance Learning
- Classroom-based Learning
- Research Options at postgraduate Level

You will find the details of how each of the taught programmes are delivered in the programme descriptors. You should check that the mode of delivery of the programme you are interested in is suitable to your needs. Each of the modes of delivery is

explained on pages 12-14 plus you will find a list of programmes available by specific Level on pages 15-18. Research options at IT Sligo are outlined on page 77.

What Level of qualification am I eligible to apply for?

In each of the programme descriptors we have included the entry requirements for that programme which you must satisfy in order to be considered eligible for admission. The appropriate Level of entry for you will be determined by your prior qualifications and/or relevant work experience. Entry requirements, qualification Levels and recognition of prior learning are explained on pages 9 - 11.

ACCS – Accumulation of Credits and Certification of Subjects

This applies to students who are taking less than the full range of credits required for full-time students and, usually would be the mode in which part-time/OL students would accumulate credits leading to a full qualification. It is also possible for students to study on a part-time basis on full-time programmes in this mode. It should be noted that the effective academic entry requirements applying to full-time students will be applied and admission will be at the complete discretion of the Institute and subject to availability of places.

Why IT Sligo? Quality

“ It was a brilliant two years, I got great value out of the whole experience and it has really changed my profile within the industry. It gives credibility to any ideas, suggestions or input one has at cross-functional meetings etc. ”

Alan Fehily, BSc in Manufacturing Management



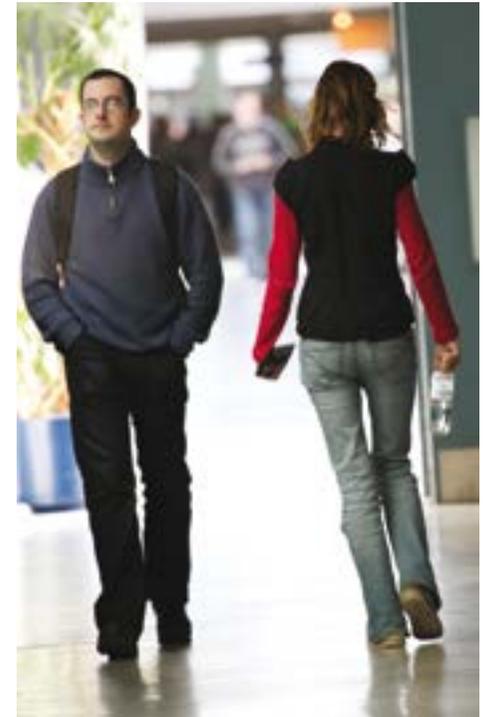
Making The Right Choice



Why IT Sligo? Challenging

“ From the point of view of a research student from overseas, it's been a pleasure conducting my doctoral research in The Centre for Biomolecular Environmental and Public Health Research at IT Sligo. The Institute is a knowledge and networking hub, providing students with not only cutting-edge start-of-art information but also sustainable sponsorship opportunities. IT Sligo can be an innovation incubator leading you from A to A+. ”

Hui-Wen Angel Cheng PhD candidate (Irish EPA STRIVE), BSc, MSc



If you have any further questions, please contact us and we will be very happy to assist you.

parttime@itsligo.ie

www.itsligo.ie

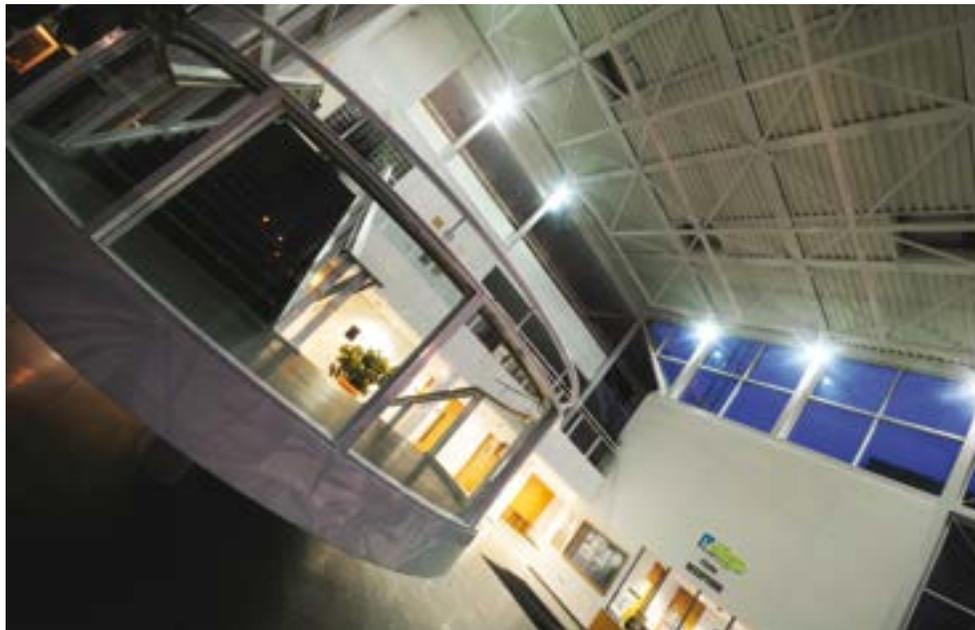
Entry Requirements

Qualification Levels, Entry Requirements and Recognition of Prior Learning Explained

National Framework of Qualifications

All of our programmes fit within the National Framework of Qualifications (NFQ), the official system of recognising qualifications in Ireland and across the EU. The framework classifies awards and qualifications in a system of 10 Levels. This allows you

to identify what options for study and progression may be available to you. The framework also allows employers and other colleges to understand and assess the standard of your qualifications. A summary of the awards on the National Framework of Qualifications is shown in the chart across. For further information on the Framework of Qualifications check out www.nfq.ie.



Entry Requirements



Entry Requirements and Progression

Everyone applying to IT Sligo must satisfy the entry requirements of the programme for which they are applying. The standard entry requirements typically state what Level of qualifications you must already have achieved before entering the programme. Typically the entry requirements of a programme will require you to have achieved a qualification (on the NFQ) at the Level just below the Level of the programme to which you are seeking admission.

For instance, if you are under 23 years, you must have a leaving certificate or equivalent for entry to a Level 6 higher certificate programme. If over 23 years, you are applying as a mature student and you will be assessed on the relevance of your experience and motivation.

The entry requirements for a Level 7 ordinary degree is a Level 6 higher certificate, for a Level 8 honours degree it is a Level 7 ordinary degree and so on up through the framework of qualifications. In this way the NFQ allows you to progress from one Level to the next in developing your qualifications.

At IT Sligo we offer taught programmes from Level 6 to Level 9 and research options at Level 9 and Level 10 within

the framework. We have included a table titled 'Classification of Programmes by Level' page 74 which gives the full list of programmes available at IT Sligo within each of the Levels in the framework.

What if I do not meet the standard entry requirements of the programme?

If you do not meet the entry requirements of a programme BUT do have substantial relevant practical experience then it may be possible to seek admission to the programme through IT Sligo's RPL process.

Recognition of Prior Learning (RPL)

Recognition of Prior Learning (RPL) is the recognition of knowledge, skill and competence gained either through formal education or through work experiences, informal training and/or life experiences.

Learning can be classified into two key areas:

- **Accredited learning** is learning that you have undertaken that has been accredited by a further/higher educational institution in Ireland or abroad.
- **Non-Accredited learning** includes

learning gained through work based learning/informal training and/or life experiences.

Who can use RPL?

RPL is open to everyone as a means of gaining entry to a programme of study or as a mechanism for gaining exemptions from modules within a programme of study that you are registered on. Typically those who seek RPL may include:

- Adults returning to higher education with relevant skills gained through work experience/in-house training/life experience and voluntary activities/professional memberships.
- People seeking admission to a programme of study on the basis of qualifications achieved abroad or outside the Irish education system.
- People seeking to build on their existing qualifications gained within the Irish educational system.

Can I use RPL to access programmes of study at IT Sligo?

You may use the RPL process to seek admission to a programme of study in two ways

1. By providing evidence of prior accredited

Entry Requirements

learning to satisfy the standard entry requirements of the programme.

- If you do not satisfy the standard entry requirements as stated in the programme details, it may be possible to seek admission to the programme of study on the basis of equivalent qualifications that you have achieved abroad and/or non-accredited learning that you have achieved through experience, in-house training, work based learning and/or voluntary activities, through our RPL policy.

Please note: Your prior learning, whether accredited or non-accredited, must be equivalent to the standard of learning as stated in the entry requirements of that programme. Applicants seeking admission to a programme of study with prior non-accredited learning are required to complete a portfolio of learning and/or other forms of assessment to assess their eligibility for that programme.

Does IT Sligo recognise qualifications from other countries?

The answer is yes. However, if you are seeking admission on the basis of relevant international qualifications you must contact Qualifications Recognition Ireland www.qualificationsrecognition.ie to have your qualifications translated and aligned

to the National Framework of Qualifications, if you have not already done so. This will be necessary in order to assess the equivalency of your prior learning to the entry requirements of the programme of study that you wish to undertake. This process should be carried out well in advance of the deadline for applications at IT Sligo so that your eligibility can be assessed in advance of the programme commencing.

Are there fees involved for RPL?

Yes. Applicants seeking RPL for the purposes of admission or exemptions will be required to pay an appropriate fee.

What is IT Sligo's policy on exemptions?

Students may seek exemptions from modules within programmes that they are registered on where:

- You have already successfully completed a similar module (in terms of Level and standard) as part of an accredited programme of study at IT Sligo or elsewhere. In making an application for exemption in this instance, you must provide a copy of your transcript of results, programme syllabus and module descriptor as evidence of your prior learning in support of your application.

- Where you can provide evidence that you have achieved a standard of learning equivalent to the learning outcomes of the module through experiential/work-based/informal learning. You will be required to develop a portfolio of your experiential learning in support of your application and may also be called for interview as part of the assessment process.

Deadline for receipt of RPL applications is **28th September** for modules delivered in semester one and **30th January** for modules delivered in semester 2.

Who do I contact for further information about RPL at IT Sligo?

School of Science
Deirdre Collery
E: collery.deirdre@itsligo.ie
Tel: 071 91 55342

School of Business and Humanities
Amanda Harrison
E: harrison.amanda@itsligo.ie
Tel: 071 91 55252

School of Engineering
Aoife Currid
E: currid.aoife@itsligo.ie
Tel: 071 91 55495



How are the Programmes Delivered?



All of our taught programmes are delivered through one or more of the following methods

- **Distance Learning**
- **Online Learning**
- **Classroom Based Learning**

On the sidebar of each of the programme descriptors you will see how that programme is delivered. You will find that many programmes use blended learning approaches in combining two or more of the delivery methods above. You should check that the delivery method of the programme you are interested in is suitable for you.

Below you will find details of what you can expect from each of the methods of programme delivery.

Research: IT Sligo's research options and application procedures are outlined on page 77.

Distance Learning



If you choose a programme delivered by distance learning you will be provided with programme materials rather than attending weekly lectures on campus. The materials may be in hard copy format or in electronic format and will be made available over the Internet.

Many distance learning programmes make use of the Internet to allow the lecturer to communicate with you to provide supports and study material. Perhaps more importantly this allows you and the other students to communicate and support each other also. You may be required to attend IT Sligo, or another centre from time to time to meet with lecturers, carry out practical work assignments, and again, very importantly, to meet your fellow students.

Distance Learning:

- **Practical visits to relevant sites, companies, facilities to observe industry best practice.**
- **Workshops and practical lab sessions on campus and with visiting lecturers.**
- **Online support provided by experienced lecturers at IT Sligo.**

Why IT Sligo? Helpful

“ **I live in Israel and I couldn't find another online course anywhere in the world that would allow me to study electronic engineering in the way that IT Sligo does. I was amazed at the opportunities that IT Sligo provides to students who want to study courses remotely. There's no doubt that IT Sligo has the edge on online learning and I would happily recommend the experience to anyone who wants to further their studies – no matter where in the world they are.** ”

Yoni Novick, BEng (Hons) Electronics (Level 8)

How are the Programmes Delivered?

Online Learning



Our commitment to making education more accessible led us into online learning in 2002 and we have since become the leader in Ireland in the use of technology in the delivery of distance education. Our online programmes replicate the traditional face-to-face classroom by web-casting live classes over the Internet. During an online lecture you can hear the lecturer and see the board and/or class material that they are working

on. Also, if you wish you can ask questions of the lecturer in real time.

All live lectures are recorded for those who may not be able to attend the lecture live. Therefore, if you have missed the live lecture, you can download the recorded version and listen to it in your own time. The recorded lectures are also a valuable revision resource.

In addition, each programme and module has its own web page where lecturers can post useful resources, students can submit assignments and get private feedback and where students can communicate with their lecturers and with each other. Some of the online programmes may require students to attend IT Sligo for a number of practical classes, usually three or four times per year.

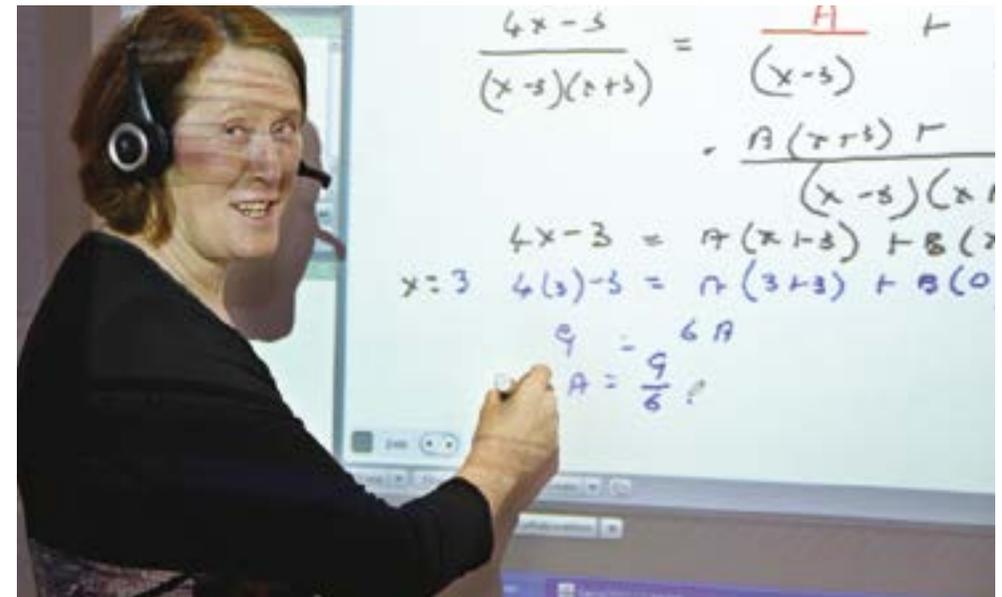
Online learning from IT Sligo has been very successful with high examination marks and good feedback from our students. We have enrolled students from many of the large multinational and SME companies in Ireland including the following: Intel, Coca-Cola, Boston Scientific, Abbott, Masonite, Eli Lilly, Janssen Biologics, Pfizer, and Merck, Sharp and Dohme (MSD).

For more information and frequently asked questions about online learning, why not visit our website at www.itsligo.ie/online

Why IT Sligo? Flexibility

“ **The online courses offered by IT Sligo are suitable for people who want a high quality and challenging qualification which offers flexibility to those who have to balance work, home-life and study.** ”

Barney McAleer, MSc in Quality



How are the Programmes Delivered?



Classroom-Based Learning



In addition to online and distance learning, many students choose to study in the traditional classroom environment on campus at IT Sligo. Classroom-based learning requires you to attend lectures twice or three times a week in the evenings. The advantages of the classroom-based programme is that you get to meet with your fellow classmates and the lecturers on a regular basis which can be useful in terms of getting feedback, doing group

work and also adding to the 'student experience'. Class times are student-focused allowing time for travel, work and family commitments. Classroom-based programmes are stimulating, interactive and allow for discussion and group work which enhances the learning experience of the student. Many of the programmes delivered in this way also use the Internet as a means of supporting students by providing class resources and materials online.

Classroom-based learning:

- **The IT Sligo student experience is second to none.**
- **A stimulating and supportive learning environment within a vibrant student community.**
- **Access to the library and other facilities on campus.**
- **The opportunity to work in groups with classmates and discuss your studies with your lecturers face to face.**

Why IT Sligo? Support

“ **I find that the way the course is structured is excellent, it fits around my own personal and working life very well. I am able to work for the qualification that I want in a way that suits me. The support and encouragement from the lecturers is amazing.** ”

Suzanne Spencer, BA in Early Childhood Care and Education

Classification of Programmes by Level

Level 6 - Higher Certificate	Delivery Mode	Page
Business Higher Certificate in Business	Classroom 	26
Computing Higher Certificate in Computing	Classroom & Online 	34
Humanities Higher Certificate in Arts in Advocacy Studies	Distance Learning 	31
Science Higher Certificate in Good Manufacturing Practice Higher Certificate in Science in Environmental Management	Distance Learning & Online  Distance Learning 	60 62



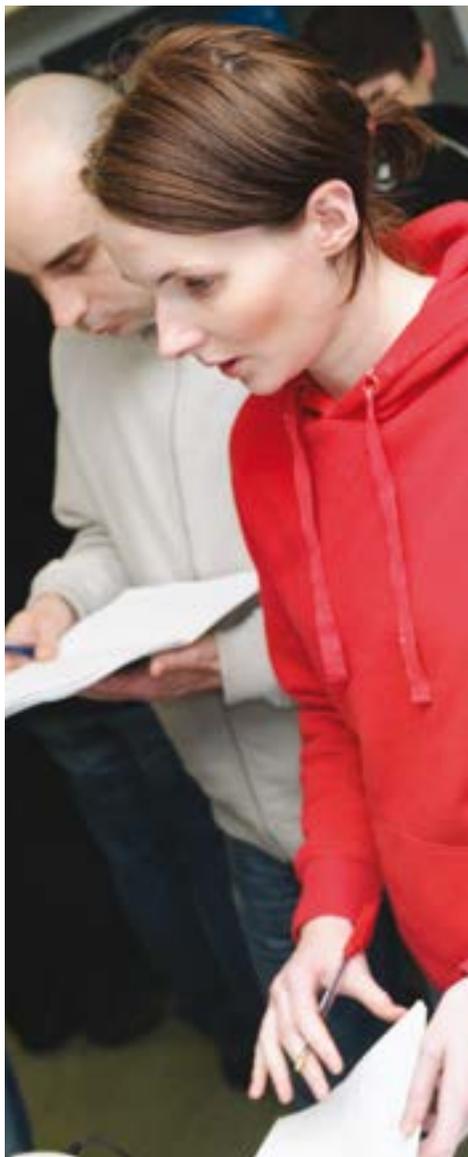


Level 7 - Ordinary Bachelor Degree		Delivery Mode	Page
Business B Business in Management Applications	Classroom		27
Humanities BA in Applied Social Studies	Classroom		32
Engineering BEng in Mechatronics BEng in Polymer Processing BEng in Electronic Engineering BSc in Construction Management BSc in Manufacturing Management BSc in Quality	Online Online Online Online Online Online		41 43 45 47 49 50
Science BSc in Environmental Management BSc in Pharmaceutical Science	Online Online & Distance Learning	 	62 64
Level 8 - Honours Bachelor Degree/Higher Diploma		Delivery Mode	Page
Business B Business (Hons)	Classroom		28
B Business (Hons) in Business Administration	Online & Distance		29

Level 8 - Honours Bachelor Degree/ Higher Diploma		Delivery Mode	Page
Humanities			
BA Hons in Early Childhood Care and Education		Classroom 	33
Science			
BSc (Hons) in Environmental Management		Online 	63
BSc (Hons) in Pharmaceutical Science		Distance Learning 	65
BSc (Hons) in Biopharmaceutical Science		Online 	66
Engineering			
BEng (Hons) in Mechatronics		Online	42
BEng (Hons) in Electronic Engineering		Online	46
BSc (Hons) in Construction Project Management		Online 	48
BSc (Hons) in Quality Management and Technology		Online	51
Higher Diploma in Science in Quality		Online	52

Level 9 – Postgraduate Diploma/Masters Degree		Delivery Mode	Page
Engineering			
MSc in Quality		Online	53
Postgraduate Diploma in Energy Management		Online 	54
MSc in Energy Management		Online	55





Level 9 – Postgraduate Diploma/Masters Degree		Delivery Mode	Page	
Business				
MSc in Marketing	Classroom		30	
Science				
Postgraduate Diploma in Biopharmaceutical Science	Online		67	
MSc in Biopharmaceutical Science	Online		68	
Postgraduate Diploma in Environmental Protection	Distance/Online		69	
MSc in Environmental Protection	Distance/Online		70	
Postgraduate Diploma in Science in Pharmaceutical Regulatory Affairs	Online		71	
MSc in Industrial Pharmaceutical Science	Distance Learning		72	
Minor Awards		Delivery Mode	Page	
Certificate in Automation and Instrumentation (Qualifier for Level 7 BEng in Mechatronics)		Online		40
Certificate in Engineering in Lean Sigma Quality (Six Sigma Green Belt)		Online		56
Professional Qualifications				
Cisco Certified Network Associate	Classroom & Online		35	
Cisco Certified Network Professional	Classroom & Online		36	
Qualifier Programmes				
Qualifier for BEng in Electronic Engineering	Online		44	

Why IT Sligo? An Employer's Perspective



Masonite International is one of the world's largest door manufacturing companies, headquarters in Tampa, Florida and with a global footprint. My role within the corporation, as head of function

is to underpin occupational health and safety as a cornerstone of our company Blueprint. As in any global organisation we have various Levels of safety understanding and performance ranging from excellent in North America and Western Europe to areas of opportunity, particularly in Central and Eastern Europe.

I was delighted to receive a proposal from our OHS and HR people in Ireland to work with IT Sligo to develop an International Safety Programme on behalf of Masonite. This innovative programme was developed from Masonite's OHS programme and best international practice. In addition the programme was to be delivered online across our European sites most in need of training and development. This was a most cost-effective solution to transfer knowledge from a centre of excellence directly into our manufacturing sites.

IT Sligo developed and executed the programme with great enthusiasm and professionalism. When the programme was completed, we surveyed our students to evaluate on a scale of



An IT Sligo lecturer delivering an online class.

1-5, 5 rating as "Excellent". The course rated at 4.7. which is very high indeed as it was delivered in English to a pan European audience. This high rating mirrored the comments we were hearing on the ground.

If further evidence of enthusiasm, innovation and lateral thinking was required, I must commend the Institute for making a virtue out of a necessity. Let me explain. Due to travel restrictions we decided not to fly the graduating students to Ireland for conferring. The Institute immediately adapted and arranged a "Virtual Graduation Ceremony", using video and web conferencing to allow all students "attend" their Graduation. This creative and innovative solution is a hallmark of IT Sligo. I commend the staff of the Institute and can recommend their services to business.



Jim Rabe, Vice-President Health and Safety, Masonite Corporation

Application Procedures, Fees and Facilities



David McGowan, professional rugby player with La Rochelle and IT Sligo Online Graduate.

Why IT Sligo? Accessibility

“ **Being in an insecure, high-risk job it was important for me to set a good base from which I can start a second career after rugby. I feel that I made a great decision when choosing to study at IT Sligo. The Online Learning facilities are fantastic and the staff have been extremely helpful with all my enquiries.** ”

David McGowan, BSc in Manufacturing Management

How do I apply for admission to a programme of study at IT Sligo?

You make your application online at www.itsligo.ie. All applications are made in this way. You can review the details of the specific programmes of interest and in turn make an application for the programme of your choice.

Once your application has been received at IT Sligo, you will be sent a confirmation email. Your application will be assigned to

one of the Online Learning Administrators who will review and make a decision on your application.

What is the deadline for making an application for a Programme

Friday 7th September is the deadline for receipt of all applications.

How and when do I pay my fees?

Once your application is approved you will be required to pay a booking fee of €200 (non-refundable) to secure your place on the programme. Once your booking fee has been received, you will receive details of how to register on the programme and pay the remainder of the fees. It is possible to pay your fees in staged payments.

For details on online payment methods please refer to our website www.itsligo.ie.

What if my employer agrees to pay my fees?

Where an employer is paying fees, a letter of undertaking from the employer should be submitted to IT Sligo as soon as you have been offered a place on the programme. Invoices will only be issued to employers when the letter of undertaking is provided.

Payment of the invoice must be received prior to commencement of the programme. In the event that invoices have not been paid, the student will be required to pay the fee and subsequently claim it back from their employer.

Can I claim tax relief on my fees?

If you fund tuition fees from your own income you may be eligible for tax relief on your fees.

Form IT 31, Tax Relief for Tuition Fees, can be downloaded from the revenue website www.revenue.ie or you can contact your local revenue office to get the form. It is important that you keep your receipt of fee payment for the purpose of claiming tax relief.

Can I get a refund if I withdraw from the programme?

Refund of Programme Fees will be issued only in the following circumstances.

- A full refund (less €200 non-refundable booking deposit) will be given if requested in writing before the commencement of programme.
- 70% refund of fees (less €200 non-refundable booking deposit) where a

Application Procedures, Fees and Facilities

student leaves within four weeks of programme commencement.

Refunds will only be processed on receipt of the original bank giro.

All programmes will run subject to sufficient numbers. Students having registered and paid programme fees will be refunded in full should the programme be cancelled. Refunds typically take one month to process.

All refund requests are to be submitted in writing to:

Online, Distance and Part-Time Administration,
Registrar's Department,
IT Sligo,
Ash Lane, Sligo

Do any of the programmes receive funding towards the cost of fees?

In the past, part funding has been made available by FÁS for certain programmes. While funding may have been available in the past, we cannot guarantee that funding will be made available in the future or continued to the end of a programme.

Springboard Initiative

A Government initiative called Springboard provides a number of free places on programmes in Higher Education Institutes. Students can search and apply for courses offered under Springboard on www.bluebrick.ie. Bluebrick.ie is a portal operated on behalf of the Higher Education system by Institutes of Technology, Ireland.

Garda Vetting Policy

A number of programmes especially in the area of Social Care and Early Childhood Care and Education require students to undertake placements that will assume positions of trust. IT Sligo will use the Garda Central Vetting Unit (GCVU) vetting service to assess the suitability of such applicants before placement is approved, and may also require applicants to provide an enhanced disclosure by completion of an affidavit.

Freedom of Information

IT Sligo is governed by the FOI Acts 1997 and 2003.

Further Information:

Freedom of Information Officer
IT Sligo
Tel: 353 71 91 55204
Email: foi@itsligo.ie (FOI requests only)

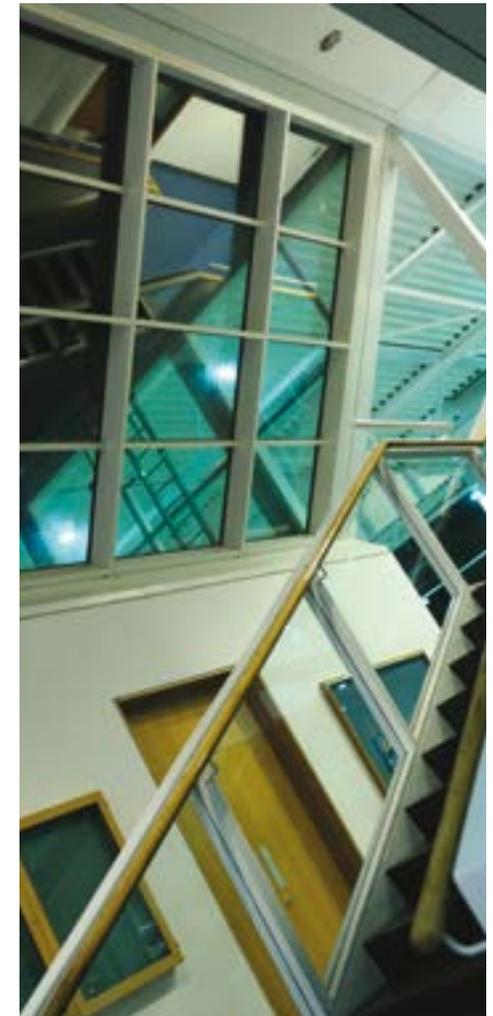
Yeats Library

Online and distance learning students may not be able to visit the Yeats library regularly and there are a number of services to assist them in accessing resources. These services are provided through the Yeats library web site at www.library.itsligo.ie.

They include postal loans, online databases of electronic books, journals and other publications, online past exam papers and an inter Yeats library loans service. The library has an online help desk to deal with requests for postal loans and queries regarding library passwords and other issues.

An important first task for online and distance-learners is to set up a library password, which is necessary to access many of the resources on the site. Groups of distance learners usually come to campus at least once for programme induction and to obtain an ID card. This opportunity is also used for an introductory talk on the library facilities and resources.

Students are provided with a pack containing an outline of services available and introductory material on relevant online databases for their programme. The aim of the Library is to ensure that online and



Application Procedures, Fees and Facilities



distance learners, who may rarely come to campus, can benefit from the wide range of library resources and services available.

Library Opening Hours:

Monday - Thursday: 9.00am – 9.00pm
Friday: 9.00am – 5.00pm
Saturday: 10.00am – 2.00pm

Student ID Card

Once registered, students may apply for a Student ID card through the Library Services which is issued at the library desk. Please note that your Student ID card is required when borrowing books from the Library. Student ID cards are also required for admission to all examinations. The issuing of an ID card requires attendance at the Institute Library in order to have your photograph taken.



Banking Facilities

Bank of Ireland operates a full on-campus banking service.

ATM also available on Campus.

Tel: 071 91 43373

Canteen Facilities

Canteen facilities are available on campus

Monday to Friday: 8.30am - 7pm

Shop

Monday – Thursday: 10am – 9pm

Friday: 10am – 12.30pm

Language Classes

We offer a range of language classes in French, Spanish, German and Italian.

Beginners French:

This course is designed for those who have no previous knowledge of the language and wish to learn to communicate in everyday situations i.e. meeting/greeting people, finding your way around, eating out, booking accommodation, asking for information.

Post- Beginners French:

This course is designed for those who have completed the Beginners French or who wish to refresh their basic knowledge of French. It will reinforce and further develop vocabulary and structures encountered at Beginners French, strengthen oral and aural skills, develop reading and writing skills. There will be a strong cultural dimension to the course.

Intermediate/Advanced French:

This course is intended for those who have a good conversational Level in French, or have completed post-beginners French. The aim of this course is to develop fluency and confidence in the use of the language by using authentic material i.e. newspapers, magazines, Internet/web sites, films, etc and increase cultural knowledge.

Beginners Spanish:

This course is designed for those who have no previous knowledge of the language and wish to learn to communicate in everyday situations i.e. meeting/greeting people, finding your way around, eating out, booking accommodation, asking for information.

Post- Beginners Spanish:

This course is designed for those who have completed the Beginners Spanish or who wish to refresh their basic knowledge of Spanish. It will reinforce and further develop vocabulary and structures encountered at Beginners Spanish, strengthen oral and aural skills, develop reading and writing skills. There will be a strong cultural dimension to the course.

Beginners German:

This course is designed for those who have no previous knowledge of the language and wish to learn to communicate in everyday situations i.e. meeting/greeting people, finding your way around, eating out, booking accommodation, asking for information.

Beginners Italian:

This course is designed for those who have no previous knowledge of the language and wish to learn to communicate in everyday situations i.e. meeting/greeting people, finding your way around, eating out, booking accommodation, asking for information.



All classes run for 20 weeks, one evening per week and last for two hours.

For further details visit: www.itsligo.ie



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School of Business and Humanities

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at a glance

programme code

SG_BBUSO_C06

award

Level 6

duration

2 years

fees

€350 per 10 credit module

€175 per 5 credit module

€2,100 per year

application deadline

7 September 2012

delivery



Classroom

Mon and Wed
7.00 – 10.00pm

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Business and Marketing

Higher Certificate in Business

Programme Code: SG_BBUSO_C06

About the Higher Certificate in Business

This programme provides a qualification in general business and opens a range of job opportunities in the public and private sectors, as well as providing a foundation for people interested in running their own business or advancing to further study.

About this Programme

The programme is currently undergoing a programmatic review and the module mix is subject to change and the credit weighting for some modules may change. The programme duration is likely to be 2 years.

First Year:

- Introduction to management accounting
- Organisational behaviour
- Intermediate/advanced business technology
- Personal effectiveness
- Business mathematics
- Introduction to economics

Second Year:

- Marketing research and customer care
- Introduction to management/marketing
- Business management
- Introduction to financial accounting
- Law
- Introduction to business technology

After you Graduate

On successful completion graduates can further their education by participating on a range of degree and honours degree business programmes available at IT Sligo.

Entry Requirements

Applicants under 23 must have 5 subjects in Leaving Certificate at grade D (including maths and english). Applicants over 23 will be considered on prior relevant experience and/or motivation for undertaking the programme.



Business and Marketing

Bachelor of Business in Management Applications

Programme Code: SG_BMAPP_J07

About Business Management Applications

This programme is aimed at those working in or considering a career in business. The programme builds on the learning obtained in the Higher Certificate in Business (Level 6 NFQ) and focuses on the practical skills and knowledge required to enhance performance in a business environment.

About this Programme

This programme covers the following business functions:

- Human resource management
- Computer applications
- Accounting and finance
- Economics
- Business management

Semester 1:

- Accounting and finance (10)
- Information technology for managers (5)
- Research methods seminars (5)
- Human resource management (10)

Semester 2:

- Computer applications for managers (5)
- Dissertation (5)

- Economics systems (10)
- Management (10)

The programme is currently undergoing a programmatic review and the module mix is subject to change.

After you Graduate

Typically, graduates with a Bachelor of Business in Management Applications can enhance their career prospects in middle management positions both in private and public sector. The programme is also an ideal stepping-stone to further Level 8 qualifications in business and business administration that are also available at IT Sligo.

Entry Requirements

Higher Certificate (previously called National Certificate) in Business (or equivalent). Applicants with other qualifications and/or with significant relevant experience will also be considered through IT Sligo's RPL process.

at a glance

programme code

SG_BMAPP_J07

award

Level 7

duration

1 year

fees

€210 per 5 credit module
 €420 per 10 credit module
 €2,250 per year

application deadline

7 September 2012

delivery



Classroom

Mon, Wed and Thurs
 7.00pm – 10.00pm.

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_BBUSI_K08

award

Level 8

duration

2 years

fees

€250 per 5 credit module
€500 per 10 credit module
€1,500 per year

application deadline

7 September 2012

delivery



Classroom

Mon and Wed
7.00 – 10.00pm

for further information

T: 071 91 55222
W: www.itsligo.ie
E: parttime@itsligo.ie

Business and Marketing

Bachelor of Business (Hons)

Programme Code: SG_BBUSI_K08

About the Bachelor of Business

This is a specialised Honours Degree programme with a heavy emphasis on the academic aspects of business modules. It is aimed at business professionals who wish to formalise their learning with a national Honours Degree qualification.

About this Programme

The programme is divided into six modules over two years.

First Year:

- Human resource management
- Marketing planning
- Services marketing management

Second Year:

- Macroeconomic studies
- Strategic management
- Business finance

The programme is currently undergoing a programmatic review and the module mix is subject to change and some modules may be 5 Credits.

After you Graduate

Typically, graduates with an Honours Degree in business can enhance their career prospects in middle and senior management positions both in both the private and public sectors.

Entry Requirements

Ordinary Degree (Previously called National Diploma) in business (Level 7 NFQ). Applicants with other qualifications and/or with significant relevant experience may also be considered through IT Sligo's RPL process.

Business and Marketing

Bachelor of Business (Hons) in Business Administration

Programme Code: SG_BBUSI_K08

About Business Administration

Formerly known as BA Hons in Information Systems, the programme was designed in consultation with the business community and therefore reflects the skills and competencies required by businesses today.

About this Programme

The following is the structure of this programme which comprises mandatory and elective modules. Please check out the website for further details:

- Strategy
- Finance
- Digital marketing
- Supervisory management
- Entrepreneurship
- E-business and innovation
- Information technology management
- Macroeconomics
- Sales management
- German Year 4
- Spanish Year 4
- Italian Year 4
- French Year 4

After you Graduate

Typically, graduates with an Honours Degree in Business Administration can enhance their career prospects in middle and senior management positions both in the private and public sectors.

Entry Requirements

Ordinary Degree (previously called National Diploma) in Business or Information Systems (Level 7 NFQ). Applicants with other qualifications and/or with significant relevant experience may also be considered for admission through IT Sligo's RPL process.



at a glance

programme code

SG_BBUSI_K08

award

Level 8

duration

2 years

fees

€300 per 5 credit module
 €600 per 10 credit module
 €1,800 per year

application deadline

7 September 2012

delivery



Online



Distance

Will require attendance at some workshops during the year.

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_BMARK_M09

award

Level 9

duration

1 year full-time

fees

€500 per 5 credit module
€1,000 per 10 credit module
€6,000 per year

application deadline

7 September 2012

delivery



Classroom

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Business and Marketing

MSc in Marketing

Programme Code: SG_BMARK_M09

About the MSc Marketing

This programme is designed to prepare participants for a career as a marketing professional by developing their capacity to provide marketing insight and thought leadership. It is also attractive to existing marketing professionals who wish to up-skill and gain awareness in emerging marketing trends.

About this Programme

The MSc in Marketing equips students with the essential knowledge, skills and competencies to provide strategic leadership within any organisation. The programme includes a range of specialist marketing and business related modules including brand management, sales and sales practice, digital media marketing, service innovation and leadership, marketing ethics, entrepreneurship and financial analysis.

In order to gain the award of MSc in Marketing, students must complete a dissertation on a marketing-related topic.

After you Graduate

This programme prepares participants for a career in marketing at senior executive or managerial Level in the public and/or private sector.

Entry Requirements

A Level 8 Honours Degree (2.2) or equivalent professional qualification in a business related area or Higher Diploma

in Business (Level 8) with a minimum of three specialist marketing modules at Level 7 and/or 8.

Applicants who do not have a relevant Level 8 qualification may be considered for admission where they have minimum of seven years relevant business/marketing experience through IT Sligo's RPL process.

Delivery

This is a full-time day programme, however candidates may select modules to complete at their own pace and therefore have the additional flexibility to commence the programme in September or January.

Twilight teaching (evening schedule) affords participants the opportunity to combine postgraduate study with work/family commitments.



Higher Certificate in Arts in Advocacy Studies

Programme Code: SG_HADVO_C06

About Advocacy

Advocacy can be defined as 'a process of empowerment' which in a practical sense involves representing others in areas where they require support or representing persons who cannot represent themselves.

About this Programme

Designed in consultation with the Citizens' Information Board, the programme offers a broad range of practical skills and core knowledge underpinning effective advocacy practice.

The programme is divided into 12 modules that are delivered over four semesters:

Semester 1:

- Introduction to advocacy
- Equality studies
- Communications 1

Semester 2:

- Principles of law
- Disability studies
- Information management

Semester 3:

- Advocacy 2
- Law 2
- Advocacy project/placement

Semester 4:

- Ethics
- Communications 2
- Social administration

The programme may be completed over two years, or a longer period of time.

After you Graduate

Graduates of this programme have typically developed/progressed careers as advocates/information providers within various statutory and voluntary organisations. Graduates are also well placed in occupying positions in social policy development and lobbying as well as personal advocate positions for people with special needs.

Entry Requirements

Applicants under 23 years require Leaving Certificate (5 Grade Ds) or equivalent. Applicants over 23 must have effective verbal and written communication skills and will be assessed on their suitability for the programme based on relevant experiences and motivation. Those involved in advocacy or information providers' roles will be given preference where demand exceeds the number of places available.

at a glance

programme code

SG_HADVO_C06

award

Level 6

duration

2 years

fees

€350 per module

€2,100 per year

application deadline

7 September 2012

delivery



Distance: Distance learning will be supplemented by classroom based tutorials that are delivered one Saturday a month (9.30am – 4.30pm) in each of the centres. It is planned to deliver the programme in Sligo and Dublin centres subject to sufficient numbers registering for the programme.

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_HSOCS_B07

award

Level 7

duration

4 years

fees

Year 1 €1,800

Year 2 €1,800

Year 3 €2,400

Year 4 €2,400

application deadline

7 September 2012

delivery



Classroom

Mon and Wed, 6.00/7.00pm – 10.00pm.

Attendance at a number of Sat workshops will also be necessary (10.00am – 5.00pm).

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Humanities

BA in Applied Social Studies

Programme Code: SG_HSOCS_B07

About Applied Social Studies

This programme is aimed at those who are currently working in or wish to develop careers in the social care sector and allied fields. The programme is officially recognised by all major social care sector employers including the Health Service Executive (HSE).

About this Programme

The programme is composed of an exciting collection of applied social scientific modules including:

- Professional studies
- Psychology
- Sociology
- Law
- Policy studies (social, political and economic issues)
- Creative studies (art and drama)
- Communicative studies
- Computing and personal development.

Placement:

Students will also undertake two supervised work placements (13 weeks or equivalent) during the course of the programme.

After you Graduate

Graduates of the programme have secured employment with a range of statutory and voluntary organisations in the social care sector. Graduates of the programme may be considered

for admission to the BA (Hons) in Applied Social Care (Level 8) programme at IT Sligo or other institutions.

Entry Requirements

Applicants under 23 years require Leaving Certificate (5 Grade Ds) or equivalent. Applicants over 23 must have effective verbal and written communication skills and will be assessed on their suitability for the programme based on appropriate personal and intellectual qualities to train as a social care professional.

Applicants may also be required to take part in an interview and all applicants will be required to undergo a Garda vetting process.



BA (Hons) in Early Childhood Care and Education

Programme Code: SG_HEARL_H08

About Early Childhood Care and Education

Early Childhood Care and Education (ECCE) draws on expertise from a wide range of areas including the creative arts, psychology, law, health promotion and early childhood education. The programme has been designed in adherence with the Model Framework for Education Training and Professional Development in the early childhood care and education sector.

About this Programme

Students will graduate from this programme with a theoretical and practical understanding of the issues relevant to the study of children and children's lives. The core areas of study include:

- Early childhood studies
- Child psychology
- Sociology
- Creative studies
- Art and drama
- Communication studies
- Computer applications
- Working with children with special needs

Placement:

Students must also undertake two supervised work placements in a suitable childcare setting each for a period of 13 weeks (390 hours) during the course of the programme.

Students currently working in a suitable childcare setting or with significant experience of working in a suitable childcare setting may seek an RPL process for the placement module in accordance with IT Sligo's RPL policy. All students will be required to have Garda clearance for placements.

After you Graduate

This qualification will assist graduates in pursuing careers in the early childhood care and education sector both private and public and in gaining access to postgraduate educational and research programmes.

Entry Requirements

Applicants under 23 years require Leaving Certificate (5 Grade Ds) or equivalent.

Applicants over 23 are required to have a good standard of education with effective written and verbal communication skills. Applicants will be assessed on their suitability for the programme based on appropriate personal and intellectual qualities to train as a childcare professional.

Applicants who have prior qualifications in childcare may be considered for exemptions in accordance with IT Sligo's RPL policy.

at a glance

programme code

SG_HEARL_H08

award

Level 8 [Note that students can exit after four years with a Level 7 award]

duration

6 years

fees

Year 1 €2,400

Year 2 €3,000

Year 3 €3,000

Year 4 €2,400

Year 5 €1,200

application deadline

7 September 2012

delivery



Classroom

Mon and Wed 7.00pm – 10.00pm. Students will also be required to attend a number of Saturday workshops per year from 10.00am – 5.00pm.

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_KCOMP_C06

award

Level 6

duration

2 years

fees

€175 per 5 credit module

€350 per 10 credit module

€2,100 per year

application deadline

7 September 2012

delivery



Online



Classroom

Mon and Wed
6.00 – 10.00pm

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Computing

Higher Certificate in Computing

Programme Code: SG_KCOMP_C06

About the Higher Certificate in Computing

This programme is designed for students who wish to pursue a career in mainstream computing. The programme has a strong emphasis on the technology of computing, networking and computer programming skills.

About this Programme

The programme is currently undergoing a programmatic review and the module mix is subject to change and the credit weighting for some modules may change.

The modules are as follows:

First Year:

Semester 1:

- Introduction to programming
- Introduction to database management
- Web design and development

Semester 2:

- Windows programming 1
- Web programming 1
- Database development 1

Second Year:

Semester 1:

- Computer systems and networking 1
- Project management
- Mathematics 1

Semester 2:

- Networking 1
- Telecommunications 1
- Server management 1

After you Graduate

On successful completion of the programme graduates can progress to a Level 7 Ordinary Degree in Computing.

Entry Requirements

A Level of computer competence is required to participate in this programme. Applicants may be asked to attend for interview and undertake an aptitude test to determine their suitability for the programme.

Computing

Cisco Certified Network Associate (CCNA)

Programme Code: SG_CISCO_PT

About This Programme

This programme emphasises theoretical concepts and practical application, while providing opportunities for students to gain the skills and hands-on experience needed to design, install, operate, and maintain networks in small-to-medium businesses, as well as enterprise and service provider environments.

The CCNA programme includes complex and challenging hands-on labs to help students develop critical thinking, problem solving, and collaboration skills, as well as practical knowledge.

The programme is composed of four modules:

- Network fundamentals
- Routing protocols and concepts

- LAN switching and wireless
- Accessing the WAN

After you Graduate

On successful completion graduates qualify with an industry-recognised qualification that will enhance progression within the sector. Graduates are also eligible to apply for the Cisco Certified Network Professional programme available at IT Sligo.

Entry Requirements

A Level of computer competence is required to participate in this programme. Applicants may be asked to attend for interview and undertake an aptitude test to determine their suitability for the programme.



at a glance

programme code

SG_CISCO_PT

award

Professional Award

duration

36 weeks over 1 year

fees

€550 per module

€2200 per year

application deadline

7 September 2012

delivery



Online



Classroom

for further information

T: 071 91 55222

W: www.itsligo.ie or www.cisco.com

E: parttime@itsligo.ie

at a glance

programme code

SG_CISCOP_PT

award

Professional Award

duration

48 weeks over 2 years

fees

€1,000 per module

€2,000 per year

application deadline

7 September 2012

delivery



Online



Classroom

for further information

T: 071 91 55222

W: www.itsligo.ie or www.cisco.com

E: parttime@itsligo.ie

Computing

Cisco Certified Network Professional (CCNP)

Programme Code: SG_CISCOP_PT

About this Programme

The CCNP curriculum builds on Cisco CCNA programmes with more complex network configurations, diagnosis, and troubleshooting. The curriculum is intended for those interested in continuing their post-CCNA preparation to become network administrators, Level 2 support engineers, Level 2 systems engineers, network technicians, or deployment engineers.

The Cisco Certified Network Professional (CCNP) curriculum includes four modules, which align with the four exams required for CCNP certification.

The four modules are as follows:

- Building scalable networks
- Implementing secure converged wide-area networks
- Building multi-layer switched networks
- Optimising converged networks

Exams will be held in an Independent Cisco Testing Centre.

After you Graduate

On successful completion graduates qualify with an industry-recognised qualification that enhances career progression within the sector.

Entry Requirements

Students interested in this programme should have completed Cisco Certified Network Associate (CCNA) 1-4, or the equivalent.



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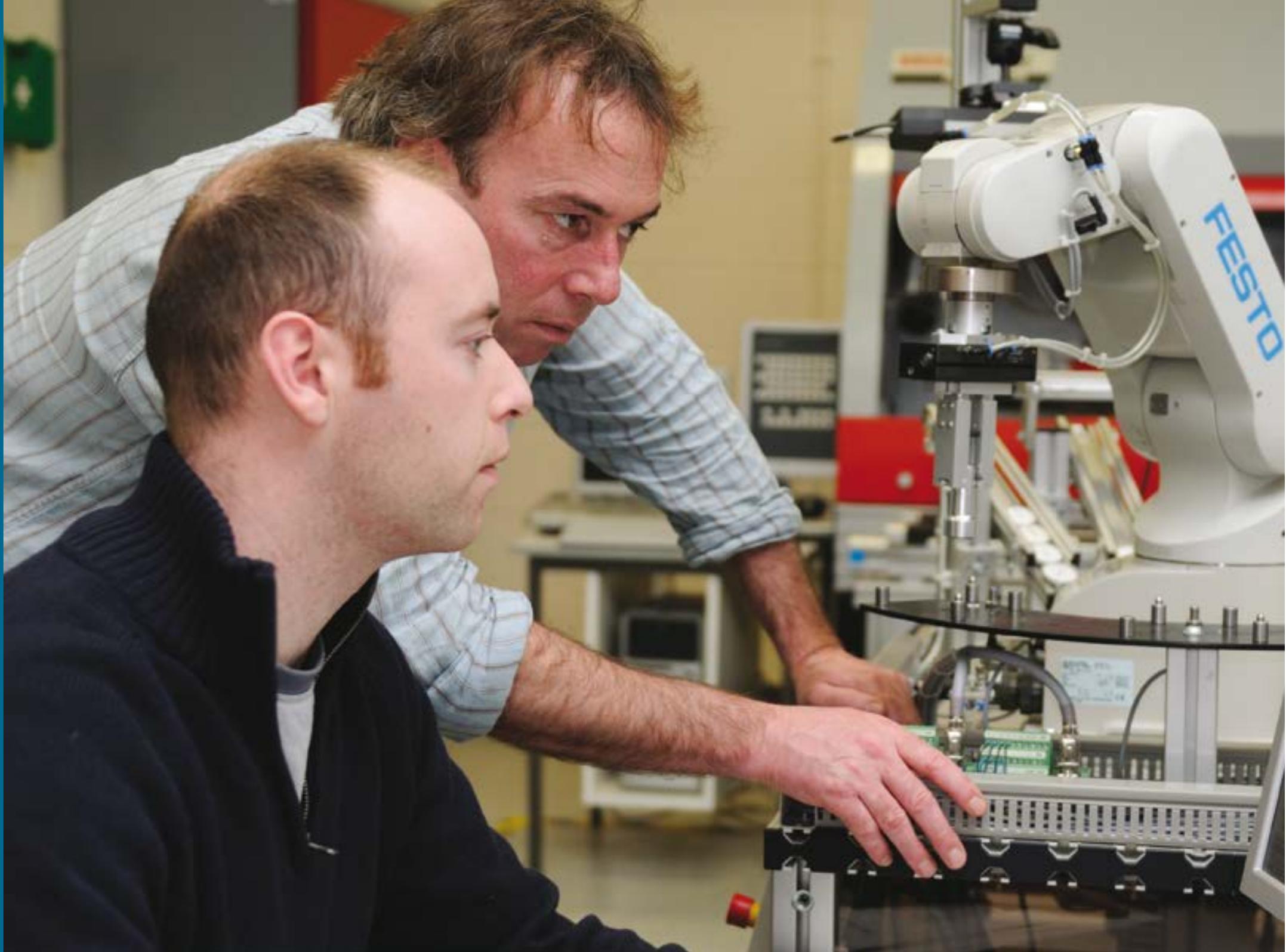
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School of Engineering

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at a glance

programme code

SG_EAUTO_N06

award

Level 6

duration

1 year

fees

€375 per 5 credit module

€750 per 10 credit module

€2,500 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

Certificate in Automation and Instrumentation

Formerly known as the Qualifier for Mechatronics (Level 7).

Programme Code: SG_EAUTO_N06

About Automation and Instrumentation

Automation and Instrumentation (Mechatronics) is a combination of mechanical, electronic and software engineering. The purpose of this field is the study of automation from an engineering perspective and serves the purposes of controlling advanced hybrid systems.

About this Programme

Modules with credits awarded are as follows:

- Instrumentation (10)
- CIM and automation technology (10)
- Mathematics (10)
- Programming, communications and interfacing (5)

After you Graduate

Upon successful completion of this course, graduates will be eligible for access onto the Level 7 BEng in Mechatronics.

Entry Requirements

These modules are aimed at people who have significant work experience but who do not have the required sufficient academic qualifications for entry into Level 7 programmes (ordinary degree). All may be taken in one academic year.



BEng in Mechatronics

Programme Code: SG_EMECT_J07

About Mechatronics

Mechatronics is a combination of mechanical, electronic and software engineering. The purpose of this field is the study of automation from an engineering perspective and serves the purposes of controlling advanced hybrid systems.

About this Programme

Graduates with a good grounding and understanding in this field can look to a bright and challenging career. In an era where it is necessary for manufacturing industry to be located in less expensive environments, the advanced technical communication techniques and skilled workforce created with this Level 7 programme would allow such manufacturing industry to be controlled in Ireland, keeping the high skilled jobs in Ireland despite the migration of unskilled jobs to other countries.

The modules (with credits awarded) are as follows:

First Year:

- Advanced manufacturing technology (5)
- CIM and automation technology (5)
- Project management (5)
- Quality management systems (5)
- SCADA (5)

Second Year:

- Control systems (10)
- Data communications and interfacing (10)
- Mathematics (5)
- Mechatronics project (10)

Note:

- The Mathematics Module (Level 7) is offered on Year 2 of the programme
- For candidates who do not have the required Level 6 Mathematics, a course in Level 6 Mathematics is available in Year 1.
- The Level 6 Mathematics examinations take place annually (in May or August)

Entry Requirements

Level 6 on the NFQ (Higher Certificate – formerly National Certificate) qualification in relevant discipline or equivalent. Holders of National Craft Certificate or Advanced Craft Certificate in an appropriate discipline and with adequate relevant industrial experience may also qualify for entry to the course. For those who do not have the required equivalent qualifications a qualifier programme is available.



at a glance

programme code

SG_EMECT_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module
€1,200 per 10 credit module
€3,400 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_EMECT_K08

award

Level 8

duration

2 years

fees

€800 per 5 credit module
€1,600 per 10 credit module
€2,400 per 15 credit module
€4,450 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

BEng (Hons) in Mechatronics

Programme Code: SG_EMECT_K08

About Mechatronics

Mechatronics is a highly skilled discipline that combines mechanical, electronic and software engineering. It involves the study of automation from an engineering perspective and serves the purposes of controlling advanced hybrid systems in business and industry.

About this Programme

Mechatronics is a combination of mechanical, electronic and software engineering. The purpose of this field is the study of automation from an engineering perspective and serves the purposes of controlling advanced hybrid systems. Graduates with a good grounding and understanding in this field can look to a bright and challenging career.

In an era where it is necessary for manufacturing industry to be located in less expensive environments, the advanced technical communication techniques and skilled workforce created with this Level 8 programme would allow such manufacturing industry to be controlled in Ireland, keeping the high skilled jobs in Ireland despite the migration of unskilled jobs to other countries.

The modules (with credits awarded) are as follows:

First Year:

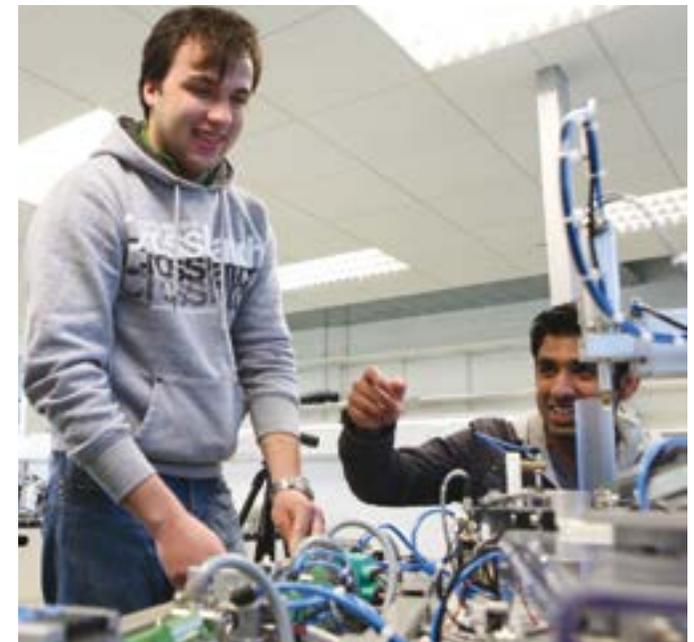
- Industrial networks (10)
- Energy and utilities management (5)
- Mathematics (5)
- Operations management (5)

Second Year:

- Control systems, analysis and design (10)
- Power electronics and drives (10)
- Project mechatronics (15)

Entry Requirements

Level 7 on the NFQ (formerly National Diploma) qualification in relevant discipline or equivalent.



BEng in Polymer Processing

Programme Code: SG_EPOLY_J07

About Polymer Processing

Use of polymers for a variety of engineering, medical-device, pharmaceutical and general consumer applications continues to grow. Polymer processing focuses on the materials, processes, and tooling used in relation to polymers.

About this Programme

This programme was developed jointly by IT Sligo and Athlone IT, and leads to a joint award by both Institutes. In this programme participants learn the characteristics of various polymers, the common polymer processes (including injection moulding, blow moulding and extrusion) and factors in the design of tooling for these processes. The course also presents modules that are relevant to automated production (such as CIM and automation technology and energy and utilities management) and management modules relating to Six Sigma methodology.

The modules (with credits awarded) are as follows:

- Computer-aided design and modelling (5)
- CIM and automation technology (10)
- Energy and utilities management (5)
- Mathematics (See Footnote below) (5)
- Medical device manufacturing (5)

Footnote

- The Mathematics Module (Level 7) is offered on Year 2 of the programme.
- For candidates who do not have the required Level 6 Mathematics, a course in Level 6 Mathematics is available in Year 1.
- The Level 6 Mathematics examinations take place annually (in May or August).

- Polymer materials (5)
- Polymer processing (5)
- Polymer tooling - design and manufacturing techniques (5)
- Six Sigma 1 – quality tools (5)
- Six Sigma 2 – statistical control (5)
- Project (Six Sigma project or research project) (5)

After you Graduate

Typically, graduates will be employed in polymer processing in the engineering, medical device or pharmaceutical sectors. Successful graduates from this programme may apply for the Honours Degree (Level 8) in Mechatronics or the BSc (Hons) in Quality Management and Technology, which are offered online by IT Sligo, or for related programmes from other providers. Development of a Level 8 programme in Polymer Processing is also under consideration by the two Institutes.

Entry Requirements

Higher Certificate NFQ Level 6 (Previously called National Cert) in a relevant discipline or Advanced Craft Certificate, or equivalent. Candidates holding other qualifications and/or with relevant experience will also be considered through an RPL 'Recognition of Prior Learning' process.

at a glance

programme code

SG_EPOLY_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module
€1,200 per 10 credit module
€3,400 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

N/A

award

Level 6

duration

1 year

fees

€2,000 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55258

W: www.itsligo.ie

E: henry.fergal@itsligo.ie

Engineering

Qualifier Modules for Entry to Level 7 Electronic Engineering

Programme Code: N/A.

About Electronics

Modern electronic engineering systems are often referred to as embedded systems and these are the main focus of electronic engineering at IT Sligo. Embedded systems combine hardware (electronic circuits) and software (computer programs) together into products such as mobile phones, MP3 Players, computer network routers, aircraft guidance systems and automobile engine management systems.

About this Programme

Modules (credits awarded):

- Instrumentation (10)
- Embedded hardware (10)
- Mathematics (10)
- Embedded programming (10)

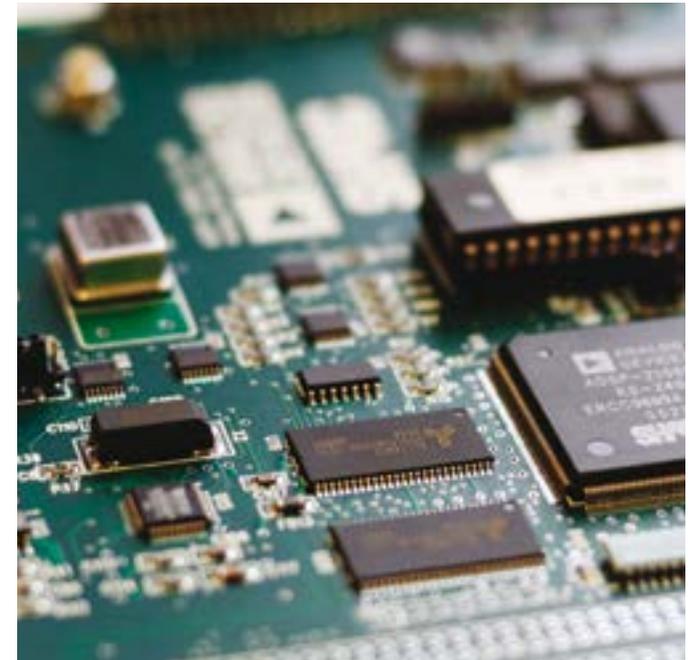
After you Graduate

Upon successful completion of this course, graduates will be eligible for access onto the Level 7 BEng in Electronic Engineering.

Entry Requirements

These modules are aimed at people who have significant

work experience but who do not have the required sufficient academic qualifications for entry into Level 7 Electronics (ordinary degree). All of the modules may be taken in one academic year.



BEng in Electronic Engineering

Programme Code: SG_EELEC_J07

About Electronic Engineering

Modern electronic engineering systems are often referred to as embedded systems and these systems are the main focus of Electronic Engineering in IT Sligo. Embedded systems combine hardware (electronic circuits), software (computer programs) together into products such as mobile phones, MP3 Players, computer network routers, aircraft guidance systems and automobile engine management systems.

About this Programme

This is year 3 (the award year) of the Level 7 BEng in Electronic Engineering. The modules (with credits awarded) are:

First Year:

- Data communications (5)
- Digital signal processing (10)
- Embedded systems (10)
- Mathematics (5)

Second Year:

- Project – electronic engineering (15)
- Project management (5)
- Quality management systems (5)
- System integration and test (5)

Having completed the programme, you will be able to:

- Implement serial communications protocols on an 8-bit microcontroller.
- Use software tools for digital signal processing.
- Write embedded code for an 8-bit microcontroller.

- Complete an embedded systems project with an 8-bit core.
- Design, integrate and test an embedded system.

After you Graduate

This course allows students to pursue a career at associate engineering Level anywhere in the electronics, software or manufacturing industry.

Entry Requirements

Merit Grade at Level 6 (Higher Cert) in Electronic Engineering or related discipline. Applicants who have successfully completed the Qualifiers in Electronic Engineering are also eligible. Applicants with other qualifications and/or with relevant industrial experience will also be considered through IT Sligo's RPL process.



at a glance

programme code

SG_EELEC_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module
€1,200 per 10 credit module
€3,400 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55258

W: www.itsligo.ie

E: henry.fergal@itsligo.ie

at a glance

programme code

SG_EELEC_K08

award

Level 8

duration

2 years

fees

€800 per 5 credit module
€1,600 per 10 credit module
€4,450 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55258

W: www.itsligo.ie

E: mullery.sean@itsligo.ie

Engineering

BEng (Hons) in Electronic Engineering

Programme Code: SG_EELEC_K08

About Electronic Engineering

Electronic Engineering at Level 8 investigates platforms for implementing advanced embedded systems. Typical platforms are 32-bit RISC processors, DSP's, FPGA's and configurable systems on chip technology. These platforms may also incorporate the use of a real time operating system (RTOS). Application areas such as audio and image processing are also covered.

About this Programme

This programme is an add-on year to any Level 7 Bachelor of Engineering Degree in Electronic Engineering.

The modules (with credits awarded) are:

First Year:

- Digital signal processing (10)
- Nanotechnology and electronics (5)
- Operating systems programming (10)
- Mathematics (5)

Second Year:

- Advanced embedded systems (10)
- Operations management (5)
- Programmable logic technology (5)
- Project – electronic engineering (10)

Having completed the programme, you will be able to:

- Program a 32-bit RISC microcontroller and interface it to the real world.

- Use software and hardware tools to process signals digitally.
- Program and configure operating systems.
- Program field programmable gate arrays (FPGAs).
- Complete an advanced embedded systems project.
- Research current applications and future possibilities for nanotechnology in electronic engineering.

After you Graduate

Career opportunities exist in software engineering, hardware design engineering and research and development.

Entry Requirements

Merit Grade at Level 7 (Ordinary Degree) in Electronic Engineering or related discipline. Applicants with other qualifications and/or with relevant industrial experience will also be considered through IT Sligo's RPL process.



BSc in Construction Management

Programme Code: SG_CCONO_J07

About Construction Management

Construction management is a professional field that focuses on each part of the construction process of any built environment. It typically encompasses commercial building sites or multi-unit residential sites. Construction Management of the site may be maintained by a general contractor or a separate entity, and the construction management personnel or company answers to the developer and is responsible for overseeing every aspect of the project from start to finish.

About this Programme

The BSc in Construction Management is a degree programme offered via on-line distance learning over a period of 2 years part time. The programme is specifically designed to facilitate industry professionals including; Engineers, Architects, Technicians, Foremen, Qualified Carpentry and Joinery Craft persons. The programme prepares graduates to assume technical, management, academic and research and development Level positions within in the construction industry.

The modules (with credits awarded) are as follows:

Year A:

- Construction technology (10)
- Measurement and costing (10)
- Site surveying (5)
- Communication and CAD (5)

Year B:

- Building services (5)
- Building surveying (5)
- Contract administration (10)
- Project planning (10)

After you Graduate

You may wish to continue your studies by enrolling on our two year, Level 8, Honours Degree in Construction Management. This programme would be accredited by HETAC and recognised by the CIOB (Chartered Institute of Building) as fulfilling the academic requirements for corporate membership.

Entry Requirements

Applicants should hold a related Level 6 National/Higher Certificate or a Senior Craft Certificate (Merit award) and two years relevant work experience. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo's Recognition of Prior Learning (RPL) process. Please contact the Programme coordinator to discuss.

at a glance

programme code

SG_CCONO_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module
€1,200 per 10 credit module
€3,400 per year

application deadline

7 September 2012

delivery



Online

for further information

Gavin Clinch

T: 071 91 37374

W: www.itsligo.ie

E: clinch.gavin@itsligo.ie

at a glance

programme code

SG_JCONS_K08

award

Level 8

duration

2 years

fees

€700 per 5 credit module

€1,400 per 10 credit module

€4,200 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

BSc (Hons) in Construction Project Management

Programme Code: SG_JCONS_K08

About Construction Project Management

Construction Project Management is a professional field that focuses on each part of the construction process of any built environment. The course at IT Sligo equips graduates with skills and knowledge in project management as well as an understanding of the business process and environment. Armed with such expertise, graduates will be prepared for decision making and undertaking executive responsibilities within a number of industries, such as; construction, energy, utilities, telecommunications, architecture, production, design and service industries.

About this Programme

The BSc in Construction Project Management is an honours degree programme offered via online distance learning over a period of 2 years on a part-time basis. The programme will provide students with the following key skills:

- Ability to manage the construction process and to meet the needs of clients within legal, financial and environmental constraints.
- Obtain a capacity for leadership in managing the building process.
- Management skills to plan, organise and control construction projects.
- Ability to contribute to the construction process in a manner that sustains and enhances the natural and built environments.
- An in-depth knowledge and understanding of the business process and the necessary theoretical knowledge to match solutions to business problems.

The modules (with credits awarded) are as follows:

First Year:

- Project Finance and Economics (10)
- Site Planning and Control (10)
- Projects and ICT (10)

Second Year:

- Strategic Project Management (10)
- Construction Law (10)
- Dissertation (10)

After you Graduate

Graduates from this course will have the necessary technical skills to manage a group of employees in a modern dynamic construction business. By combining operations and construction project management skills, graduates will be ideally equipped to take up positions as construction project leaders or managers in a variety of disciplines including; construction, energy, utilities, telecommunications, architecture, production, design and service industries.

Entry Requirements

A Level 7 qualification (min 50% average) in a related construction/engineering discipline. Relevant work experience will also be taken into consideration.

BSc in Manufacturing Management

Programme Code: SG_EMANU_J07

About Manufacturing Management

This course is aimed at those currently working or planning to work in management or supervisory positions in a manufacturing or service organisation.

The course teaches key skills that managers need to learn to grow and adapt to changing work environments in the modern organisation. Topics covered include strategic planning, budgeting, human resource management, quality and operational effectiveness.

Students completing the BSc in Manufacturing Management complete 2/3 of the requirements of the internationally recognised Six Sigma Green Belt Award. Students receive this award in addition to their degree by sitting one extra module (Six Sigma 2) and an external Green Belt exam.

About this Programme

This degree offered via online distance learning aims to deliver a broadly based degree with lecturers from the schools of Engineering and Business and Humanities at IT Sligo. The programme is suited to a variety of industry sectors including: manufacturing, medical devices, pharmaceutical, food processing and services. It is intended to prepare graduates for positions in front-line management.

The modules (with credits awarded) are as follows:

First Year:

- Organisational behaviour (10)
- Accounting and finance (5)

- Six Sigma 1 – quality tools (5)
- Interpersonal and leadership skills (5)

Second Year:

- Operations management (10)
- Contemporary management (10)
- Quality management systems (5)
- Project management (5)
- Project (5)

After you Graduate

A graduate from this programme will have the necessary technical and business skills to manage a group of employees in a modern business. By combining operations and project management with quality, finance and leadership skills, the graduate is ideally equipped to take up positions as team leader or department manager in a manufacturing or service environment.

Entry Requirements

Applicants will be expected to hold a Level 6 National/Higher Certificate in Business, Science, Engineering or equivalent. For those who do not have the required qualifications, a Level 6 HC in Supervisory Management and Technology is available from IT Sligo. If you have qualifications from outside Ireland or do not meet the normal eligibility requirements check our FAQ page (www.itsligo.ie/online) for further information. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo's RPL process.

at a glance

programme code

SG_EMANU_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module

€1,200 per 10 credit module

€3,200 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_EQUAL_J07

award

Level 7

duration

2 years

fees

€600 per 5 credit module
€1,200 per 10 credit module
€3,200 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

BSc in Quality

Programme Code: SG_EQUAL_J07

About Quality

Quality is a broad based discipline focused on improving products and processes in order to meet and exceed customer expectations in a competitive environment.

About this Programme

This programme focuses on giving the student the skills to operate as a quality practitioner in a modern manufacturing, marketing, consulting or service environment. It includes such programmes as lean manufacturing, Six Sigma, service quality and personal development.

The modules (with credits awarded) are as follows:

First Year:

- Lean management techniques
- Six Sigma 1 – quality tools (5)
- Six Sigma 2 – statistical control
- Applied statistical improvement (5)
- Service quality (5)
- Mathematics and statistics (5)

Second Year:

- Applied excel programming (5)
- Human relations and personal development (5)
- Quality management systems (5)
- Verification and calibration (5)
- Project management (5)
- Project – quality (5)

After you Graduate

Typically, graduates will be employed in the manufacturing, pharmaceutical or service industries. This programme is also an ideal stepping stone to further Level 8 and 9 Qualifications in Quality, which can also be obtained at IT Sligo.

Entry Requirements

Level 6 on the NFQ (Higher Certificate) qualification in relevant discipline or equivalent. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo's RPL process.



BSc (Hons) in Quality Management and Technology

Programme Code: SG_EQUAL_K08

About Quality Management

The quality professional is well represented in all sectors of the economy. While manufacturing will use familiar titles such as quality manager, or quality engineer other sectors may use titles such as transformation manager or change agent, director of quality or even more specific titles like Six-Sigma Black Belt. Quality as a profession is also well supported in the USA by the American Society for Quality [ASQ] and in the UK by The Chartered Quality Institute [CQI].

About this Programme

This course provides a bolt-on qualification in core quality management skills that are in demand in all sectors of the economy. It is ideal for engineering, science or business graduates who now find their careers or interests becoming more and more involved in quality management matters.

The online programme is of two years' duration. Students complete twelve 5 credit modules, this equates to 3 modules per semester which are offered on a rolling basis.

The modules (with credits awarded) are as follows:

First Year:

- Statistics (5)
- Total quality management (5)
- Managing people (5)
- Statistical process control (5)

- Standards and compliance management (5)
- Verification and calibration (5)

Second Year:

- Operations management (5)
- Experimental design (5)
- Reliability and risk management (5)
- Validation (5)
- Project quality (5)
- Case studies in quality management (5)

After you Graduate

Typically, graduates will be employed in the quality function of industries and institutions across all disciplines and sectors of the economy. In Ireland our biggest employers are in the medical device and pharmaceutical sectors. We also see increased interest in healthcare, education, transport and food production.

Entry Requirements

Typical entrants to this course will hold a minimum Level 7 degree in engineering, science or business discipline at upper second class honours grade or higher.

Applications will also be considered from those who demonstrate extensive experimental learning [experience] in quality but who do not meet the academic entry requirements. These will be evaluated through our RPL process.

at a glance

programme code

SG_EQUAL_K08

award

Level 8

duration

2 years online

fees

€700 per 5 credit module

€4,200 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_EQUAL_L08

award

Level 8

duration

2 years online

fees

€700 per 5 credit module

€4,200 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

Higher Diploma in Science in Quality

Programme Code: SG_EQUAL_L08

About Quality Management

The quality professional is well represented in all sectors of the economy. While manufacturing will use familiar titles such as quality manager, or quality engineer other sectors may use titles such as transformation manager or change agent, director of quality or even more specific titles like Six-Sigma Black Belt. Quality as a profession is also well supported in the USA by the American Society for Quality [ASQ] and in the UK by The Chartered Quality Institute [CQI].

About this Programme

This is a two-year part-time programme and is a 60 Credits [ECTS] Award.

This course provides a bolt-on qualification in core quality management skills that are in demand in all sectors of the economy.

The online programme is of two years duration. Students complete twelve 5 credit modules, this equates to 3 modules per semester which are offered on a rolling basis.

The modules (with credits awarded) are as follows:

First Year:

- Statistics (5)
- Total quality management (5)
- Managing people (5)
- Statistical process control (5)

- Standards and compliance management (5)
- Verification and calibration (5)

Second Year:

- Operations management (5)
- Experimental design (5)
- Reliability and risk management (5)
- Validation (5)
- Project quality (5)
- Case studies in quality management (5)

After you Graduate

Typically, graduates will be employed in the quality function of industries and institutions across all disciplines and sectors of the economy. In Ireland our biggest employers are in the medical device and pharmaceutical sectors. We also see increased interest in healthcare, education, transport and food production.

Entry Requirements

Typical entrants to this course will already hold a Level 8 degree in an engineering, science or business discipline.

Applications will also be considered from those who demonstrate extensive experiential learning [experience] in quality but who do not meet the academic entry requirements. These will be evaluated through our RPL process.

MSc in Quality

Programme Code: SG_EQUAL_M09

About Quality

The MSc in Quality is a two-year part-time programme designed for graduates who are currently in quality engineering and/or management positions and who wish to expand their knowledge towards the strategic aspects of the quality management and quality science.

About this Programme

This programme will provide the students with the skills and tools necessary to meet the demands of the next generation employability allowing them to advocate and implement strategic and change management programmes and co-ordinate and manage these in a global environment.

The emphasis is on developing expertise as quality management professionals, providing the tools, methods, knowledge and skills that are necessary to achieve adaptability, flexibility, creativity and innovation. The necessary skills and competencies will be developed to allow graduates to move beyond the operational Level and to facilitate the resolution of strategic issues such as the corporate quality strategy and its implementation in an international context.

Modules offered include:

- Project management (5)
- Value stream optimisation (5)
- Experimental design (5)
- Transformational change (5)
- Strategic management (5)

- Integrated management systems (5)
- System simulation modelling and analysis (5)
- Research methods (5)
- Research thesis (20).

After you Graduate

Typically, graduates will be employed as quality managers or senior quality engineers.

Entry Requirements

Participants must have one of the following academic qualifications:

- A 2nd class BSc Hons degree in Quality Management or Higher Diploma in Quality (Level 8) or equivalent.
- 2nd class Hons (Level 8) graduates who are currently in quality engineering/management positions within their respective organisations. These candidates will be selected following interview.
- Candidates not holding the required qualifications, but with significant relevant industrial experience will be assessed using the Institute RPL process.

at a glance

programme code

SG_EQUAL_M09

award

Level 9

duration

2 years part-time

fees

€750 per 5 credit module
€3,000 per 20 credit module
€4,500 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_EENER_009

award

Level 9

duration

2 years

fees

€750 per 5 credit module

€1,500 per 10 credit module

€4,500 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

Postgraduate Diploma in Energy Management

Programme Code: SG_EENER_009

About Energy Management

Energy management is a relatively new and rapidly expanding field that combines expertise in management practices and strategies. Energy managers analyse and improve energy efficiency, assess environmental impact and develop policy across these areas.

About this Programme

This programme has been designed to suit the needs of industry and the public sector. The aims of this programme are to develop awareness and skills in the area of energy management and conservation, the two main drivers being environmental and financial. Course instruction will include the latest clean energy technologies, implementation of energy management systems, ecological building design, energy auditing, and the use of suitable software packages where applicable.

The modules (with credits awarded) are as follows:

First Year:

- Energy and environment (5)
- Business management (5)
- Clean energy technologies (10)
- Energy efficient technologies (10)
- Energy efficient technologies (10)

Second Year:

- Energy and the built environment (10)
- Energy auditing (10)
- Energy management (10)

Entry Requirements

The minimum entry requirements are a second class honours degree in science, engineering, quantity surveying, architecture or another related discipline. Other suitable applicants may be accepted on completion of an RPL application.

Note: Students not wishing to proceed to Master's Level may avail of the award of an embedded Postgraduate Diploma. It is not possible to be awarded with a PhD **and** an MSc.

MSc in Energy Management

Programme Code: SG_EENER_M09

About Energy Management

Energy management is a developing field of knowledge that combines expertise in management practices and strategies as well as the technical aspects of mechanical and environmental engineering.

About this Programme

Candidates who have successfully completed the modules on the Postgraduate Diploma in Energy Management may choose to register for the Masters Dissertation for a further 30 Credits. Having accumulated the full 90 Credits successful graduates will be awarded an MSc in Energy Management.

Entry Requirements

Candidates must have successfully completed the taught Postgraduate Diploma in Energy Management.



at a glance

programme code

SG_EENER_M09

award

Level 9

duration

1 Semester

fees

€2,000 per module

€2,000 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_ELEAN_S07

award

Level 7

duration

1 year

fees

€600 per module

€1,800 per year

Plus €200 external Green Belt exam
and workshop

application deadline

7 September 2012

Enrolments in September and January each year

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Engineering

Certificate in Engineering in Lean Sigma Quality

Programme Code: SG_ELEAN_S07

About Six Sigma Green Belt

Six Sigma Green Belt provides participants with enhanced problem-solving skills, using the DMAIC (Define, Measure, Analyse, Improve and Control) model. This certification is in great demand by companies across all sectors in either manufacturing, pharmaceutical, healthcare or service sectors. It is suitable for all Levels within the organisation from supervisor and technician through to engineering and management Level.

Certification to Green Belt is organised through an Irish based training company and Quality America Inc. Quality America Inc, is one of the premier providers of Six Sigma Training and consultancy in the US and internationally with over 3,000 students trained and certified to date. More than 50 organisations, colleges and universities use their Six Sigma instructor materials. The Green Belt programme is based on the 'Six Sigma Demystified' text by Paul A. Keller, Vice President Quality America. Further information available on: <http://www.qualityamerica.com/aboutus.html>

About this Programme

The programme comprises of three modules:

- Six Sigma I Introduction and Quality Tools
- Six Sigma II Applied Statistical Control
- Six Sigma III – Project

The Six Sigma modules are HETAC accredited at Level 7 at 5 credits each and successful candidates receive a HETAC Certificate in Lean Sigma Quality (15 credits). The delivery of the six sigma modules in parallel with the six sigma project allows the student to use the tools for a real life project thus gaining a better understanding of the six sigma methodology. This 'learning by doing' approach also allows for better integration of the tools into the students workplace. The three modules followed by the one-day external workshop cover the requirements of the Six Sigma Green Belt award.

After you Graduate

There will be a progression path for those students who pass the modules and wish to continue on with a degree in Quality or Manufacturing Management at IT Sligo. Students who meet the eligibility criteria to enter the full degree programme can therefore upgrade skills in specific areas while still earning credits towards a final degree award. On successful completion of the three Six Sigma modules, the student will receive a Level 7 HETAC Certificate in Lean Sigma Quality (15 credits).

Entry Requirements

There is no prerequisite to study this programme. It is recommended that applicants have a Leaving Certificate or equivalent due to the Statistics covered in the course syllabus. Applicants must also be in a position to carry out a Six Sigma green belt project with an employer.

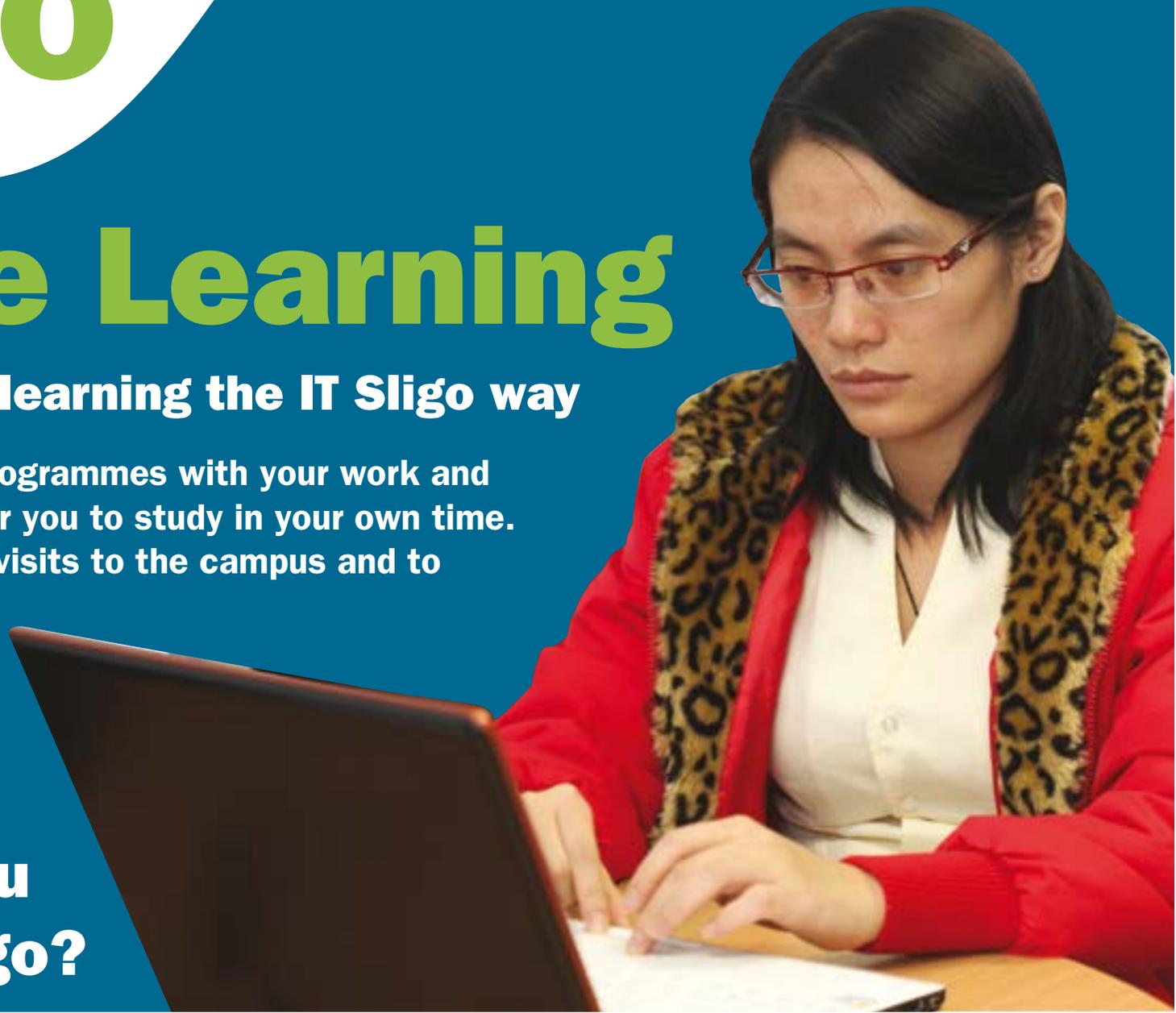
Distance Learning

Distance no barrier to learning the IT Sligo way

You can combine study on our programmes with your work and personal life. We make it easy for you to study in your own time. Programmes feature occasional visits to the campus and to industrial sites.

**With distance
not an issue,
what's to stop you
studying @ IT Sligo?**

For further details visit: www.itsligo.ie





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School of Science

Higher Certificate in Science in Good Manufacturing Practice (GMP)	60	Postgraduate Diploma in Environmental Protection	69
Higher Certificate in Science in Environmental Management	61	MSc in Environmental Protection	70
BSc in Environmental Management	62	Postgraduate Diploma in Science in Pharmaceutical Regulatory Affairs	71
BSc (Hons) in Environmental Management.....	63	MSc In Industrial Pharmaceutical Science	72
BSc in Pharmaceutical Science	64	Delivered jointly by the Royal College of Surgeons in Ireland and IT Sligo	
BSc (Hons) in Pharmaceutical Science.....	65	Certificate in Occupational Safety and Health..	73
BSc (Hons) in Biopharmaceutical Science.....	66	(Special Purpose Award, Level 6, 10 credits)	
Postgraduate Diploma in Biopharmaceutical Science.....	67	MSc in Environmental, Health and Safety Management	74
MSc in Biopharmaceutical Science.....	68		

at a glance

programme code

SG_SGOOD_C06

award

Level 6

duration

3 years part-time

fees

€1,750 per year

€5,250 in total

application deadline

7 September 2012

delivery



Online



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

Higher Certificate in Science in Good Manufacturing Practice (GMP)

Programme Code: SG_SGOOD_C06

About Good Manufacturing Practice and Technologies

Good Manufacturing Practice (GMP) is the part of Quality Assurance that ensures that products are consistently produced and controlled to the quality standards appropriate to their intended use. For a wide variety of industries in Ireland ranging from Pharmaceutical to Medical Devices to the Food and Beverage sectors the practice of GMP has become an absolute requirement by the relevant regulatory authorities.

About this Programme

This Level 6 course covers a wide variety of topics including; basic science modules, occupational safety and health, GMP and quality assurance, manufacturing and process technology, contamination and clean room management. It is delivered using online learning technologies in order to facilitate students who may be in employment or who otherwise may be unable to attend full-time programmes at the college. In addition to the main programme, IT Sligo in association with NIBRT (National Institute for Bioprocessing Research and Training) offers a range of Special Purpose Awards (SPA's) for 10, 20 and 30 credits that are specifically focused at the growing Biopharmaceutical Industry in Ireland.

The modules (with credits awarded) are as follows:

- Information systems (10)
- Fundamentals of chemistry (5)
- Biology (5)
- Applied mathematics (5)

- Occupational health and safety/environment management (5)
- cGMP 1 and quality assurance (10)
- Measurement science (5)
- Total quality management (5)
- Calibration science (5)
- cGMP2 quality control (10)
- Contamination control and clean room management (10)
- Introduction to pharmaceutical science (5)
- Manufacture and processing technology (10)
- Accredited company training project (30)

After you Graduate

The Higher Certificate in Science in GMP and Technology – Level 6 provides an opportunity to enter third Level education with the possibility of progression to Level 7 and 8 in allied areas. There is also the possibility of gaining employment in relevant industries at Level 6 but further educational progression is more likely. Progression from this entry-Level programme is possible to a range of Level 7 and ultimately Level 8 degree programmes such as Pharmaceutical Science, Biomedical Science, Biopharmaceutical Science and Forensic Science.

Entry Requirements

Leaving Certificate or equivalent award. The course is aimed at people working in industry who may or may not have any previous qualifications. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo's Recognition of Prior Learning (RPL) process.

Higher Certificate in Science in Environmental Management

Programme Code: SG_SENVI_C06

About Environmental Management

Environmental management is a fundamental business consideration in the public and private sectors. It concerns the way in which an organisation impacts upon the environment and the measures it must have in place to minimise any damage and maximise its positive impact.

About this Programme

This programme is designed for people with either an interest in the environment and/or who wish to take an active part in the environmental management affairs of an organisation. It consists of a combination of science, business, engineering, legal and management modules with a number of modules being offered as electives. The theory aspect of the programme is reinforced with workshops and/or site visits to environmental protection facilities or organisations with functioning environmental management systems.

The programme also includes a project, which typically involves investigation of real environmental issues. The programme is being made available in single modules or as a Minor Award subject to a minimum of 60 Credits having been accumulated, participants will be eligible for a Minor Award (Certificate in Environment Management) of the Higher Certificate in Science in Environmental Management.

The full award of Higher Certificate in Environmental Management requires the completion of 120 credits.

The modules (with credits awarded) are as follows:

- Principles of environmental science (10)
- Principles of environmental engineering (5)
- Introduction to environmental management systems and auditing (15)
- Introduction to legal system (5)
- Environmental legislation (15)
- Introduction to air energy and transport (10)
- Introduction to water and wastewater (5)
- Introduction to waste management (5)
- Soil, land use and ecology (5)
- Nuisance issues (5)
- Environmental science – project (15)

Electives to the value of 35 credits to be chosen from the following:

- Occupational safety and health (10)
- Organisational behaviour (10)
- Communications (5)
- Introduction to waste management (10)
- Information technology (10)
- Elective 1 (through RPL process) (10)
- Elective 2 (through RPL process) (5)

Entry Requirements

Leaving Certificate or equivalent award. Applicants with other qualifications and/or with relevant experience will also be considered through IT Sligo's Recognition of Prior Learning process.

at a glance

programme code

SG_SENVI_C06

award

Level 6

duration

2 years

fees

€300 per 5 credit module
€600 per 10 credit module
€900 per 15 credit module
€3,250 per year

application deadline

7 September 2012

delivery



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SENVI_J07

award

Level 7

duration

2 years

fees

€500 per 5 credit module
€1,500 per 15 credit module
€3,000 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

BSc in Environmental Management

Programme Code: SG_SENVI_J07

About Environmental Management

Many organisations develop a management plan or system to implement, manage and maintain environmental goals. This ordinary degree in Environmental Management is specifically designed for people who are required to take an active part in the environmental management affairs of an organisation. It is also suitable for others who wish to develop their knowledge, skills and competence base in the science of environmental management.

About the Programme

The programme will be mainly delivered using the Internet (using the Moodle online teaching application) and students will be instructed in this method at the start of the programme. Online lectures, programme materials, innovative learning, web-links and assessments will be delivered using this platform. There will also be two workshops per semester, where the students will undertake teamwork, lectures and/or site visits to environmental facilities or organisations with functioning environmental management systems.

Modules include:

- Environmental policy and legislation
- Water quality in Irish river basin districts
- Natural heritage management
- Planning and environmental impact assessment
- Energy use and sustainability
- Air quality
- Environmental management systems and auditing
- Environmental management project in the workplace

After you Graduate

You will be better informed to work in an environmental capacity in your own workplace. In addition you can also apply for an online Level 8 Honours Degree in Environmental Management at IT Sligo. Employment prospects may exist in varied environmental sections of industries and organisations.

Entry Requirements

Higher Certificate (Level 6) in a relevant Science discipline at Merit Level or equivalent. Applicants with other qualifications and/or with relevant experience will also be considered. It is also envisaged however, that applicants with different backgrounds can successfully complete the programme, subject to assessment of other recognised qualifications, and/or recognised prior learning and/or relevant work experience.



BSc (Hons) in Environmental Management

Programme Code: SG_SENVI_K08

About Environmental Management

There is an ever increasing onus on all types of organisations to manage environmental issues and factor environmental requirements into their decision making processes. This arises from a number of drivers in areas such as legislative compliance, commercial development, technical operations and Corporate Social Responsibility (CSR). Moreover, there is now an increasing necessity to factor environmental criteria into the early stages of Project Development.

This honours degree in Environmental Management is specifically designed for people who need to take an active role in Project Management or Project Development with a particular focus on the environmental requirements. It is also suitable for those who require involvement in the environmental management affairs of an organisation or who wish to develop their knowledge, skills and competence base in the science of environmental management.

About the Programme

The programme will be mainly delivered using the Internet (using the Moodle online teaching application) and students will be instructed in this method at the start of the programme. Online lectures, programme materials, innovative learning, web-links and assessments will be delivered using this platform. There will also be up to two workshops per semester, where the students will undertake teamwork, lectures and/or site visits to facilities or organisations that are relevant from an environmental management perspective.

Modules include:

Year 1:

- Principles of project management (10 credits)
- Cleaner production (10 credits)
- Natural resource management (10 credits)

Year 2:

- Project development (10 credits)
- Project (20 credits)

After you Graduate

Employment prospects may exist in both the public and private sectors in projects of all types and sizes. This is particularly the case where project success factors, or contract/tender award criteria, relating to the environment need to be satisfied or where an organisation seeks a qualified professional to take on the role of environmental manager. You will also be better informed to work in a project management/development capacity or environmental management role in your own workplace. Finally, you can apply for a distance learning Level 9 Postgraduate Diploma in Environmental Protection at IT Sligo.

Entry Requirements

Ordinary Degree (Level 7) in a relevant science discipline. Applicants with other qualifications and/or with relevant experience will also be considered. It is also envisaged however, that applicants with different backgrounds can successfully complete the programme, subject to assessment of other recognised qualifications, and/or recognised prior learning and/or relevant work experience. These candidates will be interviewed for suitability and be subject to prior approval by the Programme Board.

at a glance

programme code

SG_SENVI_K08

award

Level 8

duration

2 years

fees

€650 per 5 credit module
€1,300 per 10 credit module
€3,900 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SPHAD_B07

award

Level 7

duration

2 years

fees

€600 per 5 credit module

€1,800 per 15 credit module

€3,600 per year

application deadline

7 September 2012

delivery



Online



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

BSc in Pharmaceutical Science

Programme Code: SG_SPHAD_B07

About Pharmaceutical Science

The pharmaceutical industry is responsible for discovering and producing a wide range of proprietary medicines. In recent years the development and processing of biopharmaceutical medicines has become a major feature of the overall pharmaceutical sector. This programme aims to prepare students to work in this industry, whether in pharmaceuticals or biopharmaceuticals, from initial drug design and discovery all the way through to formulating the final product.

About the Programme

The programme consists of a unique mix of Science disciplines based on pharmaceutical and biopharmaceutical industry requirements. The programme is multi-disciplinary, and is aimed at producing multi-skilled graduates for a wide range of scientific and production employments in the specific industries.

In addition to the main programme, IT Sligo in association with NIBRT (National Institute for Bioprocessing Research and Training) offers a range of Special Purpose Awards (SPA's) for 10, 20 and 30 credits that are specifically focused at the growing Biopharmaceutical Industry in Ireland.

The programme modules (with credits awarded) are as follows:

- Biopharmaceuticals 2 (5)
- Pharmaceutical quality systems (5)
- Scientific communications 2 (5)

- Statistics and computing (5)
- Cell culture processing (10)
- Facilities and utilities (5)
- Protein purification (10)
- Formulation/fill-finish (5)
- Bioanalytical techniques theory (5)
- Bioanalytical techniques practical (5)

Students are required to complete a total of 60 credits for the full award.

After you Graduate

Graduates from this programme can expect to find employment in the Pharmaceutical, Biopharmaceutical, Biotechnology or Medical Diagnostics sectors as well as more broadly in the area of analytical science. The BSc in Pharmaceutical Science provides an excellent foundation for the student who wishes to progress to the BSc (Hons) Degree in Pharmaceutical Science or the BSc (Hons) Degree in Biopharmaceutical Science both of which are offered in a fully online format by IT Sligo.

Entry Requirements

BSc (Ordinary) or National Diploma (Level 7) in a relevant science discipline at Merit Level or equivalent. Applicants with other qualification and/or with relevant work experience can also be considered under the IT Sligo's RPL (Recognition of Prior Learning) process.

BSc (Hons) in Pharmaceutical Science

Programme Code: SG_SPHAR_K08

About Pharmaceutical Science

The pharmaceutical industry in Ireland is responsible for the research, discovery and manufacture of a broad range of medicines. We aim to prepare students to work in this dynamic industry, from initial drug design and development all the way through to formulating and production of the final product. IT Sligo has strong links with the pharmaceutical industry which ensures that our courses offer the vital skills and knowledge that are required in this expanding sector.

About the Programme

This programme aims to prepare graduates to assume positions of responsibility in the Pharmaceutical/Medical Device industry sectors. The programme is technically comprehensive and graduates will be in a position to seek employment in many other areas within the broader scientific community. The programme comprises core pharmaceutical industry subjects with emphasis being placed on modern operations technology. Modules include pharmaceutical legislation and compliance auditing, validation, operations management, drug structure, and biopharmaceutical analysis. These critical modules will give graduates an appreciation of Pharmaceutical processes and greatly help them progress in their future careers.

Programme structure – modules (with credits):

- Biopharmaceutical analysis (5)
- Validation (5)
- Operations management (5)

- Drug structure (5)
- Case studies (10)
- Compliance auditing (5)
- Advanced organic chemistry (5)
- Pharmaceutical legislation (5)
- Research methods (5)
- Project (10)

After you Graduate

Areas within the industry where graduates are technically qualified and are being employed include: quality assurance/control, laboratory analysis, regulatory affairs, technical/process, validation, manufacturing/production.

The BSc (Hons) in Pharmaceutical science provides an excellent foundation for the student who wishes to progress to a Masters Degree (Level 9) in a range of course options (especially the MSc in Industrial Pharmaceutical Science, which is offered jointly by the School of Pharmacy at the Royal College of Surgeons in Ireland and the School of Science at IT Sligo). This MSc fulfils the educational requirements for the status of Qualified Person.

Entry Requirements

BSc (Ordinary) or National Diploma (Level 7) in a relevant science discipline at Merit Level or equivalent. Applicants with other qualifications and/or with relevant experience will also be considered.

at a glance

programme code

SG_SPHAR_K08

award

Level 8

duration

2 years

fees

€500 per 5 credit module
€1,000 per 10 credit module
€3,000 per year

application deadline

7 September 2012

delivery



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SBIOP_K08

award

Level 8

duration

2 years

fees

€750 per 5 credit module

€1,500 per 10 credit module

€4,500 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

BSc (Hons) in Biopharmaceutical Science

Programme Code: SG_SBIOP_K08

About Biopharmaceutical Science

Biopharmaceutical Science involves study of the discovery, development and processing of modern, medical drugs by artificially growing some or all of the components utilising cell culture technologies. The processes involved are more biological-based as compared to the more chemical-based processes associated with small-molecule pharmaceutical products. The Medical Biotechnology and Biopharmaceutical sectors are among the fastest growing in the Life Sciences area both nationally and internationally.

This programme is jointly offered by IT Sligo and NIBRT (National Institute for Bioprocessing Research and Training).

About the Programme

This graduate programme in Biopharmaceutical Science aims to provide students with a comprehensive understanding of the critical aspects of Biopharmaceutical Processing and Support Services, with specific focus on the product lifecycle of Biological products and associated processes. One of the key features of the programme is that it combines cutting-edge skills in Biopharmaceutical Science and Medical Biotechnology with an understanding of the legislative and quality control system framework in which this takes place within the industry.

The ten core modules (with credits awarded) are as follows:

- Cell culture processing (5)
- Quality systems and regulatory affairs (5)
- Recombinant drug development and engineering (5)
- Protein purification (5)
- Facilities and utilities (5)

- Biovalidation (5)
- Lean sigma (5)
- Biocontamination control (5)
- Bioanalytics (5)
- Formulation/fill-finish (5)

The two elective modules are as follows:

- Biopharmaceutical science practicals (10)
- Biopharmaceutical science project (10)

Students are required to complete a total of 60 credits for the full award.

After you Graduate

Graduates from this programme can expect to find employment in the Biopharmaceutical, Biotechnology, Medical Diagnostics, Medical Devices and Pharmaceutical sectors, as well as more broadly in the area of analytical science. In the development of this programme emphasis has been placed on aligning the course content with the skills required by the Biopharmaceutical industry, whilst ensuring that there is sufficient flexibility to allow students to move laterally into associated careers including Research and Development opportunities.

Entry Requirements

Candidates are required to hold a cognate Level 7 degree, in a Science or Engineering discipline, with a second class honours grade or higher. Applicants with other qualifications and with relevant work experience may also be considered through IT Sligo's RPL (Recognised Prior Learning) process.

Postgraduate Diploma in Biopharmaceutical Science

Programme Code: SG_SBIOP_M09

About Biopharmaceutical Science

Biopharmaceutical science involves the creation of medical drugs by artificially growing some or all of their components. This programme is jointly offered by IT Sligo and the National Institute for Bioprocessing Research and Training (NIBRT).

About this Programme

The programme aims to provide scientists/engineers with industrial experience with a comprehensive grounding in critical aspects of biopharmaceutical processing and support activities, with specific focus on the product lifecycle of biopharmaceutical products/processes.

The programme requires the completion of 6 core/mandatory modules, addressing the fundamental aspects of Biopharmaceutical processing.

The six core modules (with credits awarded) are as follows:

- Biopharmaceutical drug discovery and development (5)
- Fermentation and cell culture processing (5)
- Protein purification processing (5)
- Legislation/Regulatory affairs for biopharmaceutical products (5)
- Biopharmaceutical analytical techniques (5)
- Biocontamination monitoring and control (5)

Further elective, theory or laboratory-based modules (30 Credits in total) are available from a wide choice of modules across principal strands as follows:
operations, science and quality system/compliance.

Students are required to complete a total of 60 Credits.

Note: If one does not want to gain the full award of Postgraduate Diploma in Biopharmaceutical Science, one can receive a minor award of Certificate in Science in Biopharmaceutical Science at Level 9 on successful completion of 30 credits.

After you Graduate

Upon successful completion of the Postgraduate Diploma you may continue onto the Masters in Biopharmaceutical Science which involves a dissertation and takes approximately 1 year to complete. The career opportunities in this field are varied and include the pharmaceutical, healthcare and biomedical sectors. You will be qualified to work in areas such as the development of new medicines, biomedicines, quality assurance, regulatory affairs, validation studies and research and development.

Entry Requirements

To obtain entrance to the Postgraduate Diploma: Candidates must have achieved a Level 8 Honours Degree in science or engineering awarded by a recognised degree awarding body or hold a relevant national diploma/ordinary degree in science or engineering and have obtained a minimum of three years relevant post qualification experience.

Note: Students not wishing to proceed to the Master's Level may avail of the award of an embedded Postgraduate Diploma. It is not possible to be awarded both a Postgraduate Diploma **and** an MSc Award.

at a glance

programme code

SG_SBIOP_M09

award

Level 9

duration

2 years

fees

€1,000 per 5 credit module

€5,000 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SBIOP_M09

award

Level 9

duration

1 year part-time

fees

€2,000 per module

€2,000 per year

application deadline

7 September 2012

delivery



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

MSc in Biopharmaceutical Science

Programme Code: SG_SBIOP_M09

About the Master of Science Biopharmaceutical Science

Candidates must have successfully completed the Postgraduate Diploma in Biopharmaceutical Science (60

credits) in order to register for the MSc in Biopharmaceutical Science over a further year. The main element of the MSc is completion of a 30 Credit dissertation.

Having accumulated the full 90 Credits successful graduates will be awarded an MSc in Biopharmaceutical Science.



Postgraduate Diploma in Environmental Protection

Programme Code: SG_SENVP_009

About Environmental Protection

With the environment more frequently highlighted in the news, there is increased interest in environmental protection as a discipline covering a range of areas including ecology, geology, biology, water and waste management and sustainability.

About this Programme

This is a postgraduate, distance-learning programme in the theory and practice of environmental protection, which has been successfully running for over 20 years. It is designed for those who have, or who aspire to have, environmental responsibilities but who lack formal training in the area. A broad range of environmental topics is addressed, to provide environmental management, technical and legislative skills to participants.

The six modules (with credits awarded) covered over the two year duration of the course are:

- Water pollution (10)
- Waste management (10)
- Air pollution (10)
- Noise and energy (10)
- Environmental systems (10)
- Environmental management (10)

After you Graduate

You will be qualified to work in areas such as environmental management, enforcement, waste management, wastewater treatment, air pollution control and research and development. The career opportunities in this field are varied and include working in industry, environmental consultancy, education and regulatory authorities. Upon achieving honours in the Postgraduate Diploma you may continue onto the Masters in Environmental Protection which is a dissertation and takes one academic year.

Entry Requirements

Participants must have one of the following academic qualifications:

- 1) Hold an Honours Degree in science or engineering awarded by a recognised degree awarding body or,
- 2) Hold a relevant ordinary degree in science or engineering and have obtained a minimum of three years relevant post-qualification experience.

Note: Students not wishing to proceed to Master's Level may avail of the award of an embedded Postgraduate Diploma. It is not possible to be awarded with a PgD **and** an MSc.

at a glance

programme code

SG_SENVP_009

award

Level 9

duration

2 years

fees

€1,000 per 10 credit module
€3,000 per year

application deadline

17 August 2012

delivery



Distance



Online

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SENVP_M09

award

Level 9

duration

1 year part-time

fees

€3,000 per module

€3,000 per year

application deadline

7 September 2012

delivery



Online



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

MSc in Environmental Protection

Programme Code: SG_SENVP_M09

About the Masters in Environmental Protection

Candidates who have successfully completed the modules on the Postgraduate Diploma in Environmental Protection may choose to register for the MSc in Environmental Protection also by distance learning over a further year. The main element of the MSc is completion of a 30 Credit dissertation.

About this Programme

Having accumulated the full 90 Credits successful graduates will be awarded an MSc in Environmental Protection.



Postgraduate Diploma in Science in Pharmaceutical Regulatory Affairs

Programme Code: SG_SREGU_009

About Pharmaceutical Regulatory Affairs

Regulatory affairs specialists play an important role in the pharmaceutical industry and there is currently no dedicated training programme in Ireland suitable for those who would like to enter this field or who are working in the area but want to develop their knowledge and skills. The course is being made available in part time distance learning format.

About this Programme

The Postgraduate Diploma comprises a suite of six modules (60 credits) which is delivered over two academic years. Participants may also take individual modules, at his/her own pace, receive credits on successful completion of each module and eventually receive sufficient credits to be awarded a Postgraduate in Science in Pharmaceutical Regulatory Affairs.

The Postgraduate Diploma comprises the following individual modules:

- Regulatory processes and procedures (10)
- Development of medicinal products (10)
- Authorisation process for medicinal products (10)
- Biological products (10)
- Quality and safety (10)
- Supply, sales and marketing (10)

After you Graduate

The programme objectives are to produce graduates with the essential breadth and kind of knowledge, skills set and competences required to function as a regulatory affairs officer in the pharmaceutical industry and to be capable of an immediate contribution to regulatory projects in a pharmaceutical company environment.

Entry Requirements

The programme is open to students who have obtained a Level 8 Honours Degree or its equivalent in an appropriate discipline (i.e. a science subject related to the pharmaceutical sciences). Other candidates with alternative Honours Degrees and experience in regulatory affairs shall be considered on a case-by-case basis through IT Sligo's RPL (Recognised Prior Learning) process.



at a glance

programme code

SG_SREGU_009

award

Level 9

duration

2 years

fees

€5,000 per year

application deadline

7 September 2012

delivery



Online



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

at a glance

programme code

SG_SPHAR_M

award

Level 9

duration

2 years

fees

€1,850 per module

€7,350 per year

application deadline

30 November 2012

delivery



Online with RCSI



Distance

for further information

T: 071 91 55222

W: www.itsligo.ie

E: parttime@itsligo.ie

Science

MSc in Industrial Pharmaceutical Science

Delivered jointly by the Royal College of Surgeons in Ireland and IT Sligo

Programme Code: SG_SPHAR_M

About Industrial Pharmaceutical Science

This qualification is of interest to those working in the pharmaceutical or healthcare industries and who would like to gain an education in the main subjects related to industrial practice. The aim of the programme is to deliver an MSc that fulfils the educational requirements contained in Article 49 of Directive 2001/83/EC and Article 53 of Directive 2001/82/EC (replacing respectively Directives 75/319/EEC and 81/851/EEC) for Qualified Person acceptability. Candidates other than those wishing to become QPs will also be accepted.

About this Programme

The MSc in Industrial Pharmaceutical Science focuses strongly on industrial and regulatory competencies. The course is part-time, modular, distance learning with block attendance (4 blocks in two years). The programme is organised around a two-year cycle, during which 12 modules are studied and a research project will be carried out. Each year is split into two semesters and three modules are delivered in parallel during each semester.

The individual modules include the following:

- Active pharmaceutical ingredients
- Pharmaceutical microbiology
- Processes and production
- Project management
- Medicinal chemistry
- Pharmaceutical law, ethics and administration
- Formulation

- Quality systems
- Biopharmaceuticals and biopharmaceutical analytical techniques
- Investigational medicinal products
- Pharmacology and toxicology
- Operations management

For suitably qualified candidates who wish to pursue Qualified Person status, the programme fulfils the educational requirements of the relevant European Directives. The modular structure and credit system will facilitate studying for the degree while working.

After you Graduate

You will have satisfied the educational requirements to be a Qualified Person as per Article 49 of Directive 2001/83/EC and Article 53 of Directive 2001/82/EC. As a QP you are responsible for certifying the suitability for release of every batch of a pharmaceutical product.

Entry Requirements

The MSc programme is open to students who have obtained an Honours Degree or its equivalent in an appropriate discipline. Candidates intending to pursue Qualified Person status should have an appropriate primary degree that conforms to the specific requirements for primary qualifications listed in European Directives 2001/83/EC and 2001/82/EC. There is also a requirement for an intending Qualified Person to have completed a minimum of two years practical industrial experience in an appropriate manufacturing environment.

Certificate in Occupational Safety and Health (Special Purpose Award, Level 6, 10 credits)

Programme Code: SG_SOCCU_E06

About Occupational Safety and Health

Some of the most successful companies in Ireland are those who place a strong emphasis on employee safety and health. The requirement for Occupational Safety and Health is also underpinned by comprehensive legislation enforcement. Ireland has made great progress in Occupational Safety and Health over recent years. Continued education and training is a vital element of the strategy to build on this progress to further improve workplace safety.

About this Programme

This Certificate in Occupational Safety and Health is a one year online course which provides training on the basic issues relating to occupational safety and health in the workplace. The course is delivered through online lectures for approximately 20 weeks from October to May. Delivery is mainly by Powerpoint presentation with the provision of supplementary study materials. The course can be accessed by participants in their workplace, at home or can be accessed by non-live recordings.

Areas covered include:

- Introduction
- Legislation x 2
- Hazard and risk control 1 and 2
- Construction safety
- Machine safety
- Occupational health and diseases 1 and 2
- Chemical safety 1 and 2

- Occupational hygiene
- Electrical safety
- Fire safety
- Ergonomics and manual handling
- Health and safety management systems

After you Graduate

You will be better informed to assist with the improvement of occupational safety and health within your own workplace.

Entry Requirements

Leaving Certificate or equivalent award. The course is aimed at people working in industry that may or may not have any previous qualifications.

at a glance

programme code

SG_SOCCU_E06

award

Level 6

duration

1 year

fees

€750 per year

application deadline

7th September 2012

delivery



Online

for further information

T: 071 91 55260

W: www.itsligo.ie

E: mullarkey.david@itsligo.ie

at a glance

programme code

SS_SENVH_M09

award

Level 9

duration

1 year

fees

€5,000 per year

application deadline

7 September 2012

delivery



Classroom

for further information

T: 071 91 55260

W: www.itsligo.ie

E: mullarkey.david@itsligo.ie

Science

MSc in Environmental, Health and Safety Management

Programme Code: SS_SENVH_M09

About Environmental Health and Safety

Managing EHS is considered fundamental to business success and many organisations are implementing EHS management systems based on international and European standards. These systems enable companies to take a proactive approach to managing EHS affairs and ensure compliance with the regulatory framework.

About this Programme

This MSc in EHS Management is a one-year, full-time, taught course aimed at honours degree graduates of science, engineering or related areas. A dedicated classroom is provided with facilities for teaching, presentations, group discussion work with a computer for each student. Modules covered include environmental systems and technology, occupational safety and health theory and practice, environmental law,

safety law, safety and quality systems, environmental systems and auditing, environmental impact assessment, policy and planning, occupational hygiene, occupational health, ergonomics and management practice.

After you Graduate

Graduates will be able to oversee the development and implementation of EHS management systems and take positions at senior management Level in a wide range of organisations and sectors.

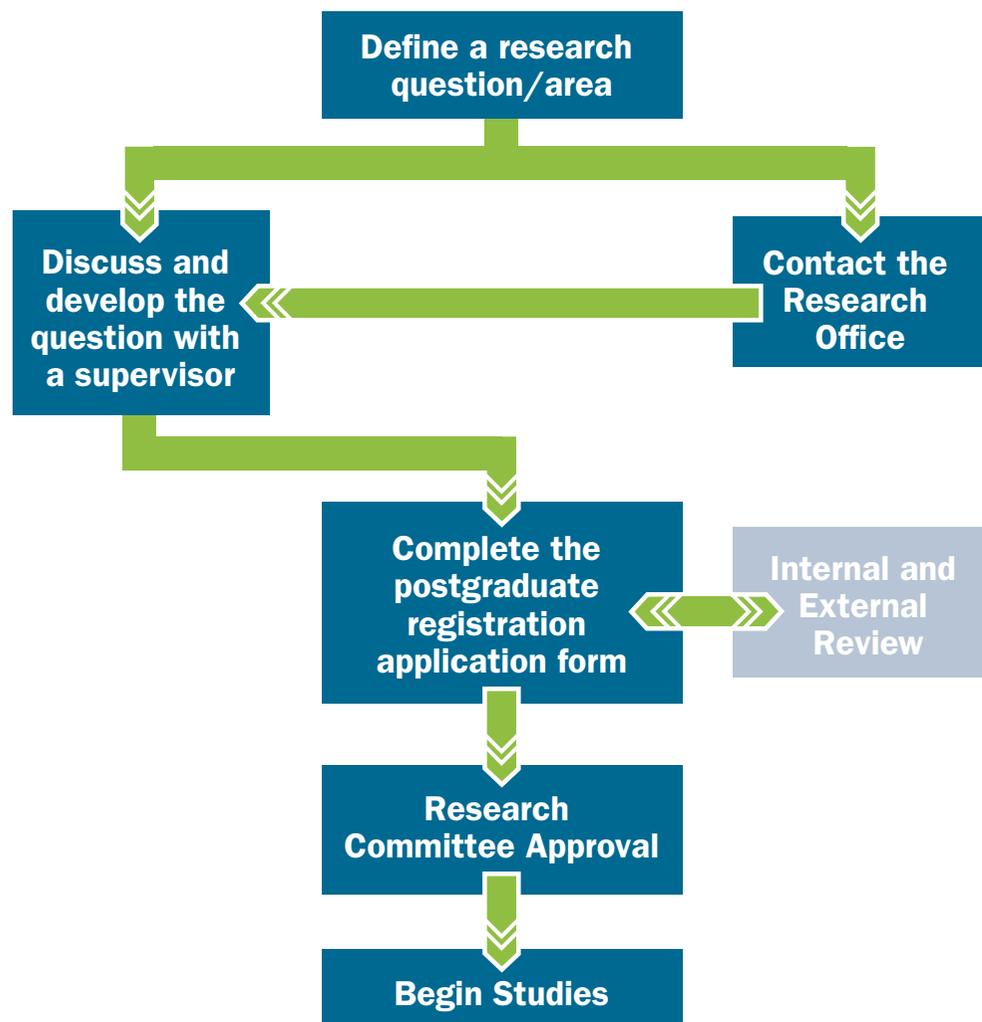
Entry Requirements

Candidates with a Level 8 Honours Degree in science or engineering or in a related area are eligible to apply.





Registering for a Research Degree



What is a Research Degree?

A research degree (Research Masters or PhD) is different to a taught programme in that the primary mode of study is self-learning. There is no formal course work and as a student you will be responsible for carrying out the required work, to the appropriate standard, within the appropriate timeframe. A supervisor is appointed by IT Sligo to guide you in developing and carrying out the project.

Project Management and Structure

An added advantage of this learning mode, beyond achieving Level 9 or 10 knowledge and skills, is that you develop and prove your ability to work alone, or in groups, to take responsibility for leading and initiating work, and to self-evaluate and manage your own academic and professional development. These skills are valued highly in the workplace.

Another difference between taught and research degrees is that you will be involved in the design of the study programme from the outset.

The Research Question - Your Research Topic

Each research project is unique, and involves a specific research question, which the project is designed to answer in a structured way.

The research question may come from a

supervisor, who has an existing research programme and team, and is developing the area further, or it may come from you, if for example you are interested in research on a particular topic. In either case, before applying to register, you and your supervisor work together to develop a project plan that is built around an appropriate question, has an appropriate plan of work required to answer the question, and has an appropriate schedule within which to achieve the particular degree. Note a Masters is typically two years, a PhD is typically 4 years.

Registration

Registration can be processed at any time of the year. Each applicant's learning background and current circumstances is unique. At all stages of the registration application process, the Research Office will assist you and your supervisor on any queries you may have.

Once the research question is decided, and the project plan developed, registration is initiated by completing a standard form and submitting it to the Head of Research. The application is reviewed by an internal reviewer and an external reviewer. If required, additional question/ project development may be undertaken. Once this is done, a recommendation is made to the Institute's Research Committee. Work can begin once the application is approved and fees are paid.

Main Campus Map

Key Code

- A** Central Administration
- B** Business & Humanities
- C** Marketing and Languages
- D** Science & Student Canteen
- E** Engineering
- F** Technology
- G** Innovation Centre
- H** Student Services Centre
- J** Lecture Halls
- K** Fine Art & Creative Design
- L** Fine Art & Creative Design
- M** Applied Technology
- P** Knocknarea Arena



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Images in the Prospectus supplied by: Sean Mullery, Steve Rogers and Shaun Egan. Special thanks to other contributors.
The Institute of Technology, Sligo cannot accept responsibility for errors or omissions.

Cloud Mechatronics Construction
Accounting Quality Management Information Technology
Electronic Engineering Industrial Pharmaceutical Science
Professional Development Aspirational
Distance Learning

Lairdesign

Occupational Health
Information Technology Accounting
Environmental Management Social Studies
Electronic Engineering Management Self Improvement
Construction Biopharma Professional Development Engineering
Arts

Flexibility
Self Improvement Marketing
e-business Social Studies Distance Learning
Occupational Health
Professional Development
Computing

Humanities
Environmental Management Business
Information Technology Self Improvement
Engineering Distance Learning
Cloud

Aspirational
Cloud Mechatronics Construction
Accounting Quality Management
Electronic Engineering
Professional Development
Distance Learning

Occupational Safety
Environmental Protection Mechatronics
Industrial Pharmaceutical Science Accounting
Marketing Quality Management Construction
Convenience Engineering Distance Learning CPD
Arts

e-learning
Professional Development Business
Computing Information Technology
Environmental Management
Biopharma Social Studies
Humanities



IT Sligo
Ash Lane
Sligo
Ireland

T +353 (0) 71 91 55222
F +353 (0) 71 91 60475
E parttime@itsligo.ie

For mobile access
please scan code



www.itsligo.ie