



Ollscoil  
Teicneolaíochta  
an Atlantaigh

Atlantic  
Technological  
University

**Online, Flexible  
& Professional  
Development**

atu.ie

# Réamheolaire Prospectus

2024/25



# Clár

## Contents

Welcome to Online, Flexible & Professional Development at ATU	04
Our Flexible Campus	06
Upskilling for the Future of Work	08
Flexible Study Options	10
Accredited Qualifications	12
New Courses	14
Course List	16
Business	18
Enterprise & Law	34
Tourism & Marketing	50
Design & Creative Industries	68
Education	80
Humanities & Social Sciences	106
Civil Engineering & Construction	114
Computing	158
Electrical & Mechanical Engineering	198
Quality	220
Environmental Science	238
Exercise Science & Nutrition	252
Life Science	276
Nursing & Health Care	330
Micro-credentials	374
How to Apply	444
Entry Requirements	445
Examinations & Assessments	446
Fees & Funding	447
Meet our Team	448
Career Guidance	450
ATU Alumni Network	451

# Fáilte chuig Forbairt Ghairmiúil, Ar Líne & Sholúbtha

## Welcome to Online, Flexible & Professional Development

I am delighted to welcome you to our new Online, Flexible & Professional Development 2024/25 prospectus. This prospectus will give you a full overview of the flexible learning courses available at Atlantic Technological University, one of the largest multi-campus universities in Ireland.

We are very proud of the diverse range of online and flexible courses offered at ATU. As the leader in flexible learning, our course portfolio responds to student demand and delivers vital skills needed in the marketplace. We offer students the opportunity to study part-time from Higher Certificate right up to Masters level, in a range of disciplines aligned to industry demand.

Built on our expertise and in collaboration with industry partners, our accredited courses support students at all stages, regardless of location, to access and continue lifelong learning, develop new skills, and advance their careers.

If you join our ATU family, we will welcome you and provide all the guidance and support you need to fulfil your potential. We are dedicated to enabling sustainable economic, social, and cultural development; connected to and serving our region and with a mindset that reaches far beyond it.

Embark on your learning journey your way.

**Dr Orla Flynn**  
Uachtarán/President  
Ollscoil Teicneolaíochta an Atlantaigh  
Atlantic Technological University





## Ár gCampas Solúbtha Our Flexible Campus

**As a student of Online, Flexible & Professional Development at ATU, you will have the opportunity to visit our campus locations for blended learning, workshops, guest lectures, lab sessions or to avail of our campus facilities such as library services and study zones.**

Making this connection helps to foster a sense of community and shared learning experiences. We encourage students who have the opportunity, to visit one of our nine campus locations across the west and north-west of Ireland.

### **Galway City, Dublin Road**

ATU Galway City's building on the Dublin Road is one of Galway's iconic landmarks due to the three distinctive sail-shaped copper panels at the front of the main building. It offers undergraduate and postgraduate courses in business, science, computing, engineering, culinary arts, hospitality, tourism and heritage. Located in the heart of Galway's thriving business parks, the campus offers ease of access for those wishing to undertake blended learning.

### **Galway City, Wellpark Road**

ATU Galway City's building on the Wellpark Road is located even closer to Galway City centre. The location is a hive of creative activity and is home to several creative enterprises. It offers courses in design, art, film and documentary, creative media and storytelling, animation and game design, and teaching (art, design and graphics).

### **Mayo**

ATU Mayo offers courses in nursing, social care, early childhood education and care, community development and youth work, outdoor education, history and geography at undergraduate and postgraduate level. Co-located with the University hospital in Castlebar, the campus has a distinct strength in upskilling and continuous professional development for Nursing and Healthcare practitioners.

### **Connemara**

ATU Connemara is located along a stunning coastline just over an hour from Galway City. The campus is home to over 200 students, studying a range of degree courses in furniture design and technology. The campus boasts state-of-the-art workshop facilities with the most advanced machinery and computer technology.

### **Mountbellew**

ATU students in Mountbellew can choose between degrees in rural enterprise and agri-business, agri-engineering or agri-science. Students spend their time between the Mountbellew campus (one hour drive from Galway City) and the ATU Galway City Campus.

### **Donegal**

ATU Donegal is a modern campus offering 40 postgraduate courses across Engineering and Technology, Business, and Science. Built on a foundation of strong collaboration with industry, Donegal offers flexible learning experiences that deliver real skills needed in the regional and national economy, particularly in areas of Technology, Nursing & Healthcare and Business Leadership.

### **Killybegs**

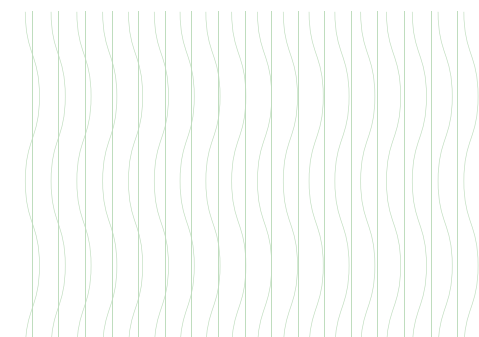
The Killybegs campus is in Ireland's premier fishing port which is rich in tradition and heritage. Students experience small class sizes and a personal approach to learning in a flexible and welcoming setting. The campus has an impressive reputation for delivering exceptional academic courses in culinary arts, hospitality and tourism.

### **Sligo**

As Ireland's leader in online learning, ATU Sligo works in collaboration with industry to offer a significant portfolio of flexible learning courses to meet skills needs within the region and beyond. With strengths in the Biopharma and MedTech sector, as well as accredited courses in Engineering, ATU Sligo offers students the opportunity to advance their career in a flexible and supported environment.

### **St Angelas**

Over 1,600 students study full-time, part-time or online with ATU St Angelas. Courses are delivered across a range of disciplines including Education, Special Education, Nursing, Health Sciences and Disability Studies and Home Economics, from Level 7 up to PhD Level 10. Students experience a personal approach to learning with many courses offering a balance of theory and practical elements to enhance their skills for the world of work.

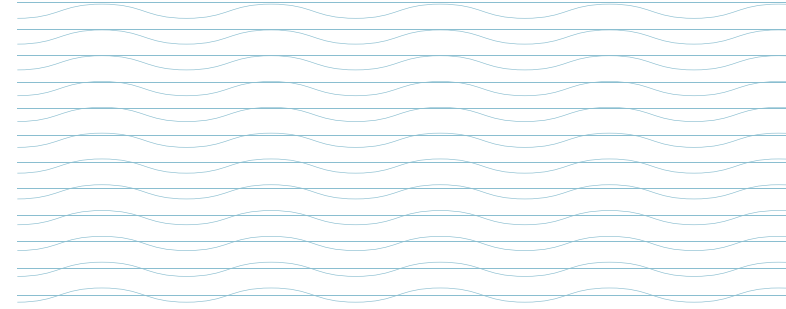




## Uasoiliúint le haghaidh Thodhchaí na hOibre

## Upskilling for the Future of Work

At ATU, we develop courses aligned to Industry and societal demand. Our graduates are equipped with the skills and confidence to progress in their chosen career, with excellent opportunities both nationally and internationally.



### Biopharma

With all of the top 10 global biopharmaceutical companies located in Ireland, industry demand for continuous professional development is evident. ATU is recognised as a leader in delivering accredited qualifications in areas of bioprocessing, biomedical science, biopharmaceutical and pharmaceutical science.



### Industry 4.0

Digitalisation is enabling a reinvention of manufacturing, increasingly moving towards automation and data exchange. Engineering for the future requires skills in automation, cybersecurity, sensor technology, cloud computing, big data and analytics.



### Medical Device Technology

As the top location in Europe for medical device manufacturers, Ireland needs to continuously invest in and develop professionals who can lead the industry.



### Project Management, Leadership & People Management

With rapid advancements in technology, industry is experiencing the greatest level of change since the Industrial Revolution. Developing leaders who are equipped to effectively manage complex change is essential to stay competitive in our global economy.



### Environmental Sustainability

Climate change, understanding our environmental responsibilities and developing strategies and practices to effectively manage our natural resources are relevant to individuals, society and industry. Local government, state agencies and industry are investing in technical knowledge, skills and resources to guide policy, monitor and manage change.



### Health, Nutrition & Food Innovation

Delivering effective public health strategies on health promotion, exercise and nutrition are all parts of the evolving remit of healthcare professionals. It is vital we continue to build skills in researching, analysing health data and develop leaders within our healthcare sector. Innovation and developing sustainable food systems are all part of the Climate Action plan to live as responsible global citizens.




### Educating for the Future

With the rapidly changing world of work, our Educators are responding with new inclusive and innovative teaching methods to improve access to education, developing supports to ensure students from early years to tertiary level achieve their potential.



### Digital Transformation

From analytics and DevOps to cybersecurity and software development, industry requires skilled technology teams to drive digital transformation. The global economy offers opportunities to graduates, regardless of location, to excel in the digital economy.



## Roghanna Staidéir Solúbtha Flexible Study Options

**We understand that many of our part-time, flexible learning students are juggling work and family commitments, in between learning.**

Our focus has always been to deliver a flexible learning experience designed to suit you and your life.

To help balance work, life, and flexible learning, it is important to understand the time that you will have to dedicate to your studies. This will help you to stay focused, reduce stress, and achieve your goals while also working full-time.

For part-time online or blended learning, it is recommended that you should try to allow for 5-6 hours per week per 5 credit module to your studies.

### **Online**

Learn online with ATU by attending live lectures through our online learning environment. Simply log on from work, home, or anywhere and be part of weekly lectures. Engage in discussions, live chat, and interact with fellow students and lecturers. Unable to attend? Recorded sessions are available within hours, so students can watch back at a time that suits them.

### **Blended**

Blended learning is a flexible way of completing your course of study, combining online aspects with in-classroom experience to allow for an accessible learning style. In a blended course, students may view lectures, access readings, ask questions and complete assignments online, so time in the classroom can focus more on discussion and activities.

### **On-Campus**

Some of our courses are available to study fully on-campus and students studying an on-campus course will have the full in-classroom experience at ATU. Students will learn and experience all the practical elements in the learning outcomes. Guest lectures, tutorials and residential workshops may also be accessible to online students either via live streaming or as recorded sessions.

### **Peer-to-Peer Learning**

Working collaboratively is part of the college experience and part-time learning is no different. Group learning and assignments encourage peer support and small classroom sizes ensure students are supported throughout the learning journey.

### **Micro-credentials**

Our Micro-credentials courses are short, accredited learning experiences that allow you to study flexibly and choose modules to suit your own professional development or skills needs. Micro-credentials are typically short in duration and time commitment and are usually 5, 10 or 15 credits. They are an ideal way to return to education, upskill in a new area, or further develop skills in a flexible manner.

### **Online Student Advisors**

As a flexible learner at ATU, you will receive help and support from our dedicated team of Online Student Advisors who will be there to assist you throughout your studies. They will be your first point of contact for any non-academic queries or questions you may have, and they can provide you with any further information, support or guidance you require throughout your application process and studies at ATU.

### **Student Supports**

No matter which study option you choose, Online, Flexible & Professional Development students have a range of supports available to them on their learning journey including access to academic writing and maths support, learning and disability support and library services.

# Cáilíochtaí Creidiúnaithe

## Accredited Qualifications



### General Entry Requirements

All courses have specific entry requirements that applicants must meet to be accepted onto the course. Depending upon entry level, some prior qualifications may be required, and/or certain subjects or industry experience, to gain admission. Full details on the entry requirements for all programmes can be found on the ATU website or by contacting our Admissions Team.

### Special Purpose Awards (SPA's)

An SPA in the NFQ is designed to provide learners with a specific set of skills and knowledge. These awards are typically short-term and designed to meet industry demands, in particular sectors. The total number of credits for an SPA may vary from programme to programme. SPAs usually awarded as a Certificate within a major award.

### Micro-credentials

At ATU, we offer a range of micro-credentials which are short, accredited courses that allow you to study flexibly and choose modules to suit your own professional development or skills needs. Micro-credentials offered by ATU are in the range of 5-15 ECTS credits. Students who complete a micro-credential are awarded a verifiable digital certificate.

### Conversion Courses

Conversion courses enable learners to pursue a new career-path, within an area which may differ from their original qualification. Conversion courses are made available in areas where there are known skills shortages e.g. Engineering, Automation, Computing, Biopharma, MedTech.

### Advanced Entry

Applicants may be able to gain entry to further stages of a programme where their previous educational profile, credits accumulated and experience are recognised.

Such applicants may be able to apply via the **Recognition of Prior Learning (RPL)** route, see [atu.ie/rpl](http://atu.ie/rpl). Applications are individually reviewed by our academic teams to ensure that students are matched to the correct level course, that suits their learning and career aims. Students may be advised to commence at a lower-level qualification, before progressing to a higher qualification in a stepwise approach.

### Progression

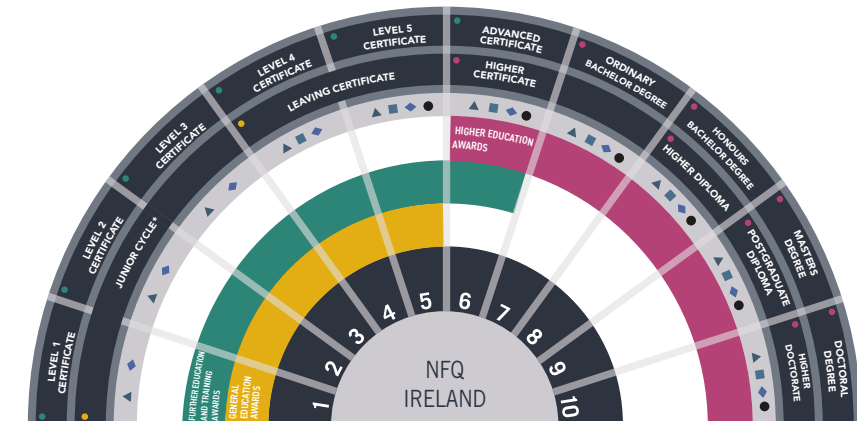
All ATU courses are aligned to the NFQ levels meaning you can enter a course at the level at which you are qualified to and build on your progress at a pace that suits you. Some students may choose to start at a Level 6 Certificate for instance, and graduate at that level or progress on to the next level within the same subject matter area. Other students, whose experience and academic history are given higher academic credits, may enter onto an Ordinary Degree (Level 7), an Honours Degree (Level 8) or a postgraduate qualification (Level 9).

### International Students

Online and flexible learning is open to students in any location. ATU has a growing international student population online. We welcome and support our global learning community through forums, live streaming, recorded lectures and group assignments. Student Advisors and a range of online student supports are on-hand to help navigate all aspects of distance learning.

EU and Non-EU students can access the **NARIC** service on [QQI.ie](http://QQI.ie) to help understand how their existing qualifications map onto the Irish NFQ.

Applicants, whose first language is not English, can learn more about the **English Language Requirements** on the ATU website.



### National Framework of Qualifications (NFQ)

ATU's courses and qualifications are aligned with the NFQ. The NFQ is a ten-level system (1-10) which gives an academic or vocational value to qualifications obtained in Ireland. NFQ levels help indicate how a qualification can be used for training, education and employment opportunities. As a Higher Education Institution (HEI), ATU provides awards at levels 6-10 of the NFQ.

Each level is based on nationally agreed standards of what a learner is expected to know and be able to do after receiving a qualification. Each level builds on the previous one and maps a pathway for learners to progress to higher level qualifications.

For further information on the NFQ, please visit: [QQI.ie](http://QQI.ie)

### ECTS Credits

The NFQ uses the European Credit Transfer and Accumulation System (**ECTS**) to measure and compare learning achievements across different qualifications. Credits represent the amount of learning achieved through a particular course or module and help learners to track their progress and build towards achieving higher level qualifications on the NFQ.

The ECTS also helps students to move between countries and to have their academic qualifications recognised by employers and HEIs. It allows credits taken at one HEI to be counted towards entry into another or to count towards an award, in another HEI.

### Irish Register Of Qualifications

For more information on qualifications, providers and courses visit [www.irqi.ie](http://www.irqi.ie)



Supported by the Erasmus+ Programme of the European Union



## Cúrsaí Nua New Courses

Each year, our academic teams research and develop new flexible learning courses that aim to extend our portfolio and to support upskilling in a range of areas in demand by industry, enterprise and the community.

Course Title	Study Area	Level	Campus
Masters in Cognitive Behavioural Psychotherapy	Science & Health	9	Letterkenny/Mayo/St Angelas
Post Graduate Diploma in Cognitive Behavioural Psychotherapy	Science & Health	9	Letterkenny/Mayo/St Angelas
Masters in Gerontology	Science & Health	9	Letterkenny/Mayo/St Angelas
Master of Science in Home Economics, Nutrition and Health Promotion	Science & Health	9	St Angelas
Masters in Sustainable Tourism & Event Management	Business	9	Sligo
Masters in Professional Nursing	Science & Health	9	Mayo
Masters of Arts in Digital Media Design	Education, Art & Humanities	9	Sligo
Postgraduate Certificate in Data Science	Engineering & Technology	9	Sligo
Bachelor of Engineering (Honours) Mechatronic Systems WBL	Engineering & Technology	8	Sligo
Masters in Business Analytics	Business	9	Galway City
Masters in Digital Professional Accounting	Business	9	Galway City
Masters in Education Practice	Education, Art & Humanities	9	Galway - Connemara
Masters in Documentary	Education, Art & Humanities	9	Galway City - Wellpark Rd
Masters in Creative Media Technologies	Education, Art & Humanities	9	Galway City - Wellpark Rd
Masters in Design Practice	Education, Art & Humanities	9	Galway City - Wellpark Rd
Masters in Advanced Wood Manufacturing	Education, Art & Humanities	9	Galway - Connemara
Masters of Science in Fire Safety Engineering	Engineering & Technology	9	Letterkenny
Masters of Science in Quantity Surveying	Engineering & Technology	9	Letterkenny
Masters of Science in Advanced Manufacturing	Engineering & Technology	9	Letterkenny
Masters of Engineering in Electric Vehicle Engineering	Engineering & Technology	9	Letterkenny
Bachelor of Engineering in Operations Management	Engineering & Technology	8	Sligo



# Liosta Cúrsaí

## Course List



# Gnó Business



Bachelor of Business (Honours)

## Business

This programme provides returning learners with a very positive and stimulating learning experience. An integral part of the programme is the focus towards applied and work based learning and learners will be equipped with a diverse and flexible range of skills and professional competencies suited to the modern world of business and enterprise.

### Key course details



#### Entry Requirements

Over 21 years by 1st January in the proposed year of entry and the successful completion of at least 5 subjects in the Irish Leaving Certificate (or an equivalent international exam). Maths and either English or Irish are required. Candidates who do not meet the above entry requirement may be admitted to the programme on the grounds of mature years (Over 23 by 1st January in the proposed year of entry), if they have attained appropriate experience and attainment thresholds deemed equivalent.



#### Study Hours

Delivery is blended with classes on campus in Letterkenny on a Monday evening from 6-10pm, and online classes on a Wednesday evening from 6-9pm.



#### Examination & Assessment

This programme is assessed through a blend of continuous assessment and final exams.



#### On-Campus Attendance

Delivery is blended with classes on campus in Letterkenny on a Monday evening from 6-10pm, and online classes on a Wednesday evening from 6-9pm.



#### Who should apply?

This degree programme has been specifically designed to suit mature learners. It provides the opportunity for those who would like to get back to education and achieve a degree in business but can't attend a fulltime course.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

Level: 8

Credits: 240

Duration: 3 years

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: Letterkenny

Total fees: €9600

Recognition of Prior Learning ✓

### What will I study?

#### Modules

Learner Development and Study Skills

Management Principles

Personal Finance

Entrepreneurship and Innovation Management

Ethics, Social Responsibility and Sustainable Development

Managerial Behaviour & Effectiveness

Foundation of Economics

Business Strategy

Leadership and Managing Change

Human Resource Management

\*For the full list of Modules, please see the programme web page.

# 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. This programme provides upskilling for those involved in any aspect of business, particularly in the areas of management, marketing, supply chain, eBusiness and finance.

## Key course details



### Entry Requirements

Applicants are required to have a Level 7 Ordinary degree in a business-related discipline or equivalent 180 ECTS achieved up to Level 7.



### Study Hours

This can vary by semester but it is recommended to allow for a total of 10-12 hours of both live lecture and independent learning per week.



### Examination & Assessment

Students will be assessed through a mix of multiple-choice quizzes, practical assessments, and final exams.



### On-Campus Attendance

Some modules have final exams that students resident in Ireland are required to attend (Either Sligo or Dublin venues).



### Who should apply?

This programme provides upskilling for those involved in any aspect of business, particularly in the areas of management, marketing, supply chain, eBusiness and finance.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

Level: 8

Credits: 60

Duration: 2 years

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €4200

Recognition of Prior Learning ✓

## What will I study?

### Modules

Strategic Marketing  
Management

Strategic Human Resource  
Management

Supply Chain Management  
Strategy

Business Finance

Marketing Planning

E-business and Innovation

Financial analysis and  
interpretation

Macroeconomics

# Business

The Higher Certificate in Business is a two year flexible, part-time programme which offers candidates a qualification in general business culminating in a widely recognised and highly regarded award. Once the graduate completes the qualification, they will have a general understanding of how business organisations work in the public and private sector.

## Key course details



### Entry Requirements

Applicants under 23 require five Leaving Certificate subjects (or equivalent) at grade D including Mathematics and English or Irish. Applicants over 23 will be considered on prior relevant experience and/or motivation for taking the programme. Applicants with other qualifications and with relevant work experience may also be considered through the Recognised Prior Learning (RPL) process.



### Study Hours

2-3 hours of live lectures per module with typically 5-6 hours per week of independent learning or study per module.



### Examination & Assessment

Final exams, assignments, project and group work, online quizzes, case studies and online assessments.



### On-Campus Attendance

No attendance required.



### Who should apply?

Those looking to acquire the broad business skills that will enable them to obtain employment across a wide range of business environments at administrative or junior entry level or improve their work skills. This very well established part-time programme has been a stepping stone for many students entering the business world.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

Level: 6

Credits: 120

Duration: 2 years

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €6000

Recognition of Prior Learning ✓

## What will I study?

### Modules

Business Mathematics

Personal Effectiveness &  
Employability

Marketing

Introduction to Economics

Business Management

Customer Service

Introduction to Financial  
Accounting

Law for Business

Computer Applications 1

Management Accounting

Organisational Behaviour

Computer Applications 2

Higher Diploma

# Business Analytics

This is a graduate conversion programme designed to provide the skills necessary to convert into a specific area of skills demand highlighted by industry and government. It focuses on the development of skills and expertise in Business Analytics. The skills and knowledge that learners will gain from this course prepare them to explore and analyze business data using a range of state-of-the-art tools and techniques. It also generates valuable insights to enable informed decision making to drive innovation and performance while also equipping graduates with the necessary competencies to tackle an array of real-world analytics problems.

## Key course details



### Entry Requirements

A Bachelor degree at Level 8 in any discipline is the minimum entry requirement for this programme.



### Study Hours

The average weekly contact hours are 20 per semester plus 5-10 additional self-study hours.



### Examination & Assessment

For all modules, continuous assessments are used. There are no terminal examinations.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

The course is aimed at Level 8 graduates and will enable students to apply business analysis and business intelligence techniques, tools and practices to their own discipline. This programme stands apart from the application of Data Analytics in other disciplines, where the core focus is geared towards gathering raw data from a variety of sources and performing a technical analysis by way of algorithmic design and complex mathematical modelling.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Galway City

**Total fees:** €6200

90% Springboard funding available

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Business Analytics

Database Design and Development

Programming and Scripting

Statistics for Business Analytics

Applied Systems Analysis

Post Relational Databases

Decision Theory and Data Visualisation

Information Systems Development

Business Intelligence

Cloud Infrastructure and Enterprise Services

Professional Practice Project

\*Exit award available



## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Applied Digital Business)**

This programme aims to upskill business professionals with the theoretical and practical application of current and emerging technology. This will enable a new generation of digital leaders to drive technology and innovation throughout their organisations. As part of the programme, students will explore the application of learning over the programme into real-life professional practice. Key aspects of the student learning experience is the flexible model of learning, innovation, contemporary modules, practical and applied elements along with industry-lead projects.

## Key course details



### Entry Requirements

Second Class Honours (NFQ, Level 8) in any business discipline

OR

Second Class Honours (NFQ, Level 8) in any discipline plus 3 years experience in a management/supervisor role which will be subject to consideration under Recognition of Prior Learning (RPL).



### Study Hours

Students will attend online lectures two nights per week from 6-9pm each semester. Students will need to complete 12 hours of independent learning per week for each semester. Online lectures are recorded and available to students for the duration of the programme.



### Examination & Assessment

The programme is focused on applying theory in practice and will include the completion of essays, work-based projects, reflective journals, learning logs and the demonstration of practical skills. There are no end of semester examinations.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for business professionals looking to upskill with the theoretical and practical application of current and emerging technology.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Business Analytics  
Emerging Technologies and Applications  
Networking  
Cloud and CyberSecurity  
Digital Customer Experience

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4800

Agile Software Project Management  
Design Thinking for Innovation  
Research Methods  
Agile Business Solutions  
Digital Business Strategy

### Masters of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Research Dissertation/Practicum

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
saoirse.kennedy@atu.ie

Higher Diploma

# Finance and Technology (FinTech)

The Higher Diploma in Business in Finance & Technology is a conversion course into the FinTech Industry - a one-year course, delivered 100% online, designed to equip students with the core knowledge, skills and competencies to pursue a successful career as a FinTech professional in the financial services industry.

## Key course details



### Entry Requirements

A Level 8 Honours Degree in Business/Finance/Economics/Mathematics or Computing or in a related discipline with at least 30 credits in Business, Finance, Economics, Mathematics or Computing, minimum second class honours (2.2).



### Study Hours

The recommended allowance for personal study and reading time for a Level 8, 10 credit module is 10-12 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

Individuals seeking to specialize in the Fintech Sector.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of Prior Learning** X

## What will I study?

### Modules

The FinTech Industry

The Capital Markets

Financial Systems Analysis

Software Engineering for FinTech

Blockchain Technology

Innovation and Application

Financial Services Regulation

Elective: Work Based Learning

Elective: Applied Project

Postgraduate Certificate

# Financial Management and Sustainability

This programme centres around the idea that finance, sustainability of business, society, and strategy are interconnected, where the success of one supports the success of the other. Students will have an opportunity to gain knowledge in broad areas of financial management, client management, strategy and sustainability. Students will be able to critique the importance of governance and ethical practice and consider how they can apply this to practice.

## Key course details



### Entry Requirements

This programme is open to applicants with an Honours degree (Level 8), with evidence of a 2.2 classification or higher.



### Study Hours

Students can expect to attend online lectures two evenings per week. Students will need to complete 5-6 hours of independent learning per week for each module. Online lectures are recorded and available to students for the duration of the programme.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for professionals in roles of leading, change, and strategy or aspiring to work in those roles in the financial services sector.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3390

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Financial Management

Sustainable Finance

Strategy and Practice

Client Management

# Innovation in Fintech

This course is unique in combining knowledge of the latest trends in the fintech industry with design thinking, innovation and entrepreneurship, key skills in this dynamic sector. The programme, developed in consultation with industry, has a strong emphasis on communication and influencing to substantially develop the capability of graduates as innovating leaders of the future.

## Key course details



### Entry Requirements

Applicants must be currently employed in the FinTech sector and hold a Level 8 degree in a FinTech related area, or an equivalent qualification. Applicants may also be eligible to apply on the grounds of Recognition of Prior Learning (RPL).



### Study Hours

Recommended 25-30 study hours per week, which includes lecture hours and self-guided study hours.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

Professionals looking to specialize in a senior Fintech role.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €7200

HCI part-funding may be available for this course.

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

FinTech (Financial Services & Emerging Technologies)

Innovation & Entrepreneurship

Design Thinking

Financial Services Regulations

Culture, Communication & Influencing

Action & Enquiry

Elective: Dissertation/ Work Based Learning Project

Certificate

# Management and Leadership

The Level 7 Certificate in Management and Leadership has been designed to equip participants with the core knowledge, skills and competencies to develop as a manager and leader.

## Key course details



### Entry Requirements

5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/ H7), OR QQIFET Level 5, OR equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry) if they have attained appropriate experience and attainment thresholds deemed equivalent.



### Study Hours

Recommended 10-12 study hours per week, which includes lecture hours and self-guided study hours.



### Examination & Assessment

Coursework in this module will consist of a mix of assessment approaches, such as: reports, practicals, presentations, portfolios, class tests, quizzes, group work and integrated assessment. The Work Based Learning module is a project/report where students apply in a practical manner, the knowledge, skills and competencies gained through formal study of both prior modules.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme aims to support those in a supervisory or management role who may be experts in their field (eg manufacturing, science, engineering, ICT etc), but have no prior exposure to management and leadership teachings.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €1050

**Recognition of Prior Learning** ✗

## What will I study?

### Modules

Management

Leadership

Applied Learning- Work Based Learning

# Management Applications

This programme is aimed at those working in or considering a career in business. It focuses on the practical skills and knowledge required to enhance performance in a business environment. Students will acquire the broad business skills that will enable them to obtain employment across a wide range of business environments at administrative or junior management entry level.

## Key course details



### Entry Requirements

Applicants should hold a Level 6 Higher Certificate (previously called National Certificate) in Business (or cognate area).



### Study Hours

Students will receive a schedule for live online lectures in advance of the course start date (live lecturers will be scheduled for week nights only, Mon-Thurs). All live online lectures will take place from 7pm - 9.15pm. If the Live Classroom scheduled times for the live online lectures do not suit you, recordings will be made available through Moodle.



### Examination & Assessment

The programme includes a significant amount of ongoing online assessments in each of the modules with some including final examinations. Students will also have the opportunity to complete a minor dissertation which is preceded by research methods seminar.



### On-Campus Attendance

No attendance required.



### Who should apply?

Typically, graduates of this programme enhance their career prospects in management positions both in private and public sectors or use the programme as a stepping stone to enter the business world for the first time. Former graduates are now working in the manufacturing, retail and public service; others have set up highly successful businesses.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

People Management

Social Media & Digital Content

Financial Management & Control

Management

Research Skills

Economic Systems

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** Fees paid directly to Retail Ireland Skillnet

**Recognition of Prior Learning** X

## What will I study?

### Modules

Innovation and Digital Transformation

CSR and Sustainable Retail

Talent Strategy Management

Strategic Retail Management

Leadership Effectiveness

Change Management

# Retail Management Practice

This add-on programme has been developed in conjunction with many of Ireland's leading retail organisations and is based on national and international best practice in retail education. A particular strength of this programme is the guest presentations by retail experts during each module. The integration of practitioner and consultant materials informs and reinforces the academic modules.

## Key course details



### Entry Requirements

This is a one-year add-on Honours Degree programme for students who hold a Level 7 Bachelor of Business in Retail Management Practice or equivalent.



### Study Hours

The recommended independent learning for a Level 8, 10-credit module is 10-15 hours per week and 5-credit module is 5-7 hours per week.



### Examination & Assessment

Two modules have final exams. All other assessment is continuous in the form of essays and reports.



### On-Campus Attendance

19 days classes delivered from September - May in two blocks. 12 days classes take place in Griffith College, Wolfe Tone St. Dublin. The other 7 days are delivered online.



### Who should apply?

This programme is suitable for existing retail managers looking to upskill or those who wish to take up a position in retail management.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)



## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

The aim of this programme is to support the development of knowledge, skills, and competencies relevant and useful to HR professionals and non-HR professionals already in or aspiring to HR or other roles that involve working with, managing or leading people in organisations. Key areas covered include the World of Work, Resourcing and Talent Management, Personal and Professional Effectiveness, Strategic HRM, Strategic Reward Management, Strategic Employee Relations, Advanced Diversity and Inclusion and Advanced Employment Law.

## Key course details



### Entry Requirements

This programme is open to applicants with an Honours Degree (Level 8), with evidence of a 2.2 or higher. Candidates who do not meet the above are also welcome and may apply through the Recognition of Prior Learning (RPL).



### Study Hours

18 hours per week. This includes two nights of online lectures from 6-9 pm on each night and 12 hours of independent learning.



### Examination & Assessment

The programme is focused on applying theory in practice and will include the completion of essays, work-based projects, reflective journals, learning logs and the demonstration of practical skills. There are no end of semester examinations.



### On-Campus Attendance

A half-day on-site induction at the start of the programme.



### External Accrediting Body

Students who successfully complete the Post Graduate Diploma and/or the MSc in will gain Associate membership of the CIPD.



### Who should apply?

Professionals already working in or aspiring to work in HR roles. Also, non-HR professionals who are involved in working with, managing or leading people in organisations.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

The World of Work  
Resourcing and Talent Management  
Strategic HRM

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4800

Personal and Professional Effectiveness  
Strategic Employee Relations  
Strategic Reward Management

### Masters of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Research Methods  
Capstone Project  
Advanced Diversity and Inclusion (E)  
Advanced Employment Law (E)  
(E) = Elective Module

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
saoirse.kennedy@atu.ie



# Fiontraíocht & Dí Enterprise & Law

Master of Arts

## Governance and IT in Financial Services

This programme focuses on the development of knowledge around the financial services industry, principles of data protection, governance and ethics and information systems. Students will also develop skills around regulatory frameworks as well as IT security, compliance and privacy and risk management and audit. The Masters programme concludes with a capstone work based learning project based on situated learning and reflection. A Postgraduate Diploma qualification is also offered for this course where learners complete the same modules without the requirement to undertake the capstone Work Based Learning project.

### Key course details



#### Entry Requirements

Applicants require a second class honours grade (2.2) in a Level 8 Honours degree with a specialisation in law, business or IT. (A 2.1 grade is preferable)



#### Study Hours

It is recommended to allow independent learning of 10-12 hours per week for a 10-credit module and 5-6 hours for a 5-credit module.



#### Examination & Assessment

100% continuous assessment in the form of reports / essays.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This programme aims to meet the legal, compliance, governance and IT needs of financial services companies and has been developed in collaboration with key employers within the relevant industry. The course is designed to enhance skills, judgment and ability to apply the regulatory requirements in the management and practice of compliance.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 1.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €7200

HCI Pillar 3 Funding available for this course

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Financial Services Industry

Blockchain Technology and Practice

Principles of Information Systems

Governance Ethics & Regulation

Research Methods

Financial Services Regulation

IT Security, Compliance & Privacy

IT Risk Management & Audit

Work Based Learning

Bachelor of Arts (Honours)

# Human Resource Management

This four year honours degree equips students with the necessary tools to become highly skilled HRM professionals. Students will learn all aspects of people management from navigating employment law to developing remote and hybrid working policies and promoting employee engagement and well-being. The programme is accredited by CIPD and graduates are eligible to apply for Associate level CIPD Membership.

## Key course details



### Entry Requirements

There are specific entry requirements for each year of this course. For entry to Year 1, candidates may qualify on the basis of their Leaving Certificate and 2 years of broad work experience. For further information regarding entry requirements, please visit the course webpage. Note: students must also complete Year 3 and Year 4 to qualify for Associate CIPD Membership.



### Study Hours

It is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

This programme is assessed through a combination of continuous assessment and final examinations.



### On-Campus Attendance

Students will attend monthly lectures on campus (2 days per month, Thursday and Friday). In the intervening weeks students will learn online. Students will also have to attend two residential weekends (in November and January) which take place over a Saturday and Sunday.



### External Accrediting Body

Chartered Institute of Personnel & Development - CIPD



### Who should apply?

Suitable to those seeking entry or career progression in the areas of Human Resource Management.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 240

**Duration:** 4 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €12,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Academic & Professional Skills

Introduction to Management

Introduction to Accounting

Management for Supervisors

Analytics & Creating Value

Employment Law

Governance & Ethics

Employee Compensation

\*For the full list of Modules, please see the programme web page.

Master of Science

# Human Resource Management and Employee Relations

This programme is designed to give learners an interdisciplinary perspective on the management of people in organisations and to develop a distinctive combination of skills, knowledge and competencies around HRM & ER practice. It will expose learners to the range of tasks and challenges facing the modern HRM and/or ER manager and enable them to develop effective and efficient responses to those challenges.

## Key course details



### Entry Requirements

Applicants must hold a cognate Level 8 degree with a minimum grade classification of H2.2 or equivalent. Applicants with other qualifications and with relevant work experience may also be considered through ATU's Recognition of Prior Learning (RPL) process.



### Study Hours

Completion of a Masters degree requires significant commitment of time and effort. Full-time students can expect to attend approximately 12 hours of classes each week and it is recommended that students are prepared to commit another 24 hours for independent study. Part-time students should expect to commit half that amount of time.



### Examination & Assessment

The dominant approach is frequent coursework assessment (CA) that will take place throughout the semester. However, some formal exams will take place after the teaching semester which reduces the assessment workload on students during the semester.



### On-Campus Attendance

Most modules have on-site hours, one module is taught fully online and some modules are blended.



### Who should apply?

This programme will be attractive to anyone seeking to take the lead in Human Resource Management or Employee Relations in an organisation or anyone who interacts with and manages people in general. In addition, it will be of interest to final year undergraduates, who wish to develop their people skills further and complete an independent study on a HR/ER topic of their choosing. Learners will be exposed to a range of tasks and challenges facing managers and the goal is to develop graduates who will maximise value through employees and provide an effective response to changing labour market conditions.

Blended

**Level:** 9

**Credits:** 90

**Duration:** 1/2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Competing Perspectives in People Management

Employment Law, Mediation and Negotiation

Human Resource Analytics & Information Systems

Organisational Analysis & Management

Labour Economics and Policy

Employee Relations in an International Context

Research Methods

Strategic Talent Management

Managing Learning & Development

Change and Sustainability

Contemporary Issues in Human Resource Management

Dissertation

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Diploma

# Human Resources and Employment Law

There is an increasing requirement for small and medium-sized business owners, managers, and HR personnel to have an up-to-date knowledge of employment law and policy. This fast-paced and rapidly changing area is no longer only the remit of the HR manager, instead it has become an area which all managers require the knowledge and skills to structure the workplace in a manner likely to avoid legal problems and enhance employee well-being. This programme will equip workers, managers and business owners with the requisite legal knowledge and skills to succeed in the increasingly complex legal arena of employment law and HR.

## Key course details



### Entry Requirements

Applicants require 5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/H7), OR QQIFET Level 5, OR equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry).



### Study Hours

This programme is delivered online, 3 hours per week with two days block online per semester. It is recommended that students should allow 10-12 hours per week per 10 credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

The programme has been suitable for private and public sector workers seeking to upskill and keep abreast of legal and contemporary issues in this frequently changing area and is now fully CIPD accredited. Graduates from this part-time programme will be equipped with a skill set that will enable them to succeed as managers, business owners and employees.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of**

**Prior Learning** ✓

## What will I study?

### Modules

Recruitment & Selection

Human Resource Management

Employment Legislation and Policies

Equality Law

Employee Relations

Employee Well-Being

Master of Business

# Innovation and Leadership

The course is structured over two years and delivered over two day blocks with additional online learning. An integral part of the programme is action learning within the candidate's own workplace. This approach enhances the use of specialist knowledge in practice and recognises the shared relationship between management theory and professional practice. The programme creates an environment in which participants can engage in knowledge development based on their work context. It is essentially a practical programme, with rigorous theoretical underpinnings, which draws on the real-life experience of its participants.

## Key course details



### Entry Requirements

The entry requirement is an Honours Degree, minimum of Second Class Honours, Grade 2 or equivalent and at least three years relevant management experience. In exceptional circumstances, applicants not holding a degree but having significant experience as a Senior Manager will be eligible for admission to the programme.



### Study Hours

The recommended study hours per week for a 10-credit module is 10 hours.



### Examination & Assessment

6 x 100% continuous assessments in the form of reports followed by an Action Learning Dissertation in the last six months.



### On-Campus Attendance

24 days for module delivery plus 6 days for Action Learning Set meetings.



### Who should apply?

Our Master of Business in Innovation & Leadership is designed to develop the leadership talent of managers to deliver significant business impact in their organisations. This part-time programme has been developed in consultation with industry. It aims to substantially develop the capability of executive managers as innovating leaders within their organisations.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €13,000

**Recognition of**

**Prior Learning** ✓

## What will I study?

### Modules

Organisational Context

Innovation

Managing People & Change

Leadership

Professional Development

The Learning Organisation

Dissertation

Master of Science

# Leadership and Innovation in the Public Sector

This programme aims to deliver a range of learning experiences that empower participants to develop their knowledge, understanding and applied skills in the field of innovation and transformational change within the delivery of public services. It aims to challenge participants to move beyond the passive absorption of information through critical analysis and reflection and towards innovative, strategic and transformational management initiatives within their sponsoring organization.

## Key course details



### Entry Requirements

The entry requirement is a second-class honours degree or better from a university of the United Kingdom or the Republic of Ireland, from the Council for National Academic Awards, the Higher Education and Training Awards Council, or from an institution of another country which has been recognised as being of an equivalent standard; and be in relevant employment within the Public Services.



### Examination & Assessment

Assessment is assignment based and centred on work issues.



### On-Campus Attendance

This programme comprises 6 taught modules. Each module is block delivered over 2 days with additional delivery online and a Research Project.



### Who should apply?

The course is directed at managers at Grade 7 / Assistant Principal Officer grade or equivalent, charged with delivering strategic, transformational change through clear mission and innovative leadership.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Letterkenny

**Total fees:** €9960

**Recognition of Prior Learning** X

## What will I study?

### Modules

Context of Leadership, Innovation & Transformation

Transformational Leadership

Citizens Centric Policy Design

Research Project

Change and Cultural Management

Digital Transformation & Shared Services

Performance Management

Higher Diploma

# Leadership and Wellbeing in the Workplace

This innovative programme is designed to enable managers and employees across all sectors to integrate wellbeing into their working environments. Leadership in areas such as wellbeing is becoming increasingly important for companies to maintain a content and productive workforce. The programme equips graduates to lead, integrate and promote wellbeing among their staff and peers. Students can elect to do one or many modules. Each module is a standalone Certificate.

## Key course details



### Entry Requirements

Applicants require a QQI Level 8 award, or equivalent qualification, and/or relevant life and work experience, or a QQI Level 7 award and three years of relevant experience.



### Study Hours

Students can expect 4-5 taught hours per week with recommended independent learning of 12 hours per week, per module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

The programme is suitable for a wide variety of managers and employees across all sectors seeking to integrate wellbeing into their working environments.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 1/2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €3300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Leadership and Behaviour Change

Employee Mental Wellbeing

Digital Wellbeing

Physical Activity and Wellbeing Promotion

Citizenship in the Workplace

Employability

# Professional Leadership

## Award Options

- **Master of Arts**
- **Postgraduate Certificate**

This programme is aimed towards students with significant management experience who wish to pursue an academic award to assist with career progression, demonstrate a commitment to continued learning, gain a competitive edge and to expand knowledge and skills in professional leadership and those who are changing or diversifying in their career. The aim of this programme is to support the development of knowledge, skills and competencies, relevant and useful to professional leadership roles within modern organisations. Strategic thinking, leadership styles, strategies, capabilities and competencies are examined, critiqued and applied to complex problems.

## Key course details



### Entry Requirements

Applicants should hold a 2.2 Honours degree award in any discipline. It is preferable applicants will also have a minimum of 3 years of postgraduate experience. For applicants with no formal third level qualification but do have significant experience of leadership in organisations, ATU Sligo's formal RPL process can be used to assess the suitability of applicants for entry into the programme.



### Study Hours

Live lectures are Tuesday and Thursday evening between 6pm and 10pm. It is recommended that students spend approx. 4.25 hours per week per 5-credit module independent learning.



### Examination & Assessment

Primarily continuous assessment, with one exam.



### On-Campus Attendance

No attendance required, however students are invited to attend Sligo Campus for one day per semester.



### Who should apply?

This programme is suitable for those seeking career progression for both early career leaders and more established professionals, attracting students from many industries and sectors including public, private and NGO.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €3000

Year 1  
 Financial Management  
 Understanding Leadership  
 Organisational Psychology  
 Strategy and Practice  
 Research Design & Development  
 Leading and Managing Remote Teams (E)  
 Business Sustainability and Human Rights (E)  
 Corporate Governance (E)  
 Emerging Trends in Leading & Leadership (E)  
 Strategic Leadership and Planning (E)

(E) = Elective Module

### Masters of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €9000

Research Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
 saoirse.kennedy@atu.ie

# Strategy, Enterprise & Innovation

This programme has been designed to produce a rounded business graduate who will be able to undertake a variety of roles in an organisation, and, who will possess the transversal skills and understanding of business that is required in challenging times. The programme supports learners to develop advanced core competencies and skills in strategy and business innovation and develop into professional practitioners by bridging business theory and professional practice.

## Key course details



### Entry Requirements

Applicants require Level 8 Honours degree (min 2.2) in a Business discipline (or an undergraduate programme where business subjects account for at least 50% of the subjects).



### Study Hours

The recommended personal study time for a 5-credit module at Level 9 is 10 hours per week and for a 10-credit module it is 20 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those looking to develop their career in the field of business management, with a focus on developing and implementing strategies for growth and innovation.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## Online

**Level:** 9

**Credits:** 90

**Duration:** 1/2 years

### Study Mode:

**Part-time:** Yes

**Full-time:** Yes

### Delivery Method:

Online

**Campus:** Letterkenny

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Strategic Management

HRM and the Future of Work

Customer Experience Strategy  
Data Analytics

Research Methods

Organisational Transformation

Innovation and the  
Entrepreneurial Mindset

Ethics, Social Responsibility and  
Sustainability

Strategic Decision Making

Dissertation OR Work Based  
Learning Research Project

## Certificate

# Supervisory Management

This course provides participants with the knowledge and skills required to manage people and other resources on a daily basis in order to help achieve management objectives. Students will gain knowledge in the areas of personnel management, communication, planning, organising, leadership, motivation and evaluation and business skills.

## Key course details



### Entry Requirements

The minimum Leaving Certificate entry requirement is Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points. A pass in any QQI FET Major award at Level 5 or 6 will meet the minimum entry requirement for this programme. International students holding cognate qualifications at the appropriate level will be considered for entry. Mature applicants are welcome and encouraged to apply. For further details on entry requirements for mature applicants, please see the course webpage. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme or gain exemptions.



### Study Hours

Lectures normally take place between 9am to 6pm on the Thursday and Friday of the scheduled block classes throughout the academic year. Normally, recordings and study material will be uploaded for online learning between in-classroom dates. It is recommended that you should try to allocate time outside work and programme studies to study for each of your modules on the programme.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Students will attend on campus classroom-based learning for approximately two days per month throughout the academic year (nine / ten blocks in total). These on campus block classes take place on a Thursday and a Friday.



### Who should apply?

Suitable to those seeking career progression in the area of Supervisory Management.

## Blended

**Level:** 7

**Credits:** 60

**Duration:** 1 year

### Study Mode:

**Part-time:** Yes

**Full-time:** No

### Delivery Method:

Blended

**Campus:** Mayo

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Management for Supervisors

Law for Human Resource  
Management

Financial and Economic  
Environment

Work Based Project

Elective: Managing Operations

Elective: Managing Services

## Course Contacts

### Admissions:

[learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

# Supply Chain Analytics

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

Supply chain analytics is used to identify current and predict future risks by spotting patterns and trends throughout the supply chain. This programme is focused on how to make decisions about the organisation and management of the movement, transformation, and storage of flows of goods, people, data, and money as to meet certain performance criteria across a supply chain.

## Key course details



### Entry Requirements

Applicants require an Honours degree with first or second-class honours or an equivalent qualification in Computing, Science, Engineering, Business, Finance or Mathematics or any associated discipline. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect between 10 and 20 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Full-time attendance.



### Who should apply?

This course will be of particular interest to students who wish to understand how supply chains work and to use advanced analytics techniques to extract valuable knowledge from vast amounts of data, facilitating data-driven decision making at supply chain level. They will become part of increasingly multi-skilled teams that are responsible for planning and managing large scale supply chains. The course will also be relevant to anyone with an interest in how supply chains work. Student may come from a variety of backgrounds such as Computing, Science, Engineering, Mathematics, Business and Finance. Participants registered on this programme will generally aspire to a career in the logistics/supply chain management/analytics field.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

Supply Chain Management  
Global Logistics  
Operations Management  
Data Modelling & Business Intelligence  
Data Analytics & Visualisation  
Supply Chain Analytics Project

### Masters of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Dissertation

Online/On-Campus

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online or On-Campus

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

### Student Advisor:

Tricia Fitzpatrick:  
tricia.fitzpatrick@atu.ie



Master of Science

# Sustainability Leadership

This programme has been developed by a cross-disciplinary team in the context of the global climate and biodiversity crisis and the imminent need for organisations to respond to this. The aim of this programme is to provide a critical understanding of the complex social, economic, and environmental challenges facing society and the interrelatedness of these challenges. The programme aims to develop strategic, critical and systems thinking competencies in leaders to embed sustainability into organisational practices and decisions. It focuses on the knowledge, skills, and competencies specific to sustainability leadership and facilitate integration with the professional context of the individual student.

## Key course details



### Entry Requirements

Applicants must hold a Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent. Given the cross disciplinary nature of the programme, applicants may be from a range of disciplines. It is expected that applicants will have experience in an organisational environment and will be in a position to lead a sustainability related change.



### Study Hours

The programme is delivered with monthly workshops with directed e-learning in-between, approximately 10-12 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Attendance is required for monthly block delivery.



### Who should apply?

This programme is suitable for those in a position with the capacity to lead sustainability related initiatives in their organisations or to lead specific sustainability projects.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 1.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Understanding the Sustainability Challenges

Assessing the Impact

Sustainability Leadership & Change

Exit: Postgraduate Certificate

Critical Thinking & Decision Making

Strategic Management for Sustainability

Governance for Sustainability

Exit: Postgraduate Diploma

Sustainability Project

Certificate

# Sustainable Development Goals: Partnership, People, Planet and Prosperity

The aim of this programme is to introduce the theory and application of the United Nations Sustainable Development Goals (SDG) with a particular focus on their application in the regional context. The programme aims to build core knowledge and develop a thorough awareness of the SDG framework.

## Key course details



### Entry Requirements

Minimum entry requirements for enrolment into an ATU programme or via the mature student route.



### Study Hours

3-5 hours per module (This will depend on the base level of knowledge of sustainability and the SDGs).



### Examination & Assessment

Each module is assessed through a combination of multiple choice questions (MCQs) and the completion and submission of one formal piece of submitted project work at the end of the semester.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is designed in a way that makes it suitable for learners from any disciplinary or working background. It aims to develop knowledge and encourage reflection on how the SDG framework can be applied in a local context to promote the implementation of environmentally sustainable, living and working practices, that support a just transition to more equitable society.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Online Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Online

**Level:** 6

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Mayo

**Total fees:** €840

Free places available funded under HCI bursaries.

**Recognition of Prior Learning** X

## What will I study?

### Modules

The SDGs and Partnership

The SDGs and People

The SDGs and Planet

The SDGs and Prosperity

# Turasóireacht & Margaiócht Tourism & Marketing



Certificate

## Applied Marketing and Design

The Certificate in Applied Marketing & Design will provide learners with an introduction to the founding concepts of marketing theory and the core principles, processes and elements of design. Learners will be introduced to the pillars of marketing strategy, along with an introduction to digital marketing tools. They will develop an understanding of a user-centred design process, visual building blocks of effective design, along with an understanding of narrative.

### Key course details



#### Entry Requirements

5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/ H7), OR QQIFET Level 5, OR equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry).



#### Study Hours

The recommended allowance for personal study/reading time for a Level 7, 10-credit module is 10-12 hours per week.



#### Examination & Assessment

100% continuous assessment.



#### Who should apply?

This programme is suitable for a wide range of participants including those working in a start-up or SME, self-employed, or anyone working in a communications/marketing role in a large organisation.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 7

**Credits:** 20

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €1000

**Recognition of Prior Learning** X

### What will I study?

#### Modules

Marketing in a Business Context

Design in Business

# Digital Marketing

The aim of this programme is to equip learners with the knowledge and skills to develop digital marketing practices to the highest standard. The student will combine leading-edge knowledge, within the digital marketing arena, with a practical insights approach to practice. The programme will reflect modern contextual challenges from digital marketing effectiveness to commercial considerations. Throughout the programme, the learner considers the theoretical development of marketing combined with an appreciation of marketing as a profession, with a particular emphasis on the area of digital marketing.

## Key course details



### Entry Requirements

Applicants should have a Bachelor of Business Studies (Honours) Level 8 2.2 minimum or above. Applications will also be considered from graduates with the following:

1. Level 7 Bachelor of Business Studies (Ordinary) plus 3 years relevant marketing work experience that will be subject to consideration under ATU's Recognition of Prior Learning (RPL).
2. Other Level 8 (Honours) primary degrees in any discipline plus 3 years relevant work experience in a management/supervisory role.



### Study Hours

Students can expect to have a maximum of 5 hours of lectures per week plus additional time to dedicate to reading and projects as required.



### Examination & Assessment

Assessments will vary between project work, reports and a final examination. Most modules are assessed using 100% continuous assessment and one module also has a final exam.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

The learner profile for this award is expected to be those working in a management and/or marketing role looking to upskill with an aim of personal development and improving the effectiveness and efficiency of their marketing competencies. In addition to learners already in employment, this course is also intended for suitable graduates progressing from undergraduate level who wish to focus on marketing.

Online

Level: 9

Credits: 30

Duration: 1 year

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Sligo

Total fees: €2400

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Business Analytics

Digital Marketing

Digital Customer Experience

Design Thinking for Innovation

Digital Brand Management

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
saoirse.kennedy@atu.ie

Certificate

# Digital Marketing Practice

This 13-week, part-time, online programme aims to equip students with the practical skills to research, plan, create, publish, promote and analyse digital marketing content that will engage with customers and stand out on digital platforms. This includes familiarising students with popular digital marketing techniques used by marketing professionals to identify and target custom market segments. Students will have the opportunity to explore multiple digital/social media tools and techniques used by marketing executives to manage and measure the influence and success of digital and social media campaigns.

## Key course details



### Entry Requirements

Leaving Certificate performance only, where minimum entry requirements for Level 6 programmes will apply.



### Study Hours

There will be four modules, each with a 1-hour live lecture, each week. For part-time online learning, it is recommended that students allow for 4-6 hours per week per 5-credit modules to their studies.



### Examination & Assessment

All modules on this programme are assessed using 100% continuous assessment during the semester. The continuous assessment will vary from MCQs to project work.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is very practical in nature and is aimed at those who may currently be undertaking a small amount of digital marketing but need to gain the skills to be able to build, manage, monitor and report on the success of their digital marketing activity.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Saoirse Kennedy: saoirse.kennedy@atu.ie

Online

Level: 6

Credits: 20

Duration: 1 semester

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Sligo

Total fees: €1500

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Search Engine Marketing

Introduction

Digital Marketing Analytics

Content Creation

Digital &amp; Social Media Planning

Master of Science

# Digital Media and Marketing

The aim of this programme is to develop participants' ability to use digital media as part of an integrated data-driven strategic marketing planning process aimed at reaching overall sustainable business objectives. In addition to enhancing participants' understanding of the strategic potential of digital media, this course also aims to bolster participants' ability to rigorously conduct market research and implement digital media and technology-enabled marketing strategies, developing their practical and analytical digital skills with their strategic marketing skills and knowledge.

## Key course details



### Entry Requirements

Candidates must hold a Level 8 Bachelor (Honours) degree with a minimum grade classification of H2.2 or equivalent in Marketing, IT/Computing, Business, Graphic Design, Communications or cognate area. Candidates who do not meet this entry criteria will be considered for entry to the programme under a formalised process of Recognition of Prior Learning (RPL).



### Study Hours

It is recommended that students should allow for a minimum of 6 to 8 hours per week for self-study in addition to attendance of live online lectures.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

This programme is not on campus; the programme is delivered online. However, there is a weekly online live attendance requirement as follows: 2 x lunchtime hours and 1 x evening hour. There is also a monthly live online attendance requirement as follows: 2 days per month (full days from 9am to 5pm) for the months of January-May, and September-December.



### Who should apply?

This award is suitable to those seeking career progression in the areas of digital marketing, media content creation and digital entrepreneurship.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

**Student Advisor:** Eileen O'Hara: eileen.ohara@atu.ie

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Search Engine Analytics

Visualisation for Strategic Decision Making

Marketing Strategy Theory and Application

Digital Content and Marketing Technology

Research Methods and Critical Analysis

Dissertation with Work Based Learning Project

Bachelor of Arts (Honours)

# Hospitality Management (WBL)

This programme is designed as a strategic learner development model. Participants will utilise their existing place of employment as an immersive learning and training environment, applying academic & industry knowledge to real-life workplace issues and continuous improvement projects.

## Key course details



### Entry Requirements

Irish Leaving Certificate. Minimum Points Score 160. Minimum Five O6/H7. English/ Irish O6/H7. Candidates who do not hold these qualifications can also apply based on RPL.



### Study Hours

This programme typically involves six hours of weekly online contact, between live lectures and asynchronous learning. Additional learning takes place in the participants' existing hospitality workplace.



### Examination & Assessment

Learners are assessed via a series of Work-Based-Learning (WBL) projects/portfolios.



### On-Campus Attendance

This is primarily a Work-Based-Learning (WBL) Honours Degree, with approx. 90% of its content delivered online. Participants will be required to attend an ATU campus for a maximum of 2/3 days of in-person lectures per semester. These lectures will be scheduled as one-block per semester, and at industry off-peak times, with minimum impact on existing work commitments between learners and their respective employers.



### External Accrediting Body

Programme is supported by Fáilte Ireland and the Irish Hotels Federation (I.H.F.).



### Who should apply?

This programme is targeted towards those already working within the hospitality industry, who are eager to fast-track their management career. Suitable for senior staff; supervisors; duty managers; heads of departments; and deputy GMs in hotels, restaurants, bars, event venues and accommodation providers.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 8

**Credits:** 240

**Duration:** 3.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Killybegs

**Total fees:** €12,600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Food & Beverage Studies

Hospitality Cost Control

Professional Skills for the Hospitality Industry

Front Office Operations

Accommodation & Sustainable Facilities Management

Sales & Marketing

Supervisory Management & Organisational Behaviour

Human Resource Practice & Functions

Staff Training & Development

Introduction to Revenue Management

Principles of Operations Management

Strategic Talent Management & Employee Legislation

Strategic Management

Hospitality Management and Accounting Finance

# Lifestyle Retail and Digital Marketing

This course develops students' skills in strategically marketing and creating content to increase sales for lifestyle retail stores. Students will discover how to strategically market, apply creative practices, produce visual content and present online and offline solutions that communicates an effective digital marketing solution to maximise sales. Lifestyle stores including department stores, fashion or sports stores, pharmacy, homeware, speciality food stores, book stores, jewellery and many more, recognise the requirement to employ strategic and creative marketing individuals to meet the ever-evolving demands for retail success.

## Key course details



### Entry Requirements

Applicants must hold a Leaving Certificate or Level 6 equivalent. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry). RPL will also be considered.



### Study Hours

12 hours.



### Examination & Assessment

Presentation or project portfolio based.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for anyone working in retail or wishing to work in lifestyle retail with a view to developing skills in strategically marketing and creating content to increase sales.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of Prior Learning** X

## What will I study?

### Modules

Creative Direction & Strategic Management

Brand Communication for Lifestyle Retail

Digital Content Creation for Lifestyle Retail

Digital Marketing for Omni Channel Marketing Solutions



# Marketing

## Award Options

- Master of Science
- Postgraduate Diploma
- Postgraduate Certificate

The aim of this programme is to equip learners with high-level knowledge and a high degree of expertise to develop marketing practices to the highest standard. The student will synthesise leading-edge knowledge within the marketing discipline complimented by practical insights and approaches to practice. The programme will reflect contemporary contextual challenges from digital, to marketing effectiveness, to commercial considerations.

## Key course details



### Entry Requirements

Applicants should have a Bachelor of Business Studies (Honours) Level 8 2.2 minimum or above. Applications will also be considered from graduates with a Level 7 Bachelor of Business Studies (Ordinary) plus 3 years relevant marketing work experience that will be subject to consideration under ATU's Recognition of Prior Learning (RPL). Applications are also welcome from graduates with Level 8 (Honours) primary degrees in any discipline plus 3 years relevant work experience in a management/supervisory role.



### Study Hours

For the part-time study of the MSc in Marketing, there will be two to three modules per semester. Each will have two to three hours of live online lectures per week. Live lectures normally take place after 6pm, Monday to Thursday.



### Examination & Assessment

Assessments will vary between project work, reports and a final examination. Most modules are assessed using 100% continuous assessment and some modules also have a final exam.



### On-Campus Attendance

No attendance required.



### Who should apply?

While the programme will be of interest to a wide and varied audience in business and marketing fields, the specific career and career advancement opportunities that the award supports include digital marketing; online marketing; brand promotion; marketing analytics; experiential marketing; international sales & marketing; strategic marketing; customer relations; product development; market researcher; relationship marketing and management and Corporate Social Responsibility and Sustainability.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Emerging Technologies and Applications  
Research Methods  
Digital Sales  
Strategic Marketing  
CSR and Sustainability in Marketing

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €4800

Business Analytics  
Digital Marketing  
Digital Customer Experience  
Design Thinking for Innovation  
Digital Brand Management

### Masters of Science

**Duration:** 2/3 years

**Credits:** 90

**Total fees:** €7200

Dissertation or Capstone Project

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
saoirse.kennedy@atu.ie

## Master of Science Marketing

The aim of this programme is to equip learners with high-level knowledge and a high degree of expertise to develop marketing practices to the highest standard. The student will synthesise leading-edge knowledge within the marketing discipline complimented by a practical insights approach to practice. The programme will reflect contemporary contextual challenges from digital, to marketing effectiveness, to commercial considerations.

### Key course details



#### Entry Requirements

Applicants should have a Bachelor of Business Studies (Honours) Level 8 2.2 minimum or above. Applications will also be considered from graduates with a Level 7 Bachelor of Business Studies (Ordinary) plus 3 years relevant marketing work experience that will be subject to consideration under ATU's Recognition of Prior Learning (RPL). Applications are also welcome from graduates with Level 8 (Honours) primary degrees in any discipline plus 3 years relevant work experience in a management/supervisory role.



#### Study Hours

For the full-time study of the MSc in Marketing, there will be five to six modules per semester. Each will have two to three hours of live online lectures per week. Live lectures normally take place after 6pm, Monday to Thursday.



#### Examination & Assessment

Assessments will vary between project work, reports and a final examination. Most modules are assessed using 100% continuous assessment and some modules also have a final exam.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

While the programme will be of interest to a wide and varied audience in business and marketing fields, the specific career and career advancement opportunities that the award supports include digital marketing; online marketing ; brand promotion; marketing analytics; experiential marketing; international sales & marketing; strategic marketing; customer relations; product development; market researcher; relationship marketing and management and Corporate Social Responsibility and Sustainability.

Online

**Level:** 9

**Credits:** 90

**Duration:** 1 year

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Business Analytics  
Digital Marketing  
Digital Customer Experience  
Design Thinking for Innovation  
Digital Brand Management  
Digital Sales  
Emerging Technologies and Applications  
Research Methods  
Strategic Marketing  
CSR and Sustainability in Marketing  
Dissertation or Capstone Project

### Course Contacts

**Admissions:**  
admissions.sligo@atu.ie

**Student Advisor:**  
Saoirse Kennedy:  
saoirse.kennedy@atu.ie

Certificate

## National Tour Guiding

The aim of this programme is to provide learners with an understanding of the skills required to provide a range of professional guiding services for industry. It also provides knowledge on how to deliver and manage a comprehensive tour management and guiding service for tourists visiting and travelling in Ireland.

### Key course details



#### Entry Requirements

5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/H7), or a QQI FET Level 5, or equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry).



#### Study Hours

It is recommended that students should try to allow for 10-12 hours study per week per 10-credit module.



#### Examination & Assessment

Coursework and final exam.



#### On-Campus Attendance

Killybegs Campus.



#### Who should apply?

This programme is suitable for anyone interested in working in the tourism activity sector providing a range of professional guiding services for visitors. It is also suitable for anyone interested in delivering and managing a comprehensive tour management and guiding service for tourists visiting and travelling in Ireland.

### Course Contacts

**Admissions:** admissions.donegal@atu.ie

On-campus

**Level:** 6

**Credits:** 30

**Duration:** 18 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-campus

**Campus:** Killybegs

**Total fees:** €1200

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Irish History, Culture and Heritage  
Guiding Practice  
Tour Management in Ireland

Certificate

# Pastry and Baking

This programme provides learners with the knowledge, skills and competencies required to work in a pastry or baking specialist department in a professional kitchen or retail setting. This is achieved by providing learners with the essential practical skills and knowledge required of modern day pastry and baking professionals.

## Key course details



### Entry Requirements

Applicants require a minimum Leaving Certificate requirement of Grade O6/H7 or better in five subjects including Mathematics and English or Irish with a minimum of 160 points. Candidates in possession of QQI Level 5 qualification, or a QQI Level 6 qualification are eligible for entry. Mature student entry is encouraged.



### Study Hours

Eight hours of in person classes per week. Students are expected to undertake self-directed learning using theory supports.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Mandatory attendance one full day per week for the academic year.



### Who should apply?

This programme is suitable for individuals wishing to specialise in the art of pastry and baking, or individuals who are working in a culinary environment but wishing to upskill in the area of pastry and baking.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 6

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1700

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

The Art of Pastry and Baking 1

The Art of Pastry and Baking 2

Bachelor of Arts (Honours)

# Professional Kitchen Management

This programme equips learners with techniques which will enable them to become more efficient in the operation of their kitchen, thereby improving the overall kitchen performance. The course covers concepts such as sustainability, food wastage, costing, food purchasing, along with revenue management, talent acquisition and the management of staff.

## Key course details



### Entry Requirements

Applicants must have a relevant Level 7 award with 180 ECTS credits and appropriate learning outcomes in culinary or a related area. Equivalent qualifications will be considered.



### Study Hours

It is recommended that students should try to allow for 10-12 hours study per week per 10 credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

6 days during the academic year at Killybegs campus.



### Who should apply?

This programme is suitable for anyone interested in progressing to management level in the culinary field or those currently working in a managerial role who would like to develop their general education and business skills. The programme is best suited to those who have already acquired a significant amount of culinary education or culinary experience and are interested in progressing their career in the hospitality industry.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Killybegs

**Total fees:** €3300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Contemporary Diet & Nutrition

Strategic Workforce Management and Wellbeing

Lean Six Sigma for Hospitality

QA & Food Regulatory Affairs

Kitchen Revenue Management

Applied Business Project



Certificate

# Regional Guiding

This programme provides participants with the professional, social, technical and administrative skills necessary to offer a quality guiding service to domestic and overseas visitors. The programme would be suited to those who have an appreciation and genuine interest in their locality and enjoy sharing their pride of place with others.

## Key course details



### Entry Requirements

5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/ H7), or a QQI FET Level 5, or an equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry).



### Study Hours

It is recommended that students should try to allow for 10-12 hours study per week per 10-credit module.



### Examination & Assessment

Coursework and final exam.



### On-Campus Attendance

Mandatory attendance at the Killybegs Campus.



### Who should apply?

This programme would suit those interested in working in the tourism activity sector providing a range of professional guiding services for visitors. The programme would suit those with experience of the tourism industry or those who may be considering a change of career.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

On-campus

**Level:** 6

**Credits:** 20

**Duration:** 14 weeks

### Study Mode:

**Part-time:** Yes

**Full-time:** No

### Delivery Method:

On-campus

**Campus:** Killybegs

**Total fees:** €1000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Irish History, Culture and Heritage

Guiding Practice

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

### Study Mode:

**Part-time:** Yes

**Full-time:** No

### Delivery Method:

Online

**Campus:** Killybegs

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introduction to Revenue Management Applications

Strategic Revenue Management

Work Based Learning

Certificate

# Revenue Management for Tourism Enterprises

The aim of this course is to provide learners with an understanding of the nature, concepts and skills required in the operation of a tourism enterprise and provide a working knowledge of how to design, implement and apply revenue management techniques.

## Key course details



### Entry Requirements

Applicants require 5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/H7), or a QQIFET Level 5, or equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry).



### Study Hours

It is recommended that students should try to allow 10-12 hours of study per week per 10 credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for individuals looking to progress their career and address the specialised skills shortages in revenue management and strategy implementation in rooms division, food and beverage outlets, spas, golf courses, meetings and conference venues.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Certificate

# Social Media and Web Marketing for the Tourism Sector

This programme provides learners with both theoretical and practical skills to work effectively in marketing in the tourism and hospitality sector. It covers the strategic planning of social media, website, email, and advertising aspects of marketing, as well as giving hands on practice in these areas.

## Key course details



### Entry Requirements

Applicants require 5 O6/H7 in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/H7), or a QQI FET Level 5, or equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry) if they are deemed to have attained appropriate education and experience.



### Study Hours

Independent learning of 10-12 hours per week is recommended for a 10-credit module and 5-6 hours per week for a 5-credit module.



### Examination & Assessment

This course uses a combination of external certificates such as the HubSpot email marketing certificate, as well as reports, blogs, reflection's and portfolios.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for anyone interested in progressing their career in marketing in the tourism and hospitality sector. It is designed to suit those wishing to strengthen their marketing expertise as well as those just beginning in this area.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Killybegs

**Total fees:** €2200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Tourism Social Media Planning and Practices

Tourism Web Performance and Analytics

Work Based Learning

Certificate in Business

# Social Media Marketing

This part-time online programme aims to equip learners with the practical skills to research, plan, create, publish and analyse social media content that will engage with customers and stand out on social media. This includes familiarising students with social media software used by marketing professionals to identify and target custom market segments. Students will have the opportunity to explore multiple social media tools and techniques used by marketing executives to manage and measure the influence and success of social media campaigns.

## Key course details



### Entry Requirements

The second-level school leaver on the basis of Leaving Certificate performance only where minimum university entry requirements for Level 6 programmes will apply.



### Study Hours

There are three modules, with a total of four live lectures every week. For part-time online learning, it is recommended that to allow for 4-6 hours per week per 5-credit modules to your studies.



### Examination & Assessment

All modules on this programme are assessed using 100% continuous assessment. The continuous assessment varies from MCQs to project work.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is very practical in nature and is aimed at those who may currently be undertaking a small amount of social media marketing duties but need to gain the skills to be able to build, manage, monitor and report on the success of their social media marketing activity.

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:** Saoirse Kennedy: saoirse.kennedy@atu.ie

Online

**Level:** 6

**Credits:** 20

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Social Media Software and Analytics

Content Creation

Digital & Social Media Planning

# Dearadh & Tionscail Chruthaitheachta Design & Creative Industries



Higher Diploma

## 3D Modelling and Animation

There are many production pipelines in industry that require content developed for specific purposes. Game assets will differ from feature animation for example; SFX and compositing assets will differ from architectural visualisation. This course, however, reconciles these forms of content creation and teaches the similarities and differences in creating for each.

### Key course details



#### Entry Requirements

Applicants must hold a Leaving Certificate or Level 6 equivalent. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry). RPL will also be considered.



#### Study Hours

Students can expect 30 total study hours per week.



#### Examination & Assessment

Assessment is based on ongoing, project based marking.



#### On-Campus Attendance

3 days per week attendance at the Letterkenny Campus.



#### Who should apply?

This programme is suitable for those seeking to pursue a career in a variety of sectors including animation companies, games industry, live action/special effects, AR and VR content development, architectural visualisation and advertising.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €3300

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Concept Art for 3D

3D Modelling and Sculpting

Texturing and Rendering

Rigging and Animation

Work Based Learning

Final Project (Asset Integration)

Postgraduate Certificate

# 3D Modelling for Emerging Technologies

The development of new platforms in the entertainment and interaction fields, and the hunger for new experiences from consumers has meant the need for content creation is increasing exponentially month on month. In particular one area of content development has been insatiable, the 3D asset pipeline. This pipeline forms the basis for this 3D and emerging technologies programme.

## Key course details



### Entry Requirements

Applicants require a Level 8 degree in a relevant discipline, or an equivalent qualification from an overseas higher education institution.



### Study Hours

24 hours per week.



### Examination & Assessment

The assessment for this certificate is 100% project based. There will be continuous assessment throughout and marks will be awarded at different milestones during project development.



### On-Campus Attendance

2 days per semester.



### Who should apply?

This course is best suited to people looking to upskill into 3D content development for new and emerging technologies or those looking for an introduction into the pathway of 3D content development.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 40

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

3D Modelling and Sculpting

3D Texturing and Rendering

Emerging Technologies (Research)

Emerging Technologies (Development)

Postgraduate Certificate

# Applied Brand Strategy and Identity

This programme will enable students to design, develop and manage strategically-led and visually-coherent brand communication campaigns. The programme has a practical focus where students will apply an understanding of brand strategy and design to their own professional practice or business context. They utilise the design process to create communication campaigns that help differentiate a brand and resonate with audiences.

## Key course details



### Entry Requirements

Applicants require an Honours degree (min 2.2) in related discipline or equivalent. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

3 hours online 'contact' per module, as well as a recommended 5 hours self-directed learning.



### Examination & Assessment

Assessments will involve presentations, submission of projects and small exercises.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is suitable for people who want to move in to a career in design. They may want to gain a deeper insight in to how brands are developed, and to apply an understanding of brand to their own business context. They may also want to better understand how to brief and work with designers and learn how to design and build a fully functional website.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Brand Strategy

Applied Brand Identity

Applied Website Design & Development

Postgraduate Certificate

# AR and VR for Creative Industries

This course gives designers and technologists an introduction to creating content for the emerging technologies of AR (Augmented Reality) and VR (Virtual Reality). The programme will allow artists and designers to create content for these rising technologies using tools and platforms that will feel familiar to them and allow deployment to the key platforms.

## Key course details



### Entry Requirements

Applicants require a degree in a related discipline.



### Study Hours

Students can expect 30 total study hours per week.



### Examination & Assessment

The assessment is project based throughout the semester.



### On-Campus Attendance

Optional attendance each week. Mandatory attendance at workshops once a month.



### Who should apply?

This programme is suitable for those wishing to gain the knowledge and skills required for content creation in the Augmented Reality and Virtual Reality fields.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

AR and VR Content Development

VR Experience Design

AR App Development for Designers

Master of Arts

# Creative Practice

This programme offers learners the opportunity to bring a piece of their practice in their chosen art-form(s) to a professional industry standard. The work will be supervised and guided by tutors who work in the industry.

## Key course details



### Entry Requirements

Applicants are required to submit a Statement of Intent outlining their primary art-form and their ambitions for the 18 months. Additionally, applicants must also upload a link to a portfolio of their work or a sample of their writing.



### Study Hours

Students can expect a total effort of 30 hours per week.



### Examination & Assessment

Assessment is on-going throughout the year, however, there is a greater emphasis on the final module which is valued at more than half the overall credits for the MA, which sees the learner produce a substantial piece of practice, which is showcased at the end of the Summer in front of an audience of creative practitioners. Some of the rubric assessment for the practice includes knowledge breadth, know-how, knowledge competence, and competence context.



### On-Campus Attendance

Mandatory attendance all day on Fridays.



### Who should apply?

This programme is suitable for anyone interested in Creative Practice in the Arts, Fine Arts, Writing and Literature, Screen Writing, Playwriting, Creative Design, Interior Design, Photography, Film Making, Theatre and Performance, Theatre Design.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

Blended

**Level:** 9

**Credits:** 90

**Duration:** 1.5 years

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Sligo

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Creative Practice Research Methods

Place, Space and Culture

Introduction to Dissertation

Interdisciplinary Craft and Technique

Creative Specialism

Practice Dissertation

# Creative Practice

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**

This programme offers artists, designers and filmmakers a creative and critically informed environment in which to develop and consolidate their practice. The course will support imaginative, experimental and interdisciplinary enquiry through a range of media and approaches.

## Key course details



### Entry Requirements

All qualified applicants with a relevant Level 8 qualification or equivalent will be short-listed for interview. Applicants must also provide a CV detailing their qualifications and career to date; a short visual record of previous work and a personal motivational statement which should include an outline of their plans and interests related to Creative Practice and potential Practice-Based Research.



### On-Campus Attendance

Participants may undertake the programme on a full-time basis, choosing to integrate their studies with their own practice. Some participants choose to base their practice on campus for the duration of the programme. Due to the flexible nature of the programme, participants can also opt to attend on-campus for lectures while continuing their practice from their own studio or workplace.



### Who should apply?

This programme offers artists, designers and filmmakers a creative and critically informed environment in which to develop and consolidate their practice.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1/2 years

**Credits:** 60

**Total fees:** €4200

Themes and Issues in Creative Practice  
Professional Development  
Research and Innovation  
Creative Practice Project

### Master of Arts

**Duration:** 1/2 years

**Credits:** 90

**Total fees:** €6300

Research Project (E)  
Creative Practice Project (E)  
Minor Thesis (E)

(E) = Elective Module

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Galway City

Wellpark Rd.

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

Master of Science

# Design and Innovation

This programme is designed for people who want to develop their innovation, design, management and leadership skills. Expertise developed through the programme will enhance careers in areas ranging from public services through to small businesses and large high tech multi-nationals. The course content has been inspired by the Stanford d. School's Design Thinking philosophy and is universally applicable.

## Key course details



### Entry Requirements

H2.2 Level 8 degree in any discipline. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Examination & Assessment

100% project-based with no exams.



### On-Campus Attendance

Classes will run on every second Saturday morning. These classes will be online, apart from 2 classes each semester which will be on campus in Galway. There will also be 2 one-hour classes online on weekday evenings.



### Who should apply?

This Masters programme is ideal for those who want to upskill for leadership roles in design and innovation; enhance their organisation's capacity to innovate in products, services and processes; collaborate with peers from a range of professional experiences and backgrounds and those seeking to future-proof their career and their organisation.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Design Thinking Principles and Processes

Product and Service Processes

Research Methods for Design and Innovation

Design Innovation Project

Dissertation in Design and Innovation

Bachelor of Arts (Honours)

# Interior Architecture and Design

The major focus this programme is a major Thesis Design Project of the student's choice that consolidates and showcases their design skills. In supporting modules, students strengthen their professional knowledge, explore their interests and refine their graduate portfolio in preparation for practice.

## Key course details



### Entry Requirements

Applicants must have obtained a merit 2 Level 7 degree or equivalent in a relevant discipline (e.g. Interior Design or Interior Architecture). Alternatively, equivalency in prior learning (RPL) and experience must be demonstrated through a criteria-matched digital portfolio of work and/or interview with portfolio.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those seeking to pursue a career as Interior Architects or Interior Designers, employed within interior architectural practices, interior design firms and architectural practices. Graduates can also find employment in the areas of Furniture Design, Lighting Design, Kitchen Design and Exhibition Design. Graduates' graphic skills can lead to employment in 3D visualisation.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

## Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Sligo

**Total fees:** €6600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Interior Architecture Studio V: Thesis Part I

Research for Design and the Arts I

Reflective Portfolio

Interior Architecture Studio VI: Thesis Part II

Research for Design and the Arts II

Professional Studies for Interior Architects

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**

The course is designed to enhance learner capabilities in User Experience (UX), Strategic Design Thinking Acumen, User Centred Clarity and Innovation. Graduates will gain knowledge of user experience design, UI, Emerging Technologies, visual communication skills, along with an insight into consumer behaviours.

## Key course details



### Entry Requirements

Standard applicants will present a qualification recognised by Quality and Qualifications Ireland (QQI) at Level 8 on the National Framework of Qualifications or equivalent. Applicants may also be eligible to apply on the grounds of Recognition of Prior Learning (PRL) if they have attained appropriate experience and attainment thresholds deemed equivalent to a Level 8 award.



### Study Hours

Students can expect 1 day per week in online Live classes (traditionally Fridays 9:30 - 4:30pm). The programme is broken down into two 12-week semesters plus a summer Work Based Learning Project. Students are also expected to complete tasks in their own time outside of class hours on individual and team projects.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme may be suitable for graduates from technical development and digital design backgrounds as well as Digitech management and leadership roles, current employees from the multinational and SME sectors in both technical and digital design capacity, plus unemployed graduates seeking to upskill.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

User Experience Design - UX  
 Consumer Behaviour & Digital Markets  
 Innovation & New Product Development  
 Research Methods  
 User Interface Design - UI  
 Emerging Technologies  
 Professional Development

### Master of Arts

**Duration:** 1.5 years

**Credits:** 90

**Total fees:** €7200

\*HCI Pillar 3 Funding available for this course

Work Based Learning Project

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.donegal@atu.ie



# Oideachas Education



Certificate

## Access Studies

This course is intended for students who have little or no formal education qualifications - for example, Junior or Leaving Certificate - who would like to ultimately continue to third level education.

### Key course details



#### Entry Requirements

Over 19 years by 1st of January in the proposed academic year of entry and have successfully completed at least 5 subjects in the Irish Leaving Certificate (or an equivalent international exam). Maths and either English or Irish are required. Candidates who do not meet the above entry requirement may be admitted to the programme on the grounds of mature years (Over 23 by 1st January in the proposed year of entry, Leaving Certificate Applied/FETAC Level 5).



#### Study Hours

Students should expect to allow for 5-6 study hours per week per 5 credit module.



#### On-Campus Attendance

Students may study in either On-campus or Blended Learning formats to suit their individual needs. For example, On-campus tuition will be provided over 9 hours per week and typically spread over 3 days throughout Semester 2.



#### Who should apply?

This course is intended for students who have little or no formal education qualifications - for example, Junior or Leaving Certificate - who would like to ultimately continue to third level education.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 6

**Credits:** 30

**Duration:** 13 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** Free

**Recognition of Prior Learning** X

### What will I study?

#### Modules

Everyday Numbers

Career Planning

Computing Studies (E)

Learning Skills & Personal Development (E)

Information Communications Technology (ICT) (E)

English Writing Skills (E)

(E) = Elective Module.

# Contemporary Innovations in Education

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme offers teachers and educational professionals a flexible and tailored programme of study in contemporary education, teaching and learning. The programme has been designed to deepen professional knowledge and understanding of contemporary educational theories, research, practices and innovations and their potential applications to a wide range of contexts, including schools, colleges and universities.

## Key course details



### Entry Requirements

Applicants will normally possess a Level 8 Undergraduate Degree (H2.2 or above) in Education or equivalent. Graduates applying from other related social sciences or arts/humanities disciplines will also be considered.



### Study Hours

Each 15 credit module holds a total participant effort of 300 hours. This usually encompasses contact hours, directed study and independent study.



### Examination & Assessment

Modules in stage 1 will normally be assessed by continuous assessment/written coursework. Stage 2 modules: Advanced Research Methods is assessed with a written dissertation proposal (maximum of 5,000 words). The Dissertation module requires the completion of a research dissertation (maximum of 20,000 words).



### On-Campus Attendance

Stage 1 modules: Whilst most modules in stage 1 have a blended delivery, for some, on campus attendance may be required for a one-day workshop/ lectures, usually on a Saturday. Stage 2 modules: The Advanced Research module is delivered exclusively online.



### Who should apply?

This programme is aimed at a wide range of graduates working in educational settings (e.g. primary, post-primary, higher education, adult and further education).

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €1800

Students complete 2 of the following modules:  
 Contemporary Psychology in the Classroom  
 Contemporary Trends in Learning and Assessment  
 Technology for Inclusion and Empowerment  
 Current Trends in Science Education  
 The Site of Justice? The Religious Education Teacher and the Classroom  
 The Fundamentals of Bilingualism and Bilingual Education  
 Religion  
 Education and Society  
 Tutoring and Supervising in Higher Education  
 \*Other elective modules available

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €3600

Students complete three of the modules listed above and an Advanced Research module.

### Master of Arts

**Duration:** 3 years

**Credits:** 90

**Total fees:** €7200

Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

Master of Education

# Home Economics

This interdisciplinary programme aims to enhance teaching, learning and research in Home Economics / Home Economics education and is the only masters level Home Economics qualification offered on the island of Ireland. The programme will facilitate participants to understand and critically evaluate contemporary educational policy and practices in Home Economics / Home Economics education and apply relevant knowledge, theory and research findings in order to inform and enhance their professional practice. It provides participants with an enriched and extended repertoire of discipline knowledge as well as skills for critical reflection.

## Key course details



### Entry Requirements

Applicants require a Bachelor of Education (Home Economics) Degree or an equivalent qualification in Home Economics at a minimum of H2.2 grade.



### Study Hours

Four online sessions take place per semester. 20 hours of total student effort is recommended per credit. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

Year 1 will be assessed through coursework. Year 2 is assessed by participating in Advanced Research and Study Skills workshops and completing a Dissertation in a selected area of interest.



### On-Campus Attendance

No attendance required.



### Who should apply?

This interdisciplinary postgraduate programme is designed to meet the personal and professional needs of Home Economics graduates. Applicants to this programme are Home Economists and/or qualified Home Economics teachers who wish to progress their professional development.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** St Angelas

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Professional Inquiry in Home Economics / Home Economics Education

Elective: Nutrition, Diet & Health

Elective: Family, Youth and Child Studies

Elective: Applied Studies in Fashion and Textile Craft Education

Research Methods

Advanced Research and Dissertation

Dissertation

On-campus

**Level:** 8

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-campus

**Campus:** St Angelas

**Total fees:** €5980

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Food Studies

Introduction to Textiles and Design

Family Resource Management and Consumer Empowerment

Philosophical Perspectives of Home Economics

Food Microbiology, Processing and Preservation

Food Studies: Food Science and Nutrition

Family Resource Management: The Family

Family Resource Management: The Family Home - Interior and Textiles Design

Textiles, Fashion and Design

Nutritional and Sensory Sciences

For the full list of Modules, refer to the programme webpage.

Professional Diploma

# Home Economics

This programme provides an opportunity for registered teachers of other subjects who have an interest in and passion for Home Economics, to acquire the knowledge, attitudes, and practical skills required to teach Home Economics at post primary level. The programme has a strong practical and theoretical focus. At the end of the programme, graduates will have acquired a deep understanding of Home Economics as a discipline and a field of practice.

## Key course details



### Entry Requirements

Applicants must be fully registered as a teacher with the Teaching Council of Ireland at the time of application and hold a Level 8 Honours Degree including a recognised post primary teaching qualification. Applicants who have a shortfall in their registration status as a Home Economics teacher with the Teaching Council of Ireland may also apply for programme entry.



### Study Hours

20 hours of total student effort is recommended per credit. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

A range of strategies will be used to assess theory and practice components of the programme.



### On-Campus Attendance

One day per week (Fridays) on-campus at the St. Angela's Campus.



### Who should apply?

This programme is suitable for fully registered teachers of other post-primary subjects who have an interest in and passion for Home Economics. The part-time scheduling of this programme allows applicants to qualify as a Home Economics teacher while maintaining their current teaching position, with the support of their school.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

# Leadership and Advocacy in the Early Years

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**

Through this programme students will develop key skills to help them build their own leadership and advocacy capacity, to shape and influence the key organisations and agencies in the early years sector and to effectively bring about real change.

## Key course details



### Entry Requirements

Applicants require a 2.2 BA Honours in Early Childhood or cognate discipline and will have at least two years experience working in the early years sector or a related field completed at the end of the programme of study. Where large numbers apply far exceeding available places shortlisting of applications for an interview may occur.



### Study Hours

Students can expect 3 hours of online lectures and 6-8 hours of individual study weekly.



### Examination & Assessment

Assessment of the programme will be through a broad variety of student-centered assessment techniques.



### On-Campus Attendance

The programme is structured around two modules each semester. Each semester includes an onsite residential programme at our Sligo campus.



### Who should apply?

This programme is suitable for anyone currently in or seeking to move into a leadership role in the Early Learning and Care sector e.g. Early Years Inspectorate, Better Start Mentors, Manager/Support and Development Staff of City and County Childcare Committees, Management/Leadership roles in Tusla, Management/Policy roles with National Voluntary Organisations, Lecturing, Management roles in Family Resource Centres and as managers of both private and community Early Years services.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4800

Pedagogical Leadership & Advocacy  
 Leadership in Practice for Early learning & Care Professionals  
 Children's Lives  
 Contemporary Psychology for Leadership & Advocacy in ECEC  
 Researching Leadership & Advocacy in the Early Years  
 Leading Interprofessional & Interagency Collaboration

### Master of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Organisations & Change  
 Research Project

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Saoirse Kennedy:  
 saoirse.kennedy@atu.ie

# Learning and Teaching

This course is designed to support the development of learning and teaching within third level, further education, post-primary and primary sectors. A key aspect of the course is the relationship between effective teaching and reflective practice; the imperative to reflect not only on what we should teach, but how effectively we teach. This course will enable students to critically analyse their own teaching practice, and offer a variety of pathways to complete a full Masters in learning and teaching.

## Key course details



### Entry Requirements

Level 8 Honours Degree, second class honours 2.2, (2.1 preferable) and currently involved in a teaching or training role. Applicants without an Honours degree, with relevant experience, may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

It is recommended to allow 5 hours per week per 5-credit module and 10 hours per week per 10-credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

One Saturday per semester.



### Who should apply?

This programme is suitable for teachers or educational professionals in early childhood, primary, secondary or third level and further education sectors who wish to enhance their professional development, reflect on their own practice and develop new techniques and/or leadership skills.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Letterkenny

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

The following are mandatory modules:

Learning, Teaching and Assessment

Enhanced Learning Through Technology

Inclusive Curriculum using Universal Design for Learning

Learning and Teaching with Creativity

Research Methods

Student can then choose from a number of electives.

# Outdoor Education, Sustainability and Well-being

This unique programme is the first post-graduate outdoor education award to be developed in Ireland. The programme fosters a strong philosophy of outdoor education across all modules utilising experiential approaches, residential experiences, journeying and other outdoor experiences. The programme embeds place-based learning within an Irish cultural and landscape context. Students will draw on the latest research and methodology to critically reflect on and develop their impact in their chosen specialist sector.

## Key course details



### Entry Requirements

Applicants must hold a Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent. Given the cross disciplinary nature of the programme, applicants may be from a range of disciplines.



### Study Hours

The programme is delivered with monthly workshops and enables flexibility. Each module will have directed e-learning between workshops, approximately 10-12 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

4 residential workshops per semester at the ATU Mayo Campus.



### Who should apply?

This programme is suitable for those seeking to lead sustainability, wellbeing and experiential education related initiatives in organisations that use, or would like to begin using, the outdoors. Present students are from a wide spectrum of backgrounds which encompass; education, healthcare, community work, adventure programming and outdoor education.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Education for Sustainability

Applied Research

Experiential Learning, Landscape and Place

Research Cycle

Dissertation / Applied Research Project

# Professional Studies in Special Educational Needs

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

The aim of this programme is to provide substantial theoretical and practical continuing professional development for those interested in or already working with learners with special educational needs.

Research methods are critical to successful study at MA level and will incorporate problem-solving activities, action research in professional contexts and the opportunity to link theory and practice in general and in terms of the execution of coursework. Participants accepted onto the Masters stage of the programme will have achieved an increased level of competence and confidence within the Professional Studies in Special Educational Needs pathway. They will also be looking forward to choosing the area of study for their MA dissertation and beginning to reflect on possible research methodologies for their dissertation.

## Key course details



### Entry Requirements

Applicants require a Level 8 undergraduate degree (H2.2) or equivalent.



### Study Hours

Each 15 credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

Continuous assessment will apply throughout the modules. This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment. Advanced research methods is assessed with a written dissertation proposal (maximum of 5,000 words). The Dissertation module requires the completion of a research dissertation (maximum of 20,000 words).



### On-Campus Attendance

Stage 1 modules will include a one-day workshop which may be delivered online or face to face. The Advanced Research module is delivered exclusively online in Semester 1, with the exception of one half-day on-campus workshop. This is held in late January, usually on a Saturday.



### Who should apply?

This programme is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €1800

Students select two modules from the following suite: Autism, Behaviours that Challenge, Educational Research Methods, General Learning Disabilities, Inclusion for Learning, Literacy, Numeracy

Specific Learning Difficulties 1 - Communication, Speech and Language Difficulties and Dyslexia

Specific Learning Difficulties 2 - Dyscalculia, Attention Deficit/Hyperactivity Disorder and Dyspraxia/Developmental Coordination Disorder

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €3600

Students complete four of the modules listed above.

### Master of Arts

**Duration:** 3 years

**Credits:** 90

**Total fees:** €7900

Advanced Research  
Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angeles

**Recognition of  
Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

Certificate

# Religious Education for Primary School

This programme aims to contribute to the theological and pedagogical development of qualified primary school teachers and other teachers of children of primary school age and to equip them with the necessary knowledge, understanding, skills and attitudes to teach Religious Education within Irish primary schools and for sacramental preparation.

## Key course details



### Entry Requirements

Applications are welcomed from qualified primary school teachers, or qualified post-primary school teachers who wish to transfer to primary school teaching. In addition, the programme may also be open to parents, sacramental preparation teams and parish catechists who have a specific interest in the area of primary religious education.



### Study Hours

Lectures are pre-recorded and delivered online for students to complete in their own time. There will also be two days of face-to-face lectures. Each 5 credit module holds a total student effort of 100 hours.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Two days of face-to-face lectures, across the academic year.



### Who should apply?

This programme is suitable for qualified primary school teachers, parents of primary school children and parish catechists working with children of primary school age. For those who have qualified to teach in a primary school, but have not received a Certificate in Catholic Primary Education, this programme meets the requirement as outlined by the Irish Bishops' Conference, and allows for career development, especially in the Catholic Primary sector.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 7

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €780

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Fundamental Theology and Foundational Ethics

Biblical Studies and Biblical Christology

Ecclesiology and Sacramental Theology

RE in the Primary School



# Special Education

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**

This programme is designed specifically to assist teachers in meeting the learning needs of students with special educational needs. The programme blends extensive theory and practice in relation to special and inclusive education. Participants accepted onto the Masters stage of the programme will have achieved an increased level of competence and confidence within the Professional Studies in Special Education pathway. They will also be looking forward to choosing the area of study for their MA dissertation and beginning to reflect on possible research methodologies for their dissertation.

## Key course details



### Entry Requirements

To be eligible, applicants must be graduates and qualified teachers registered with the Teaching Council of Ireland. Potential applicants must therefore have a designated teaching role in relation to students with special educational needs. The full eligibility requirements are outlined in the relevant Department of Education Circular. In order to be considered for the MA, applicants require an award of H2.2 or higher in the Postgraduate Diploma.



### Study Hours

During the 8-week block release live lectures normally take place between 9am and 4pm Monday to Thursday and 9am to 3.00pm Friday. Each 15 credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This programme is assessed through continuous assessment based on a variety of assessment methods. Advanced research methods is assessed with a written dissertation proposal (maximum of 5,000 words). The Dissertation module requires the completion of a research dissertation (maximum of 20,000 words).



### On-Campus Attendance

This programme includes a block release from school/ centre for a total of eight weeks for face-to-face lectures at the ATU St Angelas campus. The programme also includes online learning and attendance on a maximum of four Saturdays (virtual) during the year. It includes supervised work in the teachers' own schools/centres and supported ongoing study throughout the year using a variety of modes of delivery. The Advanced Research module is delivered exclusively online, with the exception of one half-day on-campus workshop. This is held in late January, usually on a Saturday.



### Who should apply?

This programme is designed for teachers who are eligible to apply under the terms of the Department of Education. The programme is for registered teachers who are currently working as Special Education Teachers in recognised primary schools including special schools and recognised post-primary schools. Applications are also invited from qualified teachers employed by ETBs as literacy/numeracy tutors in Youthreach, Community Projects or in the Prison Service.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** Department of Education funded

Inclusion: Perspectives and Implications for Practice  
Assessment  
Planning and Applications  
Curricular Issues for Special Educational Needs  
Implications of Educational Disability  
Specialist Study

### Master of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €4300

Advanced Research  
Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of  
Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie



# Special Educational Needs - Autism

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme is offered in partnership with the National Council for Special Education (NCSE) and the Special Education Section of the Department of Education (DE) for registered teachers of students with Autism. The programme will develop teachers' knowledge, understanding and skills in working with autistic students. Research methods are critical to successful study at MA level and will incorporate problem-solving activities, action research in professional contexts and the opportunity to link theory and practice in general and in terms of the execution of coursework. Participants accepted onto the Masters stage of the programme will have achieved an increased level of competence and confidence within the Professional Studies in Special Educational Needs - Autism pathway. They will also be looking forward to choosing the area of study for their MA dissertation and beginning to reflect on possible research methodologies for their dissertation.

## Key course details



### Entry Requirements

This programme is for registered teachers who are currently working with students with Autism or will be working with students with Autism for the duration of the programme in recognised Primary schools including Special schools and recognised Post-Primary schools. In order to be considered for the MA, applicants require an award of H2.2 or higher in the Postgraduate Diploma.



### Study Hours

Each 15 credit module holds a total participant effort of 300 hours. This usually encompasses contact hours, directed study, and independent study.



### Examination & Assessment

Participants will be assessed through a variety of continuous assessment methods, in addition to their work in schools through class visits. Advanced research methods is assessed with a written dissertation proposal (maximum of 5,000 words). The Dissertation module requires the completion of a research dissertation (maximum of 20,000 words).



### On-Campus Attendance

The Postgraduate Certificate requires a minimum of eighteen days release from school. The Postgraduate Diploma requires a minimum of thirty-seven days release from school. The Advanced Research module is delivered exclusively online, with the exception of one half-day on-campus workshop. This is held in late January, usually on a Saturday.



### Who should apply?

The programme is for registered teachers who are currently working with students with Autism or will be working with students with Autism for the duration of the programme in recognised Primary schools including Special schools and recognised Post-Primary schools.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €600\*

Understanding Autism: Theoretical Perspectives and Implications for Practice  
Engaging Autistic Students: Assessment and Planning for Teaching and Learning (E)  
Autistic Students: Teaching Approaches (E)  
(E) = Elective Module

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €1200\*

Students complete all three modules listed above, and:  
Supporting Autistic Students with reference to Emotional Regulation and Promotion of Positive Behaviour

### Master of Arts

**Duration:** 3 years

**Credits:** 90

**Total fees:** €5500

Advanced Research  
Dissertation

\* All elements within each module are funded by the Special Education Section of the Department of Education and Skills through the National Council for Special Education. Applicants will be responsible for payment of a fee of €300 per module and will be invoiced by ATU St Angelas.

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

# Specific Learning Difficulties

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

The aim of this programme is to provide substantial theoretical and practical continuing professional development for those interested in or already working with learners with special educational needs. Research methods are critical to successful study at MA level and will incorporate problem-solving activities, action research in professional contexts and the opportunity to link theory and practice in general and in terms of the execution of coursework. Participants accepted onto the Masters stage of the programme will have achieved an increased level of competence and confidence within the Specific Learning Difficulties pathway. They will also be looking forward to choosing the area of study for their MA dissertation and beginning to reflect on possible research methodologies for their dissertation.

## Key course details



### Entry Requirements

Applicants require a Level 8 undergraduate degree (H2.2) or equivalent. For students without the relevant academic qualification but with relevant previous experience, Recognition of Prior Learning can be awarded.



### Study Hours

Modules may employ a combination of online, face-to-face or blended delivery. Each 15 credit module holds a total participant effort of 300hours. This usually encompasses contact hours, directed study, and independent study.



### Examination & Assessment

Continuous assessment will apply throughout the module. This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment. Advanced Research Methods is assessed with a written dissertation proposal (maximum of 5,000 words). The Dissertation module requires the completion of a research dissertation (maximum of 20,000 words).



### On-Campus Attendance

Modules in the Postgraduate Certificate and Postgraduate Diploma Phase modules include a one-day workshop which may be delivered online or face-to-face. The Advanced Research module is delivered exclusively online, with the exception of one half-day on-campus workshop. This is held in late January, usually on a Saturday.



### Who should apply?

This programme is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €1800

Students select two modules from the following:

Literacy

Specific Learning Difficulties 1 - Communication, Speech and Language Difficulties and Dyslexia

Specific Learning Difficulties 2 - Dyscalculia, Attention Deficit/Hyperactivity Disorder and Dyspraxia/ Developmental Coordination Disorder

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €3600

Students complete all modules listed above, and:

Educational Research Methods

### Master of Arts

**Duration:** 3 years

**Credits:** 90

**Total fees:** €7900

Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

# Teaching and Learning

This suite of programmes has been designed for applicants who would like to gain a formal qualification in teaching and learning in Higher Education, and/or a qualification in Further Education. In addition, it is for those who wish to develop and enrich their own teaching and learning practices in the context of Continuous Professional Development (CPD).

## Key course details



### Entry Requirements

The entry requirement for undertaking the programme is an Honours Degree (H2.2) in any discipline. Applicants must be lecturing in Higher Education, since a lecturing placement is integral to programme delivery.



### On-Campus Attendance

Typically, students attend the campus one day per month from September to May (on a Thursday or a Friday, depending on the module).



### Who should apply?

Applicants must be lecturing in Higher Education, since a lecturing placement is integral to programme delivery.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 3 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Thesis in Education Science

Teaching and Learning Applied Project

Certificate in Teaching and Learning

Technology Enhanced Learning

Student Centred Learning (SCL)

The Research Cycle: Foundation

Education for Sustainability

Digital Teaching and Learning

Recognition of Prior Learning (RPL) Assessment

Assessment and Feedback

Mentoring

Professional Development Framework Portfolio (PDFP)

Postgraduate Supervisory Skills

UDL Curriculum Design

# Teaching, Learning and Assessment

This course is designed to support participants to adopt an inquiry-based approach to exploring challenges in teaching and learning in higher education. Participants will examine their pedagogy, practice and develop practical and practice skills to take into their learning environment. They will investigate aspects of teaching and learning that are particularly relevant to their role as professional educators, inclusive of programme development, delivery and assessment.

## Key course details



### Entry Requirements

Honours degree (Level 8), with evidence of a 2.2 grade or higher.

The programme is intended for those currently engaged with teaching, tutoring or training groups of students/ participants in the University and could, therefore, review their courses/ programmes and look for evidence of student learning. The minimum academic entry requirement is an undergraduate degree or equivalent. For Professional Staff - As an integral component of assessments involves inclusive improvements that are captured within the feedback process, the applicant's Head of Department must identify an academic for the participant to link with to access students. This form must be signed by the HoD and included as part of the application process.



### Study Hours

The programme consists of a weekly on-line lecture and tutorial. As this programme is delivered to academics and professionals in full time employment, lectures are recorded and uploaded to the class Moodle page at the beginning of the week which allows opportunity for students to listen to the lecture at times suitable to their work-load. Tutorials are live on Thursday evenings at 7pm.



### Examination & Assessment

This course is assessed via continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

The programme is intended for those currently engaged with teaching, tutoring or training groups of students/ participants in higher Education and can, therefore, review their courses/ programmes and look for evidence of student learning.

## Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Effective Teaching and Learning

Assessment and Feedback to Support Student Learning

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

# Transformative Practices in Equality, Diversity and Inclusion

## Award Options

- **Master of Arts**
- **Postgraduate Certificate**

This programme aims to respond to the requirement to understand a socially diverse and multi-cultural Ireland. It seeks to enhance the skills of learners so that they may be culturally, socially, and emotionally competent in equality, diversity, and inclusion practices. It also sets out to support learners to engage in transformative practice so that difference and inclusion can be rendered visible and celebrated in the framework of a positive affirmation of human diversity.

## Key course details



### Entry Requirements

Applicants must submit a personal statement outlining why they wish to undertake the programme. In the event of a surplus number of applicants, the personal statement will form the basis for selection of offers. Ideally, applicants will hold a Level 8 degree at H2.2 in any discipline.



### Study Hours

Live online lectures will take place over two half-days from 2pm until 6pm over the course of the academic year. The residential sessions will occur in week 6 and week 10 of each semester. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module for their studies.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Two residential sessions per semester.



### Who should apply?

The programme is designed to develop graduates who primarily will work in equality, diversity and inclusion related fields, but is also suitable for those seeking a broad understanding of contemporary equality and diversity issues.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Creative Pedagogy and Research  
Collective Transformation  
Law, Policy and Activism  
Histories of Inequality

### Master of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Community Engagement  
Preparation for Research/Action Project  
Power and knowledge  
Contemporary Issues in Equality  
Diversity and Inclusion  
Research / Action Project

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

## Award Options

- **Master of Arts**
- **Postgraduate Certificate**

Based in cognitive neurosciences, UDL focuses on designing curricula with variability and removing barriers through offering flexible options and proactively designing capacity building learning experiences. The programme carefully examines the neuro-educational research that UDL evidence in addressing how people learn. It will explore its implementation in a variety of contexts and critically examine it in practice success as support to inclusion and access.

In Year 2, the research component of the award extends this further, allowing students to action their learning in an in-depth and meaningful way. Students will develop the knowledge, skills and competencies required to conduct research in and on practice, considering and evaluating in practice implementation. This sustained piece of research culminates in the presentation of a thesis.

## Key course details



### Entry Requirements

Honours degree (Level 8), with evidence of a 2:2 or higher. For students progressing to the Masters in Universal Design for Learning, successful completion of the Postgraduate Certificate in Universal Design for Learning is a pre-requisite.



### Study Hours

The Masters semester runs over 30 weeks and comprises of the MA research project. Dissertation Supervisors are subject matter experts in your area and work with a co-supervisor who has expertise in inclusive teaching practice. You will be paired with Supervisor(s) that will provide guidance on a weekly basis throughout your research project.



### Examination & Assessment

All assessments on this programme are continuous assessment. This includes a creative project, e-portfolio and digital reflective journals. The objective of the research thesis is to provide an independent and critical appraisal of an issue in relation to Inclusive Practice. The research project will allow the learner to consider how to embed UDL within learning and the impact of this.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

The aim of this programme is to support educational personnel to develop a variety of teaching methods to lower any barriers to learning, by introducing more flexible methods of teaching, assessment, and service provision to cater for the diversity of learners in their classrooms.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Understanding the UDL Framework  
Implementation of UDL to Support Student Learning

### Master of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Research Project

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Na Dána & Eolaíochtaí Sóisialta Humanities & Social Sciences



## Higher Diploma in Science Counselling Studies

There are many teachers, particularly career guidance counsellors, HSE staff and allied healthcare staff who, as part of their job, require counselling skills. This course provides a pathway for such professionals who would like to pursue counselling as a secondary career choice.

### Key course details



#### Entry Requirements

Applicants require a QQI Level 8 on the National Framework of Qualifications or equivalent. Applicants must also be currently employed in a counselling role or have recent experience (within last five years) of employment either professionally or voluntarily in a role involving the use of counselling skills. Consideration will also be given to candidates who present with other suitable qualifications and experience in line with the RPL procedures.



#### Study Hours

3 hours per week per module.



#### Examination & Assessment

100% continuous assessment.



#### On-Campus Attendance

This programme is mostly delivered online on weekdays. However, each module may have a Saturday on campus workshop at the Letterkenny Campus.



#### Who should apply?

This programme is suitable for teachers, particularly career guidance counsellors, HSE staff and allied healthcare staff who, as part of their job, require counselling skills. This course provides a pathway for such professionals who would like to pursue counselling as a secondary career choice. Many of those interested in undertaking this programme would already be in employment which would or could have a counselling component thus it is envisaged this counselling qualification would support them in their current roles.

### Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €3300

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Counselling Skills and Theory

Cognitive Behavioural Approaches: Concept and Skills

Humanistic and Existential Approaches in Counselling

Supporting Clients through Change

Body Centred Counselling

Interpersonal and Intrapersonal Relationships

# Introductory Counselling Skills

Learners on this programme develop knowledge and practical skills in counselling, mental health, and personal development. This training helps them to perform more effectively as helpers in a variety of caring and pastoral roles and it prepares them to pursue further training in counselling and psychotherapy.

## Key course details



### Entry Requirements

Applicants must have a Leaving Certificate or equivalent and be at least 21 years old at the time of registration. Applicants must also successfully complete an interview at which they must demonstrate appropriate work, educational, and helper/ care experience. Two written character references will be required as well as successful completion of Garda Vetting.



### Study Hours

There are weekly online lectures in addition to the on campus workshops. Online classes usually take place on Wednesdays between 6pm and 9pm (this includes a 30 minute break) - covering 2 modules each evening. Outside of scheduled classes students typically spend 2 to 3 hours each week studying and completing assignments.



### Examination & Assessment

Assessment includes a variety of continuous assessment activities including essays, reflective writing, demonstrations, e-portfolio, group activities etc.



### On-Campus Attendance

There are 6 workshop days at the Sligo campus per semester. These are in 3 blocks of 2 days (Friday and Saturday) approximately once a month.



### Who should apply?

This programme is suitable for people working in many diverse front-facing, support, or interpersonal contexts. Examples include administration, childcare, community work, construction, creative arts, education, frontline roles, healthcare, hospitality, management, media, nursing, pastoral roles, health and beauty industry, caring work, and sport.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** [Saoirse.kennedy@atu.ie](mailto:Saoirse.kennedy@atu.ie)

Blended

**Level:** 6

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Sligo

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Personal Development A:  
Mindfulness and Self Awareness

Introduction to Counselling  
Theories

Counselling Skills 1:  
Foundational Helping Skills

Introductory Psychology for  
Counselling

Counselling Skills 2:  
Foundational Action Oriented  
Skills

Mental Health & Wellness

Personal Development B: Group  
and personal process work

Professional Studies for  
Counselling

# School Age Childcare

The suite of modules on this programme aims to provide students with the opportunity to acquire new skills or enhance existing skills and knowledge to improve their critically reflective professional practice, with children, parents, communities, colleagues and other relevant professionals is fundamental to achieving a competent system. The programme centres on relationships, leadership, supporting children to flourish and models of play. The programme has an applied focus, enabling participants to focus specifically on their own work context.

## Key course details



### Entry Requirements

Applicants require a NFQ Level 6 qualification. All students must be Garda vetted.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### Who should apply?

This programme is suitable for those seeking to work in School Age Childcare settings in Ireland as both leaders and managers.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Leaders of Today and of the  
Future

Applied Psychology Middle  
Childhood

Digital Technologies - Creativity,  
Safety and Leadership

Relationships, Partnerships and  
Wellbeing

Nature Pedagogy

Models of Play, Rest and  
Relaxation

## Award Options

- **Master of Arts**
- **Postgraduate Diploma**

This programme offers students the opportunity to critically analyse social care and social justice and explore its applications to a range of service and user groups to enhance their capacity to act as a force for progressive social change. Through this course, students are required to reflectively interrogate their own identities and positioning, developing practical skills for advocacy, lobbying and activism allowing them to lead and initiate change within a given area. The objective of the dissertation/research project is to provide an independent and critical appraisal of an issue related to social care and social justice.

## Key course details



### Entry Requirements

Applicants require a 2.2 Honours Degree in Social Care or a cognate discipline. It is also desirable for applicants to have two years of professional practice experience in a relevant field. An entry selection process will include these entry requirements, and submission of a sample of written work.



### Study Hours

Each module involves 18 hours of online classes and 18 hours of online workshops. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies, and 8 plus hours for each 10 credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Optional attendance of residential workshop is normally available once per semester.



### Who should apply?

This programme provides graduates with expert knowledge in the social care and social justice fields and therefore is suitable for those looking to progress up their personal career ladders in areas such as policy, research, management and leadership within a variety of organisations such as homeless services, disability services, community activism, prison services and many more.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4800

Introduction to Social Justice Theory  
 Social Transformation  
 Care Work and Social Justice  
 Human Rights  
 Social Policy and Law  
 Social Locations: An intersectional approach  
 Management and Leadership in Social Care  
 Research Design and Development

### Master of Arts

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Social Inclusion and Diversity  
 Final Research Project

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Saoirse Kennedy:  
 saoirse.kennedy@atu.ie



# Social Prescribing

This programme provides evidence-informed knowledge and skills in social prescribing. Lectures are supported by a series of guest speakers. The programme will equip students with the knowledge and skills necessary to effectively communicate with participants and stakeholders, identify local expertise and resources, coordinate and facilitate programmes of activities, write reports and funding applications and conduct evaluations to support the diverse health and wellbeing of their local community.

## Key course details



### Entry Requirements

To qualify for entry to this Special Purpose Award a standard applicant must achieve a pass in the Leaving Certificate (or equivalent examinations) with five grade D's which must include Mathematics and English or Irish. An E in Higher Level Mathematics is also acceptable, as is a B2 or higher in Foundation Mathematics. Applicants who may not meet the above minimum entry requirements can have their experiential, work-based learning considered.



### Study Hours

This course comprises four modules, two per semester. There are two evening lectures per week of two hours each. In addition to lectures, students are expected to engage in 6-8 hours of independent learning per module including reading papers, watching videos and completing assessment. Thus the total time commitment for the course per week is 16-20 hrs.



### Examination & Assessment

This programme is assessed via continuous assessment including written essays, reports, and infographics (poster / illustrated book).



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme may be especially interesting to those working in health, social care, wellbeing, disability services, primary care, those working with children and older people and people working within health promotion, allied health professions, community development, community arts and human resources.

Online

**Level:** 6

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Social Prescribing 1: Introduction to Theory, Policy & Practice

Social Prescribing 2: Community Resources & Creative Communication

Social Prescribing 3: Social Inclusion & Effective Communication

Social Prescribing 4: Evidence Informed Practice

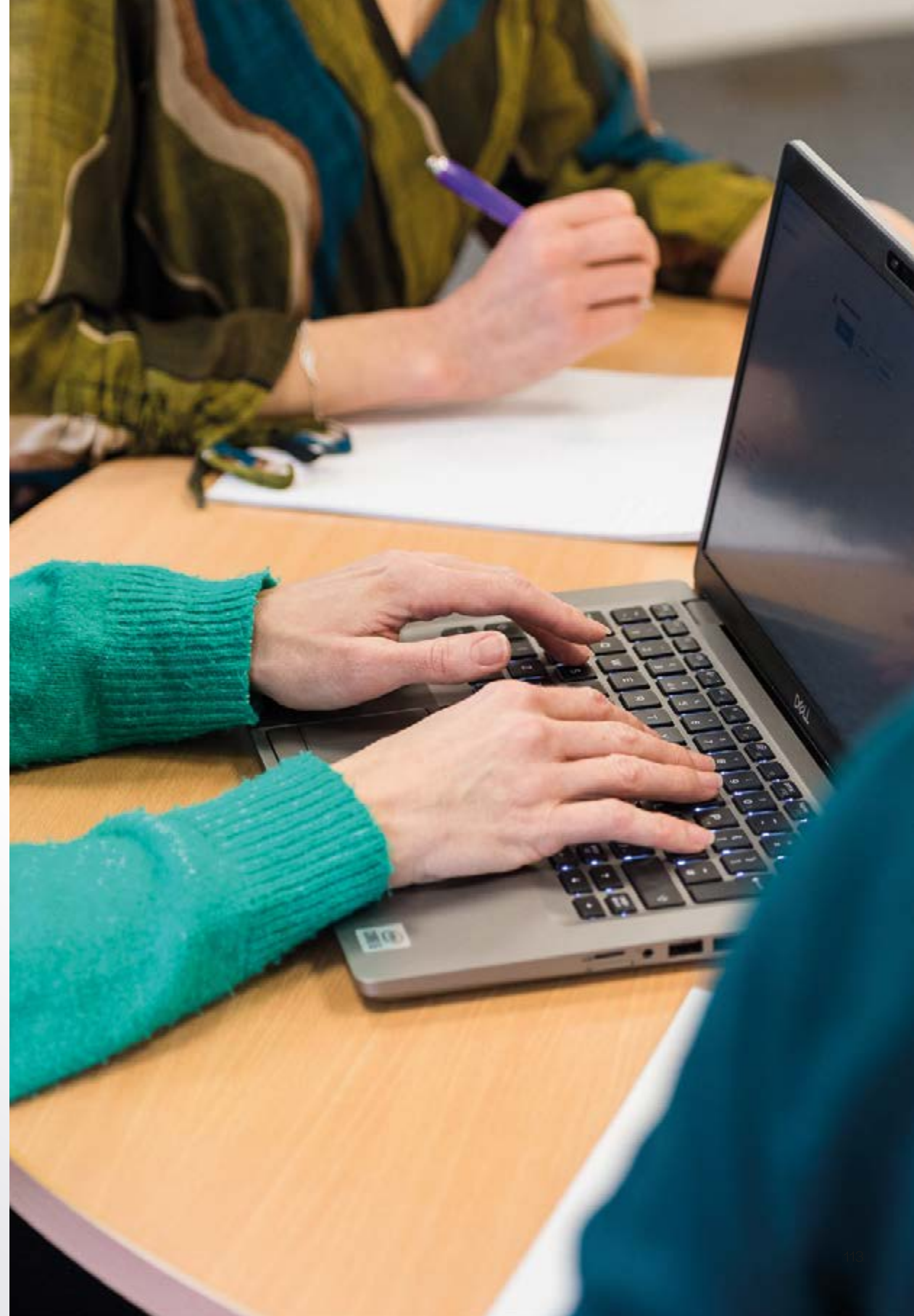
## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Saoirse Kennedy:  
saoirse.kennedy@atu.ie



# Innealtóireacht Shibhialta & Foirgníocht Civil Engineering & Construction



Certificate

## Auctioneering and Estate Agency Practice

This programme prepares graduates to assume technical and management level positions within the property and facilities management industry. Students cover areas such as property sales, letting and marketing; investment valuations; project feasibility and appraisal; and commercial real estate management and leases. On successful completion of this programme, learners may progress to the second and final year of the Level 7 BSc. in Property Services and Facilities Management.

### Key course details



#### Entry Requirements

Applicants require a Level 6 Higher Cert in a related field or equivalent.



#### Study Hours

On average, students will study three taught modules per semester. Typically, students can expect 3 live lectures per week, each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



#### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



#### On-Campus Attendance

No attendance required.



#### External Accrediting Body

This course allows for progression onto the CIOB accredited BSc in Property Services and Facilities Management.



#### Who should apply?

This programme is suitable for a range of industry professionals including estate agents, property managers, facilities managers or co-ordinators and maintenance supervisors. It is also suitable for those looking to pursue a career in this industry.

### Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

Level: 7

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €3400

Recognition of Prior Learning ✓

### What will I study?

#### Modules

Property Sales, Lettings & Marketing

Project Feasibility and Appraisal

Introduction to Planning and Development

Investment Valuations

Commercial Real Estate Mgmt & Leases

Capstone Project - Property Development

# Bridge Engineering

This programme aims to provide learners with a systematic understanding of knowledge and a critical awareness of current insights in the areas of Bridge Engineering. This is strengthened by undertaking industry relevant project work and applying it to current technical and design standards, policies, and guidelines. This programme has been developed in conjunction with industry partners - the Department of Transport and the Local Authority Services National Training Group (LASNTG).

## Key course details



### Entry Requirements

Applicants require a BEng Honours degree (Level 8) in Civil Engineering or a related discipline or equivalent.



### Study Hours

Live lectures normally take place between 6pm and 10pm, two evenings per week. Independent study hours will be reflective of a student's experience.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

Workshops occur twice per semester at the Sligo Campus on a Friday generally from 9.30am-4.30pm.



### Who should apply?

This programme is suitable for Civil Engineering professionals working, or intending to work in the Bridge Engineering sector, to develop appropriate analytical, design and assessment skills.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 9

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Geotechnical Engineering I

Structural Inspection and Assessment of Bridges

Geotechnical Engineering II

Design of Bridge Structures

# BIM and Lean Construction Management

This course provides students with a full overview and understanding of the processes that are required to develop and implement BIM and Lean Construction Management in a project environment. The programme aims to provide students with the training, skills, and practical experience to plan and deliver projects with BIM and Lean management principles.

## Key course details



### Entry Requirements

Candidates will be expected to hold a minimum second-class honours degree Level 8 qualification in a relevant discipline or equivalent. As this programme caters for all professions, any Level 8 qualification will be considered.



### Study Hours

One-hour live lecture per module and four to five hours self-directed learning per module.



### Examination & Assessment

The modules are assessed by mix of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme may suit individuals with a background in engineering, architecture, construction management, or a related field who may be looking to develop practical skills related to managing construction projects, optimizing construction processes, and implementing lean principles. Graduates of the programme will have a strong BIM and Lean Construction project management background which will promote career opportunities, as the industry currently faces a skill gap in these areas.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 9

**Credits:** 25

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3750

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

BIM

Lean Construction

Project Planning

Project Implementation

Project Management Simulation

## Higher Diploma in Engineering

# Building Information Modelling (BIM)

BIM is an innovative new approach to building design, construction, and management. This programme is designed as a direct response to the skill and competency needs of the construction industry. This programme is designed to allow participants to stay in the workplace while completing this two-year post-graduate award.

### Key course details



#### Entry Requirements

Applicants require a relevant Level 8 in a cognate discipline or Level 7 in a cognate discipline plus a minimum duration of 3 years of work experience within the built environment. Applications will also be accepted from mature applicants who have worked at an appropriate level within the construction industry and may gain entry through the RPL process.



#### Study Hours

Students are expected to partake in 4 hours on-campus online workshops per week in addition to 4 hours independent learning per week.



#### Examination & Assessment

This programme is 100% continuous assessment.



#### On-Campus Attendance

Students are required to attend 6 on-campus workshops per semester (every second week). This blended learning programme consists of 75% online and 25% face-to-face delivery.



#### Who should apply?

This programme is suitable for all upskilling eligible candidates in the architecture, engineering and construction industries.

### Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €4000

DASBE students pay €1500

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Building Information Modelling  
Virtual Modelling Fundamentals

Building Information Modelling  
Architecture

Building Information Modelling -  
Mechanical, Electrical, Plumbing  
(MEP)

Building Information Modelling  
Structure

Building Information Modelling  
Infrastructure

Building Information Modelling  
Contractors

Sustainable Building and Energy  
Simulation

Building Information Modelling  
Collaboration

Building Information Modelling  
Research Project

Certificate

# Building Information Modelling (BIM)

BIM is an innovative new approach to building design, construction, and management. This programme is designed as a direct response to the skill and competency needs of the construction industry. This programme is designed to allow participants to stay in the workplace while completing this award.

### Key course details



#### Entry Requirements

A relevant Level 7 qualification or equivalent in a cognate area within the construction and built environment industry. Applications will also be accepted from mature applicants who have worked at an appropriate level within the construction industry and who may gain entry by the RPL process.



#### Study Hours

Students are expected to partake in 4 hour workshops per week in addition to 4 hours independent learning per week.



#### Examination & Assessment

This programme is 100% continuous assessment.



#### On-Campus Attendance

Students are required to attend 6 on-campus workshops per semester (every second week).



#### Who should apply?

This programme is suitable for all upskilling eligible candidates in the architecture, engineering and construction industries.

### Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Blended

**Level:** 8

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1333

DASBE students pay €500

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Building Information Modelling  
Virtual Modelling Fundamentals

Building Information Modelling  
Architecture

Building Information Modelling  
Mechanical, Electrical, Plumbing  
(MEP)

Building Information Modelling  
Structure

Building Information Modelling  
Infrastructure

Building Information Modelling  
Contractors

Sustainable Building and Energy  
Simulation

# Building Information Modelling and Digital Leadership

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme directly responds to a significant gap in national and international educational provision related to digital leadership across the built environment value chain. The programme will provide a flexible, multidisciplinary and industry-focused programme that will empower graduates to lead the transition towards a collaborative, digitalised built environment.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Honours) degree with a minimum grade classification of H2.2 or equivalent e.g. Civil Engineering, Construction Management, Architectural Technology, Architecture, Construction Economics and Surveying, Building Information Modelling, or other similar degrees, which provide students with knowledge of BIM as a technology and a process. Candidates who do not meet the H2.2 performance standard in a Level 8 award will be required to pass a qualifying assignment at a H2.2 performance standards, as established by the Programme Board for the programme in question and as approved by the Registrar.



### Study Hours

Lectures typically are four hours a week with 6 additional self directed learning hours.



### Examination & Assessment

This programme is based on project-based work and continuous assessment. There are no final exams.



### On-Campus Attendance

Attendance is required for some modules that required access to a PC, this could involve attendance for initial set up.



### Who should apply?

This programme is designed for working professional with a Level 8 degree, who wish to develop new skills in leadership in the BIM environment and want to effect change in their organisation.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2000  
DASBE students pay €749

Building Information Modelling (BIM) and Digital Leadership  
Visual Programming for Digital Construction  
Building Information Modelling for Sustainability

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4000  
DASBE students pay €1500

Build Digital Applied Work-Based  
Research Project

### Master of Science

**Duration:** 2.5 years

**Credits:** 90

**Total fees:** €6000  
DASBE students pay €2250

Build Digital Thesis

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

### Student Advisor:

Eileen O'Hara:  
eileen.ohara@atu.ie

# Built Environment Regulation

## Award Options

- **Master of Science**
- **Postgraduate Diploma in Science**
- **Postgraduate Certificate**

The programme aims to afford advanced experience, knowledge, and training to fulfil, in part, the onerous and challenging roles, duties, and responsibilities associated with a range of Built Environment Regulations in the Irish construction industry.

## Key course details



### Entry Requirements

Candidates must hold a cognate level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent, in an appropriate Built Environment undergraduate programme or equivalent. Candidates who do not meet the H2.2 performance standard in a Level 8 award will be required to pass a qualifying assignment at an H2.2 performance standard as established by the Programme Board for the programme in question and as approved by the Registrar.



### Study Hours

Part-time: 6 hours per week. Full-time: 12 hours per week.



### Examination & Assessment

All modules are 100% continuous assessment. Authentic assessment practices are used such as online examinations, online quizzes, project work, either in groups or individually, and a thesis.



### External Accrediting Body

Chartered Association of Building Engineers (CABE).



### On-Campus Attendance

Tutorials, project work, and assessments will be conducted over a few Saturdays each semester.



### Who should apply?

This programme is designed for a multidisciplinary cohort across the built environment disciplines such as Architecture, Engineering, Building Surveying, Architectural Technology, and Construction Management, among others. It is designed to meet the postgraduate and continuing professional development needs of these disciplines, to develop their competence in these areas. It will be particularly beneficial to new entrant graduates who have recently entered the workforce in the last one to three years.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2000  
DASBE students pay €750

Introduction to Legislation for the Built Environment Structures  
Energy Conservation  
Fire Safety (Dwellings)

### Postgraduate Diploma in Science

**Duration:** 1 or 2 years

**Credits:** 60

**Total fees:** €4000  
DASBE students pay €1500

Services  
Access and Use  
Fire Safety (Buildings other than Dwellings)  
Built Environment Research

### Master of Science

**Duration:** 1.5 or 2.5 years

**Credits:** 90

**Total fees:** €6000  
DASBE Students pay €2250

Built Environment Thesis

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Galway City

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

### Student Advisor:

Eileen O'Hara:  
eileen.ohara@atu.ie

# Circular Economy in Leadership for the Built Environment

## Award Options

- Master of Science
- Postgraduate Diploma
- Postgraduate Certificate

This programme has been developed in close collaboration with construction industry professionals to provide a flexible, multidisciplinary and industry-focused programme that seeks to address the current competency and skills gap in the construction sector both nationally and in a global context. Students will discover a focused set of mandatory modules that cover all stages in the design-construction-operation and end-of-life process. The programme is designed to embrace experiential and collaborative learning opportunities by continuously embedding evolving circular economy best practice through an academic-industry reciprocal learning framework.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent e.g. Civil Engineering, Construction Management, Architectural Technology, Architecture, Construction Economics and Surveying etc. Candidates who do not meet the H2.2 performance standard in a Level 8 award will be required to pass a qualifying assignment at an H2.2 performance standard as established by the Programme Board for the programme in question and as approved by the Registrar. Graduates of the Postgraduate Diploma and the Postgraduate Certificate in Circular Economy Leadership for the Built Environment are eligible to continue on to the M.Sc



### Study Hours

The course is fully online with 4 hours of online workshops and 6 hours of self-paced online activities each week.



### Examination & Assessment

100% continuous assessment. Students complete a Thesis and Research Paper at Masters stage.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for professionals across the built environment value chain i.e., local authorities, planners, engineers, project managers, consultancies, architects, building manufacturers, contractors, technicians, building surveyors, purchasing officers etc.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2000

Circular Economy Principles for the Built Environment.  
Circular Economy Leadership and Organizational Transitions.

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €4000

Applied Circular Built Environment Work-Based Research Project

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €6000

Circular Built Environment Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Galway City

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

### Student Advisor:

Eileen O'Hara:  
eileen.ohara@atu.ie

Higher Diploma

# Civil Engineering

This work-based programme will allow students to demonstrate that they have achieved specific Engineers Ireland learning outcomes so that they can pursue the professional title of Chartered Engineer. The programme provides a shorter and clearly defined route towards Chartered Engineer (awarded by Engineers Ireland).

## Key course details



### Entry Requirements

Applicants for the Higher Diploma in Civil Engineering must either have (a) Engineers Ireland A. Eng. accredited civil engineering Level 8 degree or (b) Engineers Ireland A. Eng. accredited civil engineering Level 7 degree and an Engineers Ireland A. Eng. accredited civil engineering Level 8 add-on degree.



### Study Hours

Fortnightly online workshops approximately one hour in length support the two modules. Self-directed learning in combination with independent learning in the workplace will be required to demonstrate attainment of specific programme outcomes.



### Examination & Assessment

Students must submit an academic paper related to work-applied research project. Students must submit a professional practice report demonstrating attainment of Engineers Ireland programme outcomes. In addition, students must deliver a professional presentation to an academic panel and are interviewed in relation to their professional practice report.



### On-Campus Attendance

On campus induction workshop at the start of the programme.



### External Accrediting Body

This programme is accredited by Engineers Ireland as meeting the educational standard for Level 8 engineering programmes for 'Chartered Engineer with further learning' (CEngFL).



### Who should apply?

This programme is aimed at civil engineering graduates who wish to pursue the professional title of Chartered Engineer with Engineers Ireland. Both students and employers must be approved by ATU programme team prior to acceptance on the work-based programme.

Blended

Level: 8

Credits: 60

Duration: 1 year

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: Galway City

Total fees: €4000

DASBE students pay €1500

### Recognition of Prior Learning X

## What will I study?

### Modules

Research Skills For Engineers

Professional Civil Engineering Practice

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

Bachelor of Science (Honours)

# Construction Contracts Management

This course allows professionals from a range of construction backgrounds to focus their skills and knowledge into much needed expertise in construction contracts management, embracing the new forms of government contract (GCCC), RIAI, Design /Build contracts and on-line procurement methods while creating expertise in the administration and management of contracts.

## Key course details



### Entry Requirements

A construction related Honours degree (Level 8) or equivalent. Level 7 degree graduates with work experience in the construction industry are also eligible to apply.



### Study Hours

Contact hours of typically 6 hours per week delivered over two evenings would require a minimum of the same self-study hours.



### Examination & Assessment

Assessment will be a mix of problem-based learning and remotely administered or on campus written examinations. The course also includes a 200-hour minimum work placement which learners will source throughout Ireland.



### On-Campus Attendance

Course delivery is fully online. Two examinations (January and May), will be held on campus in either Letterkenny or Galway.



### External Accrediting Body

Chartered Institute Of Building (CIOB)



### Who should apply?

Professionals and associate professionals in the construction industry seeking to update and expand their knowledge in the area of construction contracts management.

## Course Contacts

Admissions: admissions.donegal@atu.ie

Student Advisor: Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online

Level: 8

Credits: 60

Duration: 1 year

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Letterkenny

Total fees: €3500

### Recognition of Prior Learning ✓

## What will I study?

### Modules

Construction Management 1

Statutory Approvals

Construction Management 2

Construction Law &amp; Professional Ethics

Financial Information for Decision Making

Dispute Mitigation and

Resolution

Research Report

Industry Case Study

Work Placement



# Construction Economics

Construction Economics offers a broad skills base for the management of construction projects with a strong emphasis on cost. Subject areas including measurement, building technology, tendering and contract administration ensure graduates are prepared for setting up and managing construction contracts through the efficient control of labour, plant and materials.

## Key course details



### Entry Requirements

Applicants must hold a National Framework of Qualification Level 5 or equivalent and Recognition of Prior Learning. Applicants who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

This online programme has 3-4 hours of live lectures per week (all recorded). Study hours will be reflective of experience and will require additional focus around exam time.



### Examination & Assessment

The two measurement subjects are 100% continuous assessment via assignments, while the remaining subjects are assessed by a combination of end of semester examinations and continuous assessments typically in a 60%/40% split.



### On-Campus Attendance

No attendance required.



### Who should apply?

This award is suitable for those working in the construction industry who wish to develop their career in the area of administration, cost, tendering and contracts.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Complex Domestic Construction

QS Measurement of Domestic Buildings

Estimating

Mechanical and Electrical Construction Technology

Measurement of Mechanical and Electrical Installations

Professional Practice within the Built Environment

Construction Contracts and Procurement

Principles of Law

Economics

Construction Law

Short Form of Construction Contract and Tendering

Construction Economics

# Construction Management

This programme prepares graduates to assume technical, management, academic and research and development level positions within the construction industry. The course consists of twelve subject modules - three per semester and learners may take as few modules as they wish and complete the programme over a number of years to suit their own circumstances. Professionally qualified and experienced Civil Engineers, Construction Managers and Quantity Surveyors will teach the various modules in the areas of site management, contracts management, project planning, measurement and costing, construction technology, services, BIM and site surveying.

## Key course details



### Entry Requirements

Applicants require Higher Certificate (NFQ Level 6) in a relevant discipline or equivalent. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

It is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

Continuous assessment varies per module, typically 40% with a 60% final exam. The programme includes a significant amount of online testing in each of the modules and the objective of the final written and practical examinations is to ensure the validity of the online test results.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Chartered Institute Of Building (CIOB)



### Who should apply?

The programme is specifically designed to facilitate industry professionals including: Engineers, Architects, Technicians, Foremen, Qualified Carpentry and Joinery Craft persons, or other Qualified Level 6 construction industry professionals seeking to progress to management roles or existing construction managers seeking formal education and training. It is also suitable for professionals from other backgrounds who have assumed roles in the industry and are seeking formal qualifications.

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Building Services

Site Management

Project Feasibility and Appraisal

Building Surveying

Construction Contract Admin & Procurement

Project Programming & Control

Industrial Construction Technology

Building Information Modelling fundamentals

Fundamentals of Measurement and Cost Control

Site Surveying

Commercial Construction Technology

Building Information Modelling & Collaboration

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

# Construction Project Management

This CIOB and SCSl accredited programme is designed specifically for those planning a career in the project management profession. The course 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.

## Key course details



### Entry Requirements

Candidates will be expected to hold as a minimum, a second-class Level 7 qualification in a relevant Construction / Engineering discipline. Applicants with other qualifications and with relevant work experience may also be considered through ATU Sligo's Recognised Prior Learning (RPL) process.



### Study Hours

All modules require 2 contact hours per week, with the exception of the Dissertation module which is 1 hour per week. For part-time online or blended learning, it is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

Each 5-credit module is a combination of exam and coursework and are assessed at semester end. The 10-credit modules are 100% coursework and are assessed at year end. Digital Construction Technology: Must be studied when in the first year of course. Dissertation: Must be studied when in the second year of the course. Both modules are to be assessed at year-end only. Both modules are 10 credits, all other modules are 5 credits.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI)  
Chartered Institute of Building (CIOB)



### Who should apply?

This programme is suitable for those planning a career in the Project Management profession within, but not limited to, the construction sector.

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Digital Construction Technology

Construction Corporate Management

Construction Law Liabilities and Obligations

International Construction

Construction Contracts and Dispute Resolution

Project Appraisal, Procurement & Finance

Construction Planning and Programming

Dissertation in Construction Project Management

Lean Principles and Quality Management

Project Management and Control

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Sallyanne Downes:  
Sallyanne.Downes@atu.ie

Certificate

# Construction Site Management

This programme has been developed to provide a progression route for those with a Level 6 trade cert into Construction Management and is focused on the skills construction managers need in the areas of site management, measurement and costing, project feasibility, planning and control, and contract administration and procurement.

## Key course details



### Entry Requirements

Applicants require Higher Certificate (NFQ Level 6) in a relevant discipline or equivalent. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

It is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

Typically 40% continuous assessment/project work and 60% final exam per module.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

This course allows for progression onto to the CIOB accredited BSc in Construction Management.



### Who should apply?

This programme is suitable for those with a trade background who wish to progress to management or contractors running their own business wishing upskill. It is also suitable for professionals from other backgrounds who have, or are looking to upskill and assume roles in the construction industry.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Sallyanne Downes: Sallyanne.Downes@atu.ie

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Project Feasibility and Appraisal

Site Management

Fundamentals of Measurement and Cost Control

Project Programming and Control

Construction Contract Administration and Procurement

Building Surveying

Certificate

# Digital Construction Technology

This programme has been developed in response to meeting the needs of the construction industry in providing graduates with knowledge and practical skills in the areas of Construction Technology, Site Surveying & BIM. The course aims to provide the learner with the knowledge and skills required to participate in BIM projects by providing learners with practical skills in widely used BIM tools like Revit, Navisworks, Civil 3D and BIM 360 as well as a theoretical knowledge of the processes involved in a BIM project.

## Key course details



### Entry Requirements

Applicants require Higher Certificate (NFQ Level 6) in a relevant discipline or equivalent. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process. Applicants should hold a related Level 6 National/Higher Certificate or a Senior Craft Certificate (Merit award).



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Continuous assessment mark varies per module but is typically 40% continuous assessment and 60% final exam.



### On-Campus Attendance

No attendance required.



### Who should apply?

This award is suitable for Level 6 qualified technicians and trade persons looking to upskill in the area of BIM and potentially progress to completing the Level 7 degree in Construction Management. Graduates from this programme gain an understanding of how to use BIM software tools and will appeal to companies looking to involve themselves in BIM projects, including architecture, consulting engineering and contracting firms operating in this area.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Building Services

Industrial Construction Technology

BIM fundamentals

Site Surveying

Commercial Construction Technology

BIM & Collaboration

Certificate

# Drinking Water Treatment Operations

This programme is designed in conjunction with Irish Water/ Uisce Éireann to prepare people for working in the area of plant operation and maintenance for Drinking Water treatment. Students will gain a greater understanding of computer applications, health and safety, flow measurement and controls, as well as law and compliance, as well as specialised topics such as source abstraction and quality, drinking water treatment, treatment plant maintenance and drinking water sludge treatment.

## Key course details



### Entry Requirements

Level 5 qualification or equivalent.



### Study Hours

3-4 hours lectures. 6-7 hours self-directed learning.



### Examination & Assessment

Modules are a mix of continuous assessment and Exam.



### On-Campus Attendance

2 full day workshops per semester.



### External Accrediting Body

Chartered Institute of Water and Environmental Managers.



### Who should apply?

Suitable for existing drinking water treatment plant operators and managers in local authorities, Irish Water/ Uisce Éireann and private sector water organisations as well as those looking to work in this area in the future.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Doddy: [niamh.doddy@atu.ie](mailto:niamh.doddy@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4800

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

ICT and Transferable Skills

Water and Wastewater Science

Health and Safety for Treatment Plant Operators

Networks Flow Measurement and Control

Energy Management

Law & Compliance

Water Sources Abstraction and Quality

Drinking Water Treatment

Drinking Water Sludge Treatment

Drinking Water Treatment Plant Maintenance

Advanced Drinking Water Treatment

Master of Science

# Engineering Management

This programme focuses on the increasing development and use of management engineering skills in the modern diverse engineering. This MSc course will be of particular interest to engineers who wish to maximise organisational efficiencies, manage supply chains, lead teams, deliver large projects, use advanced analytics techniques to extract knowledge from valuable data and effectively communicate justified research supported directive decisions.

## Key course details



### Entry Requirements

Minimum 2.2 Honours Degree or an equivalent qualification in Science, Technology, Engineering, Mathematics with at least 3 years relevant experience. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL)



### Study Hours

4 hours contact time per 10-credit module per week. There is also 13 hours independent learning per 10-credit module per week.



### Examination & Assessment

100% continuous assessment. A range of assessment methods may be used, including; individual assignments; group assignments; lab workbooks; online class/lab tests and presentations/demonstrations.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course will be of particular interest to engineers who wish to maximise organisational efficiencies, manage supply chains, lead teams, deliver large projects, use advanced analytics techniques to extract knowledge from valuable data and effectively communicate justified research supported directive decisions.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

**Student Advisor:** Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online/On-Campus

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online or On-Campus

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Process Analysis and Improvement

Operations and Supply Chain Management

Data Analytics & Visualisation

Strategic Leadership

Project Management

Research Practice

Dissertation

Bachelor of Science (Honours)

# Facilities and Building Services Management

This programme prepares graduates to assume technical and management level positions within the facilities management industry. Qualified and experienced Property Services and Facilities Management professionals prepare students with knowledge in areas such as green buildings, energy efficiency management, sustainable building, projects and contract management.

## Key course details



### Entry Requirements

Applicants require a Level 7 degree in a related field or equivalent.



### Study Hours

Typically, students can expect 2-3 live lectures per week - each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI).



### Who should apply?

This programme is suitable for a range of industry professionals including estate agents, property managers, facilities managers or co-ordinators and maintenance supervisors.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Sallyanne Downes: Sallyanne.Downes@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Mechanical and Electrical Services Technology

Fire Safety Management

Maintenance Management & PPM

Sustainable Building Energy Management

Construction Law Liabilities and Obligations

Sustainable Development

Project and Contract Management for FM

Research Methods & Dissertation

# Facilities Management

This programme, developed in collaboration with the SCSi, is designed to equip students with knowledge of all factors affecting the facilities management profession. Work Based Learning is a key component of the programme. Graduates of the course can progress to the final year of the Higher Certificate in Property Services and Facilities Management.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (e.g. Leaving Certificate) and must currently be in full time employment in a related role in the Property Services or Facilities Management industry. This employment requirement is necessary as there is a Work Based Learning module that must be undertaken.



### Study Hours

On average students will study three taught modules per semester. Typically, students can expect 3 live lectures per week, each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment, Work Based Learning and final exams.



### On-Campus Attendance

A face-to-face workshop day (normally a Friday) is held each semester in either Sligo or Dublin. Attendance at the workshop day is encouraged but is not mandatory.



### Who should apply?

This programme is suitable for those currently working in facilities management who wish to develop their career in the sector.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3950

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Principles of Law

Services Procurement & Management

Introduction to Facilities Management and

Environmental, Health And Safety

Information Technology and Systems Administration

Work Based Learning - Facilities Management

Construction Technology and Maintenance

Financial Management and Controls

Bachelor of Science (Honours)

# Fire Safety Engineering

This unique programme gives students the opportunity to obtain a recognised qualification in what is the niche area of Fire Safety Engineering. The course provides the fundamental principles of the prescriptive based fire safety design approach inherent in achieving compliance with the requirements of Part B: Fire Safety, of the Building Regulations.

## Key course details



### Entry Requirements

Applicants require an NFQ Level 7 qualification in a cognate fire/ construction/ engineering discipline such as Civil Engineering, Building Services or Fire Engineering; Mechanical Engineering, Construction Management or Architectural Technology. Candidates who do not hold the required qualifications may also apply on the basis of Recognised Prior Learning (RPL).



### Study Hours

Online classes are held two evenings per week, typically 6.30 -9.30pm (6 hours per week) for 12 months. Independent study of at least the same number of taught hours is recommended.



### Examination & Assessment

Continuous assessment will take place throughout the duration of each module in accordance with an Assessment Schedule. Five modules have an end of module examination, four being on campus and one online. Problem based learning, laboratory reports and a final project presentation are included in assessment methodology.



### On-Campus Attendance

The course is delivered online with mandatory laboratory attendance over two days in late December for each group of five students.



### External Accrediting Body

Engineers Ireland - Associate Engineer.



### Who should apply?

This course will appeal to those working in sectors such as construction, engineering, or the fire industry who are looking to enhance their qualifications and progress in their career. Graduates will have sufficient knowledge to be fully prepared to embark on a career in Fire Safety Consultancy, Building Control (Fire Authority Fire Prevention Officer) or related career paths in the wider fire safety industry.

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €3500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Fire Dynamics

Fire Safety Management

Fire Safety Design

Human Behaviour in Fire

Fire Protection Systems

Quantitative Risk Analysis (QRA)

Fire Project

Digital Communications & Employability Skills

## Course Contacts

### Admissions:

[admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

### Student Advisor:

Tricia Fitzpatrick:  
[tricia.fitzpatrick@atu.ie](mailto:tricia.fitzpatrick@atu.ie)

# Geotechnical and Structural Engineering

## Award Options

- **Master of Engineering**
- **Postgraduate Certificate**

This programme provides postgraduate training for Level 8 degree qualified professional and graduate Civil Engineers who require up-skilling and higher education in the areas of Geotechnical and Structural Engineering. Project work in the modules develops both technical and teamwork skills in a multi-disciplinary approach. At Masters level, the research thesis gives the opportunity to research a topic of their choice, which may be directly relevant to their employer or industry.

## Key course details



### Entry Requirements

The minimum entry requirements are a second class honours (2.2) award in a professionally accredited (Engineers Ireland Chartered Engineer with further learning or equivalent) Honours degree (Level 8) in Civil or Structural Engineering.



### Study Hours

The programme consists of two semesters, with three modules per semester. Students will have weekly live lectures of 2 hours per module. Lectures typically take place in the evening after 6pm. It is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies. At Masters Level, students undertake a thesis and research a core topic related to the programme.



### Examination & Assessment

Taught modules have a minimum of 60% continuous assessment / project work. Five out of the six taught modules have an end of module examination worth 40%. The thesis module is evaluated using a presentation, a poster, the written thesis and an interview.



### On-Campus Attendance

Two on campus workshop days per semester. Attendance is optional. The workshops are broadcast live and are also recorded.



### Who should apply?

This programme provides a means for graduate engineers to meet the educational requirement for Chartered Engineer membership of Engineers Ireland, while at the same time developing advanced skills in Geotechnical and Structural Engineering. The programme is also attractive to experienced Civil Engineers who are seeking to move from a different area of expertise into the Geotechnical and /or Structural Engineering domains.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €3000

Geotechnical Engineering I  
Soil - Structure Interaction  
Design of Building Structures  
Geotechnical Engineering II  
Research Methods  
Design of Bridge Structures

### Master of Engineering

**Duration:** 2 or 3 years

**Credits:** 90

**Total fees:** €9000

MEng Research Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Sallyanne Downes:  
Sallyanne.Downes@atu.ie

Postgraduate Certificate

# Mechanical and Electrical Quantity Surveying

This programme has been developed in partnership with the Society of Chartered Surveyors of Ireland (SCSI) to address the significant industry skills deficits in mechanical and electrical quantity surveying. The core of this course centres around the development of technical proficiencies with respect to Building Services Technology and the Measurement of same in accordance with prescribed methodologies.

## Key course details



### Entry Requirements

Applicants will ideally hold a Level 8 qualification in Quantity Surveying or Building Services or other cognate discipline.



### Study Hours

3 hours of live lectures per week. This programme involves three (5-credit) modules per semester which leads to an average of 15-18 study hours per week.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme has been designed to provide the knowledge, skills and expertise in mechanical and electrical quantity surveying to qualified practitioners in quantity surveying and in the 'services' disciplines who wish to expand their knowledge-base and create work possibilities in this specialised area.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Electrical Installations  
Measurement

Electrical Building Services  
Technology

Elective: Building Information  
Modelling

Elective: Contracts and  
Procurement

Mechanical Installations  
Measurement

Mechanical Building Services  
Technology

Elective: Construction  
Economics and Finance

Elective: Business Management  
and Entrepreneurship

Elective: Strategic Management



# Project Management

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

This programme offers graduates a broad skills base for the profession in Project Management by both academic learning and practical experience. The course has been customised to meet the exact needs of clients in various sectors, through the delivery of core principles of Project Management and allowing the participant to tailor their programme through the selection of electives relevant to their sector.

## Key course details



### Entry Requirements

Candidates will be expected to hold a minimum second-class Honours degree Level 8 qualification in a relevant discipline or equivalent. As this programme caters for all professions, any Level 8 qualification will be considered.



### Study Hours

One-hour live lecture per module and four to five hours self-directed learning per module. At Masters level, students will undertake a research thesis through which they will present, explain and critically discuss current issues, knowledge and theory relating to an area of Project Management.



### Examination & Assessment

Final exams and continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is designed for graduates or professionals who are interested in becoming involved in developing their skills and competencies in project management.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €6000

Project Planning  
 Research Methods  
 Project Management Simulation  
 Project Implementation  
 Contracts and Procurement  
 Strategic Management  
 Business Management and Entrepreneurship

\*Students also choose from a number of Elective modules

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €9000

Research Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Sallyanne Downes:  
 Sallyanne.Downes@atu.ie



# Property Services

This programme, developed in collaboration with the SCSi, is designed to equip students with knowledge of all factors affecting the property services profession. Students will develop a keen understanding of the marketplace and a skillset that will enable them to influence and adapt to changes in the property market as they arise. Work Based Learning is a key component of the programme. Graduates of the course can progress to the final year of the Higher Certificate in Property Services and Facilities Management.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (e.g. Leaving Certificate) and must currently be in full time employment in a related role in the Property Services or Facilities Management industry. This employment requirement is necessary as there is a Work Based Learning module that must be undertaken.



### Study Hours

On average students will study three taught modules per semester. Typically, students can expect 3 live lectures per week, each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment, Work Based Learning and final exams.



### On-Campus Attendance

A face-to-face workshop day (normally a Friday) is held each semester in either Sligo or Dublin. Attendance at the workshop day is encouraged but is not mandatory.



### Who should apply?

This programme is designed for those currently working in the property sector who wish to develop their career.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3950

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Property & Company Law and Arbitration

Introduction to Property Services

Residential Management

Work Based Learning - Property Services

Economics of Property

Property Valuations

Commercial Property Management

Bachelor of Science

# Property Services and Facilities Management

This programme prepares graduates to assume technical and management-level positions within the property and facilities management industry. Students explore key aspects of both property services and facilities management including property sales, letting and marketing; investment valuations; fundamentals of measurement and cost control and building surveying.

## Key course details



### Entry Requirements

Applicants require a Level 6 Higher Cert in a related field or equivalent.



### Study Hours

On average students will study three taught modules per semester. Typically, students can expect 3 live lectures per week, each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI).



### Who should apply?

This programme is suitable for a range of industry professionals including estate agents, property managers, facilities managers or co-ordinators and maintenance supervisors. It is also suitable for those looking to pursue a career in this industry.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Property Sales, Lettings & Marketing

Project Feasibility and Appraisal

Introduction to Planning and Development

Investment Valuations

Commercial Real Estate Mgmt & Leases

Capstone Project - Property Development

Fundamentals of Measurement and Cost Control

Building Services

Industrial Buildings - Construction Technology

Building Surveying

Commercial Buildings - Construction Technology

Capstone Project - Lifecycle Maintenance & Upgrade

# Property Services and Facilities Management

This programme, developed in collaboration with the SCSl, is designed to equip students with knowledge of all factors affecting the property and facilities management profession. Students will develop a keen understanding of the marketplace and a skillset that will enable them to influence and adapt to changes in the property market as they arise. The programme addresses a national skills deficit and enables graduates apply to the Property Services Regulatory Authority (PRSA) to be granted A, B, C and D licenses. Work Based Learning is a key component of the programme.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (e.g. Leaving Certificate) and must currently be in full time employment in a related role in the Property Services or Facilities Management industry. This employment requirement is necessary as there is a Work Based Learning module that must be undertaken.



### Study Hours

On average students will study three taught modules per semester. Typically, students can expect 3 live lectures per week, each lasting approximately 1 hour. In addition to attending the lectures, students will be required to undertake self-study of 3-5 hours per week per module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment, Work Based Learning and final exams



### On-Campus Attendance

A face-to-face workshop day (normally a Friday) is held each semester in either Sligo or Dublin. Attendance at the workshop day is encouraged but is not mandatory.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI).



### Who should apply?

This programme is suitable for a range of industry professionals including estate agents, property managers, facilities managers or co-ordinators and maintenance supervisors.

Online

Level: 6

Credits: 120

Duration: 2 years

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €7900

Recognition of Prior Learning ✓

## What will I study?

### Modules

Principles of Law

Services Procurement & Management

Introduction to Facilities Management and Environmental, Health And Safety

Information Technology and Systems Administration

Work Based Learning - Facilities Management

Construction Technology and Maintenance

Financial Management and Controls

Property & Company Law and Arbitration

For the full list of Modules, refer to the programme web page.

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Sallyanne Downes:  
Sallyanne.Downes@atu.ie

# Quantity Surveying

This add-on programme has been designed to produce graduates with the skills and knowledge necessary to become a successful quantity surveyor. The evolving international economic climate means the role of the quantity surveyor is in high demand as both public and private clients are pursuing the agenda of obtaining value for money and greater cost certainty in all construction activities.

## Key course details



### Entry Requirements

This add-on programme is directed at graduates who have obtained a minimum final result of 50% in a cognate Level 7 degree. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

This online programme has approximately 4 hours of live lectures per week (all recorded). Required study hours will be reflective of your experience and will require additional focus around exam time.



### Examination & Assessment

Module assessment strategies include end of semester exams and / or continuous assessment.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

The Society of Chartered Surveyors Ireland (SCSI), the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institute of Building (CIOB).



### Who should apply?

This programme is designed for professionals in the construction sector who already have an Ordinary degree but want to upskill to an Honours degree on a part-time, flexible basis.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Sallyanne Downes: Sallyanne.Downes@atu.ie

Online

Level: 8

Credits: 60

Duration: 2 years

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €9000

Recognition of Prior Learning ✓

## What will I study?

### Modules

Measurement of Complex Structures, Ground Services

Complex Structures & Civil Engineering Construction Technology

Property Development and Economics

Capital Works Framework

Capstone Project

Building Information Modelling for Quantity Surveyors

Public Works Contract

Commercial Management for the Quantity Surveyor

Measurement of Civil Engineering Works

Research Methods & Dissertation

# Quantity Surveying

This add-on programme offers graduates a broad skills base for the specialised profession of quantity surveying. The evolving international economic climate means the role of the quantity surveyor is in high demand as both public and private clients are pursuing the agenda of obtaining value for money and greater cost certainty in all construction activities.

## Key course details



### Entry Requirements

The minimum entry requirement is a Level 6 qualification or international equivalent in Quantity Surveying or a related discipline. Applicants with other Level 6 qualifications and a number of years relevant work experience in construction estimating/cost management may also be considered through the Recognition of Prior Learning (RPL) process.



### Study Hours

This online programme has approximately 4 hours of live lectures per week (all recorded). Required study hours will be reflective of your experience and will require additional focus around exam time.



### Examination & Assessment

Module assessment strategies for this programme include end of semester exams and/or continuous assessment.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

The Chartered Institute of Building (CIOB).



### Who should apply?

This programme is designed for professionals in the construction sector who already have a Level 6 qualification but want to upskill to a Level 7 degree on a part-time, flexible basis.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Measurement of Industrial Buildings

Industrial Buildings - Construction Technology

Cost Planning

Private Sector Standard Form of Construction Contracts Programming & Planning Theory

Cost Control

Commercial Buildings - Construction Technology

Measurement of Commercial Buildings

Construction Programme Software

QS Dispute Management Project

# Real Estate Development and Valuation

The principal aim of this programme is to produce graduates capable of meeting present and future needs and challenges in the Property and Surveying profession in the residential, commercial property sectors. The aims, objectives and learning outcomes of the programme take cognisance of the constantly evolving property industry, in areas such as valuation, management, estate agency, property development, property investment and planning. The aim of this programme is to provide the learner with the necessary knowledge and skills to become a property professional.

## Key course details



### Entry Requirements

This is an add-on course for Bachelor of Science in Property Services and Facilities Management (Online). Applicants must have as a minimum a National Framework of Qualifications level 7 Ordinary Degree in a related field or equivalent (including RPL etc). For candidates without level 7 qualifications, a process of Recognition of Prior Learning (RPL) can be undertaken to assess the candidates' suitability to the course.



### Study Hours

This course is delivered online, with live lectures delivered three hours per week. Recommended self-guided study is between 15-20 hours per week.



### Examination & Assessment

Some modules are assessed through 100% continuous assessment in the form of ongoing projects throughout the semester. Other modules have a mix of continuous assessment and a formal exam.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI).



### Who should apply?

Property Service Providers wishing to become chartered with the Society of Chartered Surveyors Ireland and a Registered RICS Valuer may be interested in this course. Students studying on the current BSc in Property Services and Facilities Management or equivalent degree can progress to the BSc (Hons) in Real Estate Development and Valuation.

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Irish Economic Land Policy

Urban Planning & Sustainable Development

Business and Property Taxation

Statutory Valuations

Lean Principles and Quality Management

Real Estate Investment and Funding

Sustainable Development

Research Methods & Dissertation

Specialist Valuations

Commercial Management for the Quantity Surveyor

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Certificate

# Revit & 4D BIM

This course explores the use of Revit software and the BIM process in the effective design and delivery of construction projects, introducing NZEB to enable learners to develop knowledge and skills that allow them to create and assess high-quality, energy-efficient designs for new and renovation building projects.

## Key course details



### Entry Requirements

A Level 6 (NFQ) or equivalent in a related discipline. A knowledge of construction technology, basic building services and a working knowledge of basic 2D CAD is desirable. Familiarity with 2D or 3D drawing packages such as AutoCAD, ArchiCAD, Trimble SketchUp, SolidWorks or Hevacomp would be an advantage to learners.



### Study Hours

Lecture hours are 6.5 hours per week in Semester 1 and 7 hours per week in Semester 2. Depending on proficiency, it is recommended that similar self guided hours are applied.



### Examination & Assessment

100% Project/ Continuous Assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

The course is suitable for those who work in a technical capacity and need to update/ further their skills, particularly in Revit software and BIM, building energy performance and NZEB.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

**Student Advisor:** Tricia Fitzpatrick: [tricia.fitzpatrick@atu.ie](mailto:tricia.fitzpatrick@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €1000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

BIM with Revit

Personal and Professional Development Skills

BIM for VDC (Virtual Design and Construction)

Building Energy Performance & NZEB



## Award Options

- **Master of Engineering**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Road Maintenance Engineering and Network Management)**

This programme is aimed at preparing engineering graduates including local authority engineers, consultants and contractors with the knowledge, skills and competencies required for an accredited postgraduate award in road and transport engineering. In Year 3, students undertake a research dissertation developing their abilities in advanced research, designing and executing experiments, numerical analysis, analytical analysis, concept development and reporting. This programme was developed in collaboration with the Local Authority Services National Training Group (LASNTG).

## Key course details



### Entry Requirements

The entry requirement for Stage 1 of the programme is a second class honours BEng degree in Civil Engineering or equivalent. Graduates of the Level 9 Certificate in Road Maintenance Engineering & Network Management can transfer to Stage 2 of this programme. Graduates of the L9 Postgraduate Diploma in Road and Transport Engineering can transfer to Stage 3 of the programme and complete the research dissertation to achieve the award of MEng.



### Study Hours

Live lectures normally take place between 6pm and 10pm, three evenings per week. Independent study hours will be reflective of a student's experience.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams. In Year 3, students undertake a research dissertation.



### External Accrediting Body

Engineers Ireland - Chartered Engineer Status. (Masters)



### On-Campus Attendance

Workshops occur twice per semester at the Sligo Campus on a Friday generally from 9.30am-4.30pm.



### Who should apply?

This programme is aimed at providing graduates with the academic requirements of Engineers Ireland accreditation for the status of Chartered Engineer. This will facilitate professional engineers to progress to senior roles within the roads and transport engineering sector.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €4500

Transportation Planning  
 Geotechnical Engineering I  
 Structural Inspection and Assessment of Bridges  
 Construction Contracts & Liabilities  
 Traffic Control and Safety  
 Road Pavement Design and Management

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €9000

Research Methods  
 Drainage Systems Design and Flood Management  
 Road and Transport Scheme Design  
 Geotechnical Engineering II  
 Design of Bridge Structures  
 Project Management and Appraisal

### Master of Engineering

**Duration:** 3 years

**Credits:** 90

**Total fees:** €12,000

MEng Research Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Sallyanne Downes:  
 Sallyanne.Downes@atu.ie

Postgraduate Certificate

# Road Engineering and Design

This programme has been developed in collaboration with the Local Authority Services National Training Group (LASNTG) and the Department of Transport. It is designed to provide applied and advanced learning and skills for engineers working in the roads services sector, in both public bodies and private companies. Students will complete specific learning relating to the engineering and design of public road and transportation schemes, facilities, and networks.

## Key course details



### Entry Requirements

The minimum entry requirements are a pass in a BEng Honours degree (Level 8) in Civil Engineering or a related discipline or equivalent. Applicants without the standard academic qualification and with significant relevant work experience may also be considered through ATU Sligo's Recognised Prior Learning (RPL) process.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

There is a requirement to attend one/two full day on-campus workshops per semester with the number of workshops depending on the module requirements.



### Who should apply?

This programme is designed to facilitate Civil Engineering professionals working or intending to work in the road and land transport engineering and design sector to develop appropriate analytical, design and project management skills.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Sallyanne Downes: Sallyanne.Downes@atu.ie

Online

Level: 9

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €4500

Recognition of Prior Learning ✓

## What will I study?

### Modules

Geotechnical Engineering I

Drainage Systems Design and Flood Management

Road and Transport Scheme Design

Geotechnical Engineering II

Design of Bridge Structures

Project Management and Appraisal

Postgraduate Certificate

# Strategic Construction Management

This programme has been designed to equip students with the skills to devise and successfully deploy strategic initiatives within their construction organisation. It will provide the participants with an appreciation and knowledge of effective strategic management within the construction industry as well as the tools and techniques to implement this knowledge effectively.

## Key course details



### Entry Requirements

Candidates will be expected to hold an Honours degree Level 8 qualification in a relevant discipline or equivalent. As this programme caters for all professions, any Level 8 qualification will be considered.



### Study Hours

One-hour live lecture per module and four to five hours self-directed learning per module.



### Examination & Assessment

Final exams and continuous assessment.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Society of Chartered Surveyors Ireland (SCSI).



### Who should apply?

As the construction industry continues to adopt these approaches, this course is ideal for recently qualified graduates within the construction industry as well as experienced professionals looking to upskill to meet the coming challenges. The course will provide excellent opportunities for career progression.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Sallyanne Downes: Sallyanne.Downes@atu.ie

Online

Level: 9

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €3600

Recognition of Prior Learning ✓

## What will I study?

### Modules

Construction Contract Law

Contracts and Procurement

Environmental Policy, Planning and EIA

Strategic Management

Construction Economics and Finance

Business Management and Entrepreneurship

Certificate

# Wastewater Treatment Operations

In collaboration with Irish Water/Uisce Éireann and the Local Authority Services National Training Group, this programme has been tailored to address the increasing and demanding needs of wastewater treatment plant operations. This programme prepares students with the knowledge, skills and competencies required for success in the operation of water treatment plants. It starts by developing a greater understanding of the water industry in Ireland and then moves on to focus on specific specialist topics in the wastewater sector.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (e.g. Leaving Certificate) or equivalent.



### Study Hours

Students can expect 3-4 hours of lectures and 6-7 hours self-directed learning per week.



### Examination & Assessment

The modules on this programme are assessed through a mix of continuous assessment and final exams.



### On-Campus Attendance

2 full day workshops per semester at the Sligo Campus.



### External Accrediting Body

Chartered Institute of Water and Environmental Management.



### Who should apply?

This programme is suitable for existing water and wastewater plant operators and managers in local authorities, Irish Water/Uisce Éireann and private sector water organisations as well as those looking to work in this area in the future.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Doddy: [niamh.doddy@atu.ie](mailto:niamh.doddy@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4800

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

ICT & Transferable Skills

Water and Wastewater Science

Health and Safety for Treatment Plant Operators

Energy Management

Law & Compliance

Networks Flow Measurement and Control

Wastewater Sludge Treatment

Wastewater Treatment Plant Maintenance

Advanced Wastewater Treatment

Preliminary & Primary Wastewater Treatment

Wastewater Treatment

Certificate

# Water and Wastewater Operations

This programme is designed in conjunction with Irish Water/ Uisce Éireann to prepare people for working in the area of plant operation and maintenance for water and wastewater. Students will gain a greater understanding of computer applications, health and safety, flow measurement and controls, as well as law and compliance and energy management.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (e.g. Leaving Certificate) or equivalent



### Study Hours

Students can expect 3-4 hours of lectures and 6-7 hours self-directed learning per week.



### Examination & Assessment

The modules on this programme are assessed through a mix of continuous assessment and final exams.



### On-Campus Attendance

2 full day workshops per semester at the Sligo Campus.



### Who should apply?

This programme is suitable for existing water and wastewater plant operators and managers in local authorities, Irish Water/Uisce Éireann and private sector water organisations as well as those looking to work in this area in the future.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Doddy: [niamh.doddy@atu.ie](mailto:niamh.doddy@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

ICT & Transferable Skills

Water and Wastewater Science

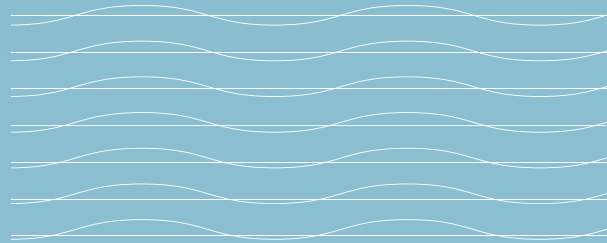
Health and Safety for Treatment Plant Operators

Energy Management

Law & Compliance

Networks Flow Measurement and Control

# Ríomhaireacht Computing



## Diploma Applied Data Technologies

This programme aims to help students to understand and bridge the gap in their applied knowledge of the potential of data technologies in the workplace. Students are not expected to have a significant computing background and will study topics such as SQL programming, database systems, business intelligence and data analytics and visualisation.

### Key course details



#### Entry Requirements

This programme is open to applicants who meet the following criteria: A full Level 6 qualification in any discipline. A full Level 5 qualification in any discipline with at least 3 years appropriate industry experience. Mature learners - preferably with appropriate industry experience.



#### Study Hours

Contact hours consist of a 2 hour online lecture, two evenings per week.



#### Examination & Assessment

100% continuous assessment.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This course is suitable for administrative staff and junior managers in a range of small and medium companies. This course is also targeted at upskilling ICT professionals to help them understand the potential of data technologies in the workplace.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

**Student Advisor:** Tricia Fitzpatrick: [tricia.fitzpatrick@atu.ie](mailto:tricia.fitzpatrick@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Database Systems

Data Analytics and Visualisation 1

Data Analytics and Visualisation 2

SQL Programming

Advanced SQL Programming

Business Intelligence



Postgraduate Certificate

# Automotive Artificial Intelligence

This programme has been developed in collaboration with industry and is aimed at Electronic, Computer, Mechanical and Mechatronic Engineers who wish to develop the skills required to design the next generation of technology for smart and autonomous vehicles.

## Key course details



### Entry Requirements

Applicants with a Level 8 Honours Degree 2.1 or above in Electronic Engineering, Mechatronic Engineering, Mechanical Engineering, Computer Science or a related discipline are eligible to apply for this programme.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

A mix of continuous assessment, laboratory exercise and exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for Electronic, Computer, Mechanical and Mechatronic Engineers looking to up-skill or re-skill into the Connected and Autonomous Vehicle profession.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Niamh Doddy: Niamh.Doddy@atu.ie

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Linear Algebra

ADAS and Autonomous System Architecture

Machine Learning

Multiple View Geometry in Computer Vision

Modelling, Simulation and Test Methods for Advanced Driver Assistance Systems

Sensor Fusion

Master of Science

# Big Data Analytics

This programme focuses on the processes involved in examining and interpreting large amounts of data of a variety of types to uncover hidden patterns, unknown correlations and other useful information. From banking and financial services to retail and healthcare, as well as life sciences, the opportunities in big data analytics are expanding all the time, and this course provides students with excellent qualifications to make the most of the ever increasing opportunities.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree in Computing, or equivalent, second class honours (2.2), or Higher Diploma in Computing (Conversion Course into Computing). Non computing applicants must have a minimum of 30 ECT credits in Computing or Computing related modules, or computer industry experience. Students without an Honours degree but have relevant experience may also be eligible to apply via Recognition of Prior Learning (RPL). Applicants may also attend a one week bridging course where necessary.



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

The majority of modules are assessed via 100% continuous assessment. One module is assessed via 50% coursework and 50% final exam.



### Who should apply?

This programme is suitable for individuals who have a strong interest in data analysis, programming, and statistical modelling, and who want to develop advanced skills in these areas to pursue a career in data science or related fields.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Business Intelligence

Machine Learning

Big Data Analytics

Mathematics for Analytics

Big Data Architecture

Data Science

Dissertation

# Big Data Analytics and Artificial Intelligence

## Award Options

- Master of Science
- Postgraduate Diploma

This programme focuses on the processes involved in examining and interpreting large amounts of data of a variety of types to uncover hidden patterns, unknown correlations and other useful information and then enabling computer systems to make independent decisions. From banking and financial services to retail and healthcare the opportunities in big data analytics and artificial intelligence are expanding all the time, and this course provides you with excellent qualifications to make the most of the ever increasing opportunities. Students will cover topics such as the principles of artificial intelligence, machine learning, big data analytics and big data architecture.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree in Computing, or equivalent, second class honours (2.2), or Higher Diploma in Computing (Conversion Course into Computing). Non computing applicants must have a minimum of 30 ECT credits in Computing or Computing related modules, or computer industry experience. Applicants without an Honours degree but have relevant experience may also be eligible to apply via Recognition of Prior Learning (RPL). Applicants may also attend a one week bridging course where necessary.



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for individuals who have a strong interest in data analysis, programming, statistical modelling, and AI techniques, and who want to develop advanced skills in these areas to pursue a career in data science, AI, or related fields.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

Mathematics for Analytics  
Principles of Artificial Intelligence  
Machine Learning  
Big Data Analytics  
Big Data Architecture  
Artificial Intelligence for Vision and NLP

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Dissertation

Online/On-Campus

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online or On-Campus

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

### Student Advisor: Tricia

Fitzpatrick:  
tricia.fitzpatrick@atu.ie

Postgraduate Certificate

# Blockchain for Managers

This programme is designed to provide in-depth knowledge and understanding of blockchain technology, with a focus on its applications in various industries. By leveraging blockchain, organisations can establish an immutable and trustworthy record of transactions, fostering accountability and traceability throughout their networks.

## Key course details



### Entry Requirements

This programme welcomes applicants with a minimum of an H2.2 Level 8 Honours Degree in Engineering, Science, Business, Finance, Computing, Law or related discipline on the NFAQ (National Framework of Qualifications).



### Study Hours

2 hours synchronous online learning, 1 hour asynchronous online learning. It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

This programme is assessed through 100% continuous assessment.



### Who should apply?

This programme is targeted at managers in any organisation that is looking at using blockchain to achieve data transparency, traceability, security, privacy, and real time analytics.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

**Student Advisor:** Eileen O'Hara: eileen.ohara@atu.ie

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Galway City

**Total fees:** €3600

€1200 per module. ICT Skillnet funding available

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Fundamentals of Blockchain

Blockchain for Digital Transformation

Blockchain for Decentralized Finance

Master of Science

# Blockchain Technologies and Applications

There is an increasing recognition of the importance of Blockchain and Distributed Ledger Technologies (DLTs) for companies in Ireland and internationally. The reason for this is that Blockchain/ DLTs are at the cutting edge of a vast range of new applications in quality control, contract management, digital currencies and transparency in governance. Blockchain is also a universal infrastructure that can store or transfer information anywhere, regardless of country.

## Key course details



### Entry Requirements

Applicants require an Honours degree with first or second-class honours or an equivalent qualification in Computing, Science, Engineering, Business, Finance, Mathematics or any associated discipline. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

100% continuous assessment



### Who should apply?

This programme will be of particular interest to students who wish to understand how Blockchain and Distributed Ledger Technologies with their underlying characteristics of Provenance, Immutability, Consensus and Finality can be used in healthcare, supply chain management, energy, trade systems, banking and finance, cybersecurity, intellectual property, digital verification and identity management and government services. By learning about blockchain graduates will become a key part of increasingly multi-skilled teams that are responsible for planning and managing the implementation of next-generation IT systems in almost all aspects of business and society.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

On-Campus

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Cryptography and Cryptographic Implementations

Decentralised Applications (D'Apps) Development and Smart Contracts

Distributed Ledger Technology, Cryptocurrencies and Non fungible Tokens

Cybersecurity and Blockchains

Information Security Management

Blockchain Technology

Dissertation

# Cloud Technologies

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

This programme will augment students' existing skills and knowledge to position them for a successful and rewarding career in Cloud Technologies. Successful graduates find opportunities in insurance companies, all major IT multinationals as well as any company using large data-centre based IT Systems. Roles include becoming a Cloud Architect or Engineer, a Cloud Systems Administrator or Cloud Services Developer.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree in Computing, or equivalent, second class honours (2.2), or Higher Diploma in Computing (Conversion Course into Computing). Students without an Honours degree but with relevant experience you may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for holders of an Honours degree in computing or those with an appropriate mix of academic qualifications and IT experience. This course will help maintain students' self-development with a set of skills that are transferable to the broader computing industry. These skills are reinforced with a strong emphasis on teamwork and the primary aim of the course is to empower students with the necessary theoretical and hands-on skills to allow them to work and make a significant contribution in a Cloud Technologies environment.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

Virtual Server Administration  
Networking  
Hybrid Cloud Technology  
Storage Technologies  
Security & Legal Issues  
Infrastructure as Code (IaC)

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

### Student Advisor:

Tricia Fitzpatrick:  
tricia.fitzpatrick@atu.ie

# Computer Networks and Cloud Infrastructure

This programme provides learners with the skills, knowledge, and competencies required to begin a career in Information Technology or Computer Networking. The programme enables learners to work with computer networks and cloud infrastructure in order to design, analyse, survey, configure, install, monitor, secure, evaluate, and troubleshoot network, server and telecommunications configurations.

## Key course details



### Entry Requirements

Applicants require a Level 7 in a Computer Networking programme or cognate area.



### Study Hours

Students must expect to attend live classes 2-3 times per week and each class lasts approximately 1 hour. It is recommended that students should try to allow for 7 hours per week for a 5 credit module.



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Duddy: [Niamh.Duddy@atu.ie](mailto:Niamh.Duddy@atu.ie)

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Strategic Technology Management

Software Defined Networks

Cyber Security

AWS Academy Cloud Computing Architecture

Cloud Storage Infrastructures

Infrastructure Security Testing

Master of Science

# Computing

This programme provides an opportunity for graduates from computing disciplines to further develop professionally and personally, as well as enhancing their career prospects, by undertaking formal post-graduate education on a full-time or part-time basis. The programme endeavours to develop in participants advanced thinking and technical know-how in a range of interrelated and technology-centric sub-disciplines of computing.

## Key course details



### Entry Requirements

Applications must have a minimum of a H2.2 Level 8 award in computing (software development) or a closely related discipline with a significant level of software development, e.g. computer engineering or information technology. H2.2 applicants whose primary degree does not include the development of the significant programming language competency necessary to participate successfully on the course will be required to demonstrate, through RPL or equivalent, the requisite standard before being admitted to the degree.



### Study Hours

Full-time students: 15-20 hours / week. Part-time students: 3-5 hours / week for each module. Part-time students who are already in employment may be eligible to complete their research project at their workplace.



### Examination & Assessment

All modules are assessed using a mixture of programming / technical assignments, written technical documentation, continuous assessment and a research dissertation / peer-reviewed journal or conference paper.



### On-Campus Attendance

On-campus attendance is only mandatory for on-campus modules or module elements.



### Who should apply?

Level 8 computing graduates, with good software development skills, who are interested in 12-month full-time study in on-campus / blended mode. Level 8 computing graduates, who are working in computing roles in industry, who are interested in 2+ years of part-time study in blended mode.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Taught Modules (10-credits Each, Choose 6)

Advanced Database Technology

Cloud Native Computing

Computer & Network Forensics

Cybersecurity and Secure Programming

Embedded Systems & Pervasive Sensing

Machine Learning

Software Quality & Testing

Statistical Computing

Text & Sequence Analytics

Research Modules (Mandatory)

Research Methods / Research Seminar

Research Project

# Computing

This programme is a nationwide initiative which aims to retrain graduates with backgrounds in disciplines other than computing and give them the skills they need to pursue a career in an IT related field.

## Key course details



### Entry Requirements

Applicants require a Level 8 qualification in an area other than Computing. Applicants may be asked to attend for interview and/or assessment to determine their suitability for the programme.



### Study Hours

It is recommended that students allow for 5-6 hours of study per 5 credit module.



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for graduates with backgrounds in disciplines other than computing seeking the skills they need to pursue a career in an IT related field.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Niamh Duddy: Niamh.Duddy@atu.ie

Online

Level: 8

Credits: 70

Duration: 2 years

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Sligo

Total fees: €7500

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Object Oriented Software Development 1

Information Systems

Web and UI Design

Object-Oriented Software Development 2

Web Applications Development

Advanced Databases

Computer Architecture,  
Operating Systems & Networks

Systems Analysis and Testing

Cloud Computing

Secure Networks

Elective: Project

Elective: Work Placement

# Computing

This is a Level 8 Honours-degree-equivalent conversion-style Higher Diploma in Computing. The objective of the the course is to take graduates in non-computing fields and augment their skills and knowledge in readiness to begin a career in the computing industry.

## Key course details



### Entry Requirements

Applicants require a second class honours (2.2) Level 8 Honours degree in any discipline, or equivalent, or any Level 7 with at least 3 years experience. Applicants with relevant experience may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Contact hours consist of a 2 hour online lecture, two evenings per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is suitable for graduates from non-computing fields looking to pursue a career in the computing industry. This course is specifically designed to ensure graduates have both a base for continuing self-development and a set of core competencies which are transferable to the broader computing industry.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

**Student Advisor:** Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online

Level: 8

Credits: 60

Duration: 1 or 2 years

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Letterkenny

Total fees: €3000

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Database Technology

Computer Systems

Software Development

Software Development and  
Quality Assurance

Software Development and  
Testing

Internet Applications

# Computing (Data Science)

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

Data Science is a multi-disciplinary field that attempts to extract knowledge from structured and unstructured data. It combines techniques from mathematics, statistics, information theory, computer science and artificial intelligence with applications in a wide variety of fields. This programme combines 7 taught modules with a strong research project, where students are given the opportunity to implement their learning within a real-life context.

## Key course details



### Entry Requirements

Applicants should hold a Level 8 Honours Degree 2:2 or above. While it is expected that most applicants will have an honours degree in Computer Science or related discipline, due to the multidisciplinary nature of Data Science an Honours Degree in Engineering, Business and Science will be sufficient. However, some programming knowledge (Ideally Python or C/C++ or R) and mathematics knowledge are prerequisites to the course.



### Study Hours

Students are expected to attend 2-3 lectures each week which can range from 1-3 hours. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed through a blend of continuous assessment and final exams. At Masters level, students also undertake a Research Project.



### On-Campus Attendance

No attendance required.



### Who should apply?

A qualification in Data Science skills can lead to an exciting career in an array of industries including IT, financial services, retail, and manufacturing. These roles are not confined to IT based positions but can lead to roles in business intelligence, analysts, or data warehouse consultants.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1.5 years

**Credits:** 35

**Total fees:** €3000

Applied Statistics and Probability  
Introductory Programming for Data Science  
Applied Linear Algebra  
Data Analytics and Visualisation  
Machine Learning  
Research Methods for Data Science  
Programming for Big Data

### Master of Science

**Duration:** 2.5 years

**Credits:** 90

**Total fees:** €9000

Data Science Research Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Niamh Doddy:  
Niamh.Doddy@atu.ie

Higher Diploma

# Computing (ICT) 1 year

This is a Level 8 honours-degree-equivalent conversion-style Higher Diploma in Computing. The objective of the course is to take graduates in non-computing fields and augment their skills and knowledge in readiness to begin a career in the computing industry.

## Key course details



### Entry Requirements

Applicants require a second class honours (2.2) Level 8 Honours Degree in any discipline, or equivalent. Applicants with relevant experience you may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Contact hours consist of a 2 hour online lecture, two evenings per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for graduates from non-computing fields looking to pursue a career in the computing industry. The course is specifically designed to ensure graduates have both a base for continuing self-development and a set of core competencies which are transferable to the broader computing industry.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 8

**Credits:** 80

**Duration:** 1 year

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €3000

**Employed:** €745.

**Unemployed:** Free

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Database Technology

Computer Systems

Software Development

Software Engineering & Quality

Assurance

Software Development &  
Testing

Internet Applications

Higher Diploma

# Computing (ICT) 2 year

This is a Level 8 honours-degree-equivalent conversion-style Higher Diploma in Computing. The objective of the course is to take graduates in non-computing fields and augment their skills and knowledge in readiness to begin a career in the computing industry.

## Key course details



### Entry Requirements

Applicants require a second class honours (2.2) Level 8 Honours Degree in any discipline, or equivalent. Applicants with relevant experience you may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Contact hours consist of a 2 hour online lecture, two evenings per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for graduates from non-computing fields looking to pursue a career in the computing industry. The course is specifically designed to ensure graduates have both a base for continuing self-development and a set of core competencies which are transferable to the broader computing industry.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

**Student Advisor:** Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online

**Level:** 8

**Credits:** 80

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €3000

**Employed:** €625.

**Unemployed:** Free

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Database Technology

Computer Systems

Software Development

Software Engineering & Quality  
Assurance

Software Development &  
Testing

Internet Applications



# Computing for Educators

This unique course allows educators to engage with material that will provide them with confidence and technical skills to deliver ICT in schools for the 21st century. The certificates have been carefully crafted to ensure that educators will be given opportunity to gain proficiency and to derive tangible elements for their own classrooms. Each certificate is worth 10 ECT credits and is at Level 8. Educators can take as many or as few of the certificates as they wish but completing 6 certificates will enable the participant to convert their 60 credits into a Higher Diploma in Computing for Educators.

## Key course details



### Entry Requirements

Applicants require a full Level 8 qualification, or equivalent, or a B.Ed. Preference will be given to professionals working in the education sector.



### Study Hours

There are two Saturday live classes. The remaining are reading classes.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Saturday live classes are on campus in ATU Donegal Letterkenny, ATU Galway City, or through the Online Classroom.



### Who should apply?

This programme is designed for individuals who have an interest in both education and computing, and who want to develop skills in these fields to pursue a career as an educator in computing, information technology, or related disciplines. Candidates who might be well-suited include teachers or educators, graduates with a non-computing bachelor's degree, professionals with industry experience and career changers.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** Flexible

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny or

Galway

**Total fees:** €200 per module

**Recognition of  
Prior Learning** X

## What will I study?

### Modules

Coding Principles

Database Technology

Coding with Syntax

Web Development and HCI

Block Based Mobile Application  
Development

Robotic for the Classroom

Digital Citizenship

Data Science

Computer Systems

Technology for the Primary  
Classroom

Software Engineering

Computer Science Unplugged

Project Management

Delivering Applied Learning  
Tasks



# Connected and Autonomous Vehicles

## Award Options

- **Master of Engineering**
- **Postgraduate Diploma**

This programme, which has been developed in collaboration with industry, specialises in the design and development of Advanced Driver Assistance Systems - the underlying technology of smart and autonomous vehicles. It brings together interdisciplinary concepts such as computer vision, artificial intelligence, vehicle dynamics and advanced sensor systems to provide current engineers with the skills required to design the next generation of automotive technology.

## Key course details



### Entry Requirements

Applicants with a Level 8 Honours Degree 2.1 or above in Electronic Engineering, Mechatronic Engineering, Mechanical Engineering, Computer Science or a related discipline are eligible to apply for this programme.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

A mix of continuous assessment, laboratory exercise and exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those looking to up-skill or re-skill into the Connected and Autonomous Vehicle profession.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €7200

Applied Linear Algebra  
 ADAS and Autonomous System Architecture  
 Environment Detection  
 Multiple View Geometry in Computer Vision  
 Automotive System Safety & Cybersecurity  
 Applied Statistics and Probability  
 Research Methods  
 Machine Learning  
 Vehicle Dynamics and Control  
 Modelling, Simulation and Test Methods for Advanced Driver Assistance Systems  
 Connected Vehicles  
 Sensor Fusion

### Master of Engineering

**Duration:** 2.5 years

**Credits:** 90

**Total fees:** €10,800

MEng CAV Research Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Niamh Doddy:  
 Niamh.Doddy@atu.ie

Bachelor of Science (Honours)

# Contemporary Software Development

The objective of this course is twofold: to guide learners who have good general experience in and knowledge of general computing and augment their skills and knowledge in readiness to begin a career in software development and also to upskill existing programmers who may have gotten “stuck” in legacy programming languages and development techniques.

## Key course details



### Entry Requirements

Applicants require a Level 7 degree in Computing or equivalency= 180 credits at level 6 or 7 including at least 60 credits in Computing at level 7 or a combination of appropriate credits and relevant work experience in Computing. Candidates who do not hold these qualifications may also apply on the basis of Recognised Prior Learning.



### Study Hours

Contact hours consist of a 2 hour online lecture, two evenings per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme may be suitable for professionals or graduates with a background in computing who are interested in a career in software development. It is also suitable for existing programmers who may be more familiar with legacy programming languages.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

**Student Advisor:** Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Software Development

Software Processes

Contemporary Software Development

Cross Platform Development

DevOps Pipeline

Project

Master of Science

# Cyberpsychology

This programme offers a deep understanding of the intersection between psychology and technology. It builds on the knowledge and skills gained from undergraduate degrees and provides students with the opportunity to develop their expertise further in this growing field. Students will learn how digital technologies impact human behaviour and interactions online, and how they can be used to enhance well-being, communication, and learning.

## Key course details



### Entry Requirements

An Honours Degree with first or second-class honours or an equivalent qualification. Applicants should have exposure to computing, design, social sciences or psychology.



### Study Hours

Students can expect 8 hours of lectures per week, and should allow for 15-20 hours of independent study per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Full time attendance is required.



### Who should apply?

This programme will be of particular interest to students who wish to develop psychological insights into human interactions with digital technologies, and to learn to apply this knowledge in a wide variety of sectors that deal with the human computer interface point. They will become part of increasingly multi skilled teams that design deliver and regulate all manner of software and hardware solutions for humans. We will equip our graduates to be able to work effectively in contemporary workflow settings.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

On-Campus

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Cyber Ethics

Homan Computer Interaction

Artificial Intelligence and Ethical responsibility

UX Design

Social Cyberpsychology

Behaviour Across the Cyber Lifespan

Dissertation

# Cybersecurity

## Award Options

- **Master of Science**
- **Postgraduate Diploma (Computing in Cybersecurity)**

This is a three block programme followed by a dissertation. Developed in collaboration with the IT industry, following graduation students will be perfectly positioned to make the most of their future career opportunities in cybersecurity. At the heart of the course is a focus on a range of topics applicable to Cybersecurity, Software Compliance, Threat Management and Information security Management. This is followed by a dissertation where students can apply their learning to demonstrate an extended knowledge and ability in that area.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree in Computing, or equivalent, second class honours (2.2), or Higher Diploma in Computing (Conversion Course into Computing). Students without an Honours degree but with relevant experience may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

The majority of modules are assessed via 100% continuous assessment. One module is assessed via 50% coursework and 50% final exam.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for individuals who have a strong interest in information security, computer networks, and protecting digital systems and data from cyber threats.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

Secure Information Systems  
Cryptography and Forensic Analysis  
Cybersecurity with Software Compliance  
Cybersecurity with Information Security Management  
Cybersecurity with Threat Management

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Dissertation

Online/On-Campus

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online or On-Campus

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

### Student Advisor: Tricia

Fitzpatrick:  
tricia.fitzpatrick@atu.ie

# Cybersecurity Operations

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

The objective of this programme is to educate IT practitioners in responding to cyber-attack incidents. It examines the tools to identify threat actors. Models and frameworks are followed to manage the response. Data analytics can use tools such as machine learning to identify anomalies in organisational IT traffic.

## Key course details



### Entry Requirements

Applicants require a Level 8 qualification in an IT related discipline.



### Study Hours

Students can expect 11 weekly contact hours on average. In Year 1, students undertake 3 modules of live and recorded lectures, tutorials and self guided study. Research Methods is self guided requiring approximately 4 hours per week. In Year 2, students undertake a self-guided and supervised Dissertation.



### Examination & Assessment

Assessment in each module will be on the basis of 100% continuous assessment. This may include projects; e-portfolios; reflections; lab based practicals; group assignments; team work; presentations; problem based tasks; book and academic article reviews; academic essays (incorporating a literature review and a 17.500- word formal dissertation); individual and group case study assignments; formal poster presentations; a formal interview examination; peer review; self assessment and/ or mid-session practical examinations.



### On-Campus Attendance

Module content is delivered online with synchronous and asynchronous lectures. There is no mandatory requirement for on-campus attendance. There is an optional 1-day per term on-campus tutorial session providing opportunity to meet and network with class colleagues and lecturers.



### Who should apply?

This programme is aimed at IT professionals seeking to upskill/reskill in the domain of cybersecurity.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Incident Detection and Response  
Programming for Cybersecurity  
Security Operations

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Research Methods  
Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

Certificate

# Data Cybersecurity

This programme aims to upskill IT practitioners in the current data cybersecurity practices in line with standards, risks and compliance best practices in the implementation and operation of a secure environment for an organisation and to implement security measures at the network and operating system level to protect data from unauthorised access, disclosure, modification, or destruction.

## Key course details



### Entry Requirements

The minimum entry requirement is a Level 6 (Higher education) major award in a cognate area or equivalent.



### Study Hours

Students can expect to have 9-11 contact hours per week on average. Students are also expected to carry out 10 hours of self-guided study per week.



### Examination & Assessment

This programme is assessed entirely via continuous assessment.



### On-Campus Attendance

There will be occasional on-site tutorials to explore Network Cybersecurity scenarios (1-2 days per month). These will also be streamed via Teams for anyone who cannot attend on the day.



### Who should apply?

This programme is suitable for those looking to upskill and start a career in Cybersecurity.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €1620

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Cybersecurity Standards, Risk and Compliance

Database Management

Information Technology Project Management

Cloud Information Security

Information Technology Operations Management

Cybersecurity Practical Project

Master of Science

# Data Science

This conversion programme is designed for individuals who do not have a strong background in data science or related fields but want to transition into a career in data science or related areas.

## Key course details



### Entry Requirements

Applicants require an Honours degree with first or second-class honours or an equivalent qualification. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

Applicants can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

The majority of modules are assessed via 100% continuous assessment. Two modules are assessed via 50% coursework and 50% final exam.



### On-Campus Attendance

Full-time attendance required.



### Who should apply?

This programme will be of particular interest to graduates from a wide range of non-computing disciplines who wish to become data scientists.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 9

**Credits:** 110

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Programming

Data Systems

Applied Statistics

Discrete Mathematics (E)

Descriptive Analytics and Visualisation

Data Operations and Management

Computational Mathematics

Machine Learning

Predictive Analytics

Deep Learning

Dissertation

# DevOps

## Award Options

- **Master of Science**
- **Postgraduate Diploma (Computing in DevOps)**

DevOps is the practice of operations and development engineers participating together in the entire service lifestyle, from design through development process to production. DevOps is characterised by operations staff harnessing the same techniques as developers for their systems work. Topics the course covers include: DevOps Software Engineering, Project Management and Deployment Pipelines.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree in Computing, or equivalent, second class honours (2.2), or Higher Diploma in Computing (Conversion Course into Computing). Students without an Honours degree with relevant experience may also be eligible to apply via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for individuals who have a strong interest in software development, IT operations, and continuous integration and deployment processes, and who want to develop advanced skills in these areas to pursue a career in DevOps or related fields.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

DevOps Software Engineering  
IaC for DevOps Pipelines  
Placement  
Disruptive processes and Technologies with DevOps  
DevOps Project Management

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Dissertation

Online/On-Campus

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online or On-Campus

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

### Student Advisor:

Tricia Fitzpatrick:  
tricia.fitzpatrick@atu.ie

Bachelor of Science

# Electric Vehicle Technology

This course will allow candidates with no previous experience in EV technology to gain the ability to diagnose and repair faults in High Voltage systems and a wider relevant skill set.

## Key course details



### Entry Requirements

Applicants require an Advanced Certificate in Motor Mechanic Apprenticeship (level 6) or equivalent.



### Study Hours

6 hours per week (Two evenings).



### On-Campus Attendance

This course is delivered through blended distance learning in the evenings for approximately 6 hours per week, with learners participating in 5 independent in-house weekend training days over the duration of the 1-year course.



### Who should apply?

This programme would be suitable for mechanics or technicians seeking to gain the skill set required to work on Electric Vehicles.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €3000

Springboard+ funding available

**Recognition of Prior Learning** X

## What will I study?

### Modules

Thermodynamics and Battery Technology

IT Systems for Automotive Applications

High Voltage Fault Diagnosis

Management of Business Innovation and Communications

Advanced High Voltage Fault Diagnosis

Industrial Studies

Bachelor of Engineering (Honours)

# Electronic and Computer Engineering

The Level 8 BEng (Hons) in Electronic and Computer Engineering offers a comprehensive curriculum focused on embedded systems, digital signal processing, programmable logic, and artificial intelligence. It equips students with essential communication and engineering skills for industry roles and lays the groundwork for careers in sectors like automotive, medical, and renewable energy technology.

## Key course details



### Entry Requirements

Applicants require an average grade of above 50% at Level 7 in Electronic Engineering or a related discipline. Applicants with other qualifications and/or with relevant industrial experience will also be considered through the RPL process.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

A mix of continuous assessment, laboratory exercises and exams.



### On-Campus Attendance

One/two days per semester.



### Who should apply?

This programme is suitable for those in a technician role looking to up-skill to Engineer level in the Electronics profession.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Niamh Doddy: Niamh.Doddy@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Real-time Operating Systems

Programmable Logic Technology

Advanced Embedded Systems

Digital Signal Processing 401

Digital Signal Processing 402

Artificial Intelligence

Operating Systems Interfacing

Advanced Embedded Programming

Operations Management

Electronics Level 8 project

Mathematics 4



Bachelor of Engineering

# Electronic and Computer Engineering

This course accredited by Engineers Ireland positions graduates for a promising career at the Associate Engineering level across the electronics, software, or manufacturing industries, offering a broad spectrum of opportunities in technological innovation and design.

## Key course details



### Entry Requirements

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



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

A mix of continuous assessment, laboratory exercise and exams.



### On-Campus Attendance

One/two days per semester.



### External Accrediting Body

Engineers Ireland Associate Engineer.



### Who should apply?

This programme is suitable for technicians with a Level 6 qualification in electronics or related disciplines looking to up-skill into the Electronics profession.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Niamh Duddy: Niamh.Duddy@atu.ie

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6800

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

System Design Integration and Test

Digital Signal Processing 301

Digital Signal Processing 302

Embedded Systems 1

Embedded Systems 2

Data Communications

Mobile Applications

Programming

Professional Development & Employability

Essential Lean Six Sigma and Validation

Mathematics 3

L7 Final Year Project

Master of Science

# Healthcare Innovation and Technology

Healthcare Innovation and Technology (or Health Informatics) sits at the intersection of information science, computer science, and health care. This field deals with a wide range of tools required for the acquisition, storage, retrieval, and use of information in healthcare. Graduates of this programme will be qualified to work in hospital and healthcare systems, health informatics companies, medical research organisations, medical technology companies and private and public health organisations.

## Key course details



### Entry Requirements

Applicants require an Honours degree in Health Sciences, Allied Healthcare or Medicine with first or second-class honours or an equivalent. Candidates who do not have Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

Students can expect to allow between 10 and 20 hours for study per week.



### Examination & Assessment

The majority of modules are assessed via 100% continuous assessment. Two modules are assessed via 50% coursework and 50% final exam.



### On-Campus Attendance

Full-time attendance required.



### Who should apply?

This programme will provide healthcare professionals with the opportunity to develop their understanding of the field of ICT and its application to improving healthcare.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

On-Campus

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

IT Systems for Delivery of Healthcare

Wearable Sensor Technologies

Data Analytics and Statistical Analysis

Research and Development for Healthcare Innovation

Assessing Wearable Sensor Systems

Ethics in Healthcare Research

Dissertation

Bachelor of Science

# Network Cybersecurity

This programme aims to upskill IT practitioners in current tools and techniques to protect information at rest, in transit, or processed for an organization in line with industry best practices and in compliance with appropriate standards. Data security is omnipresent and every organisation implements security measures to protect data from unauthorised access, disclosure, modification, or destruction.

## Key course details



### Entry Requirements

The minimum entry requirement is a Level 6 (Higher education) major award in a cognate area or equivalent.



### Study Hours

Students can expect to have 10-13 contact hours per week on average. Students are also expected to carry out 10-15 hours of self-guided study.



### Examination & Assessment

This programme is assessed entirely via continuous assessment.



### On-Campus Attendance

Occasional on-site days to explore Cybersecurity related tutorials (1-2 per month). These tutorials are also streamed over Microsoft Teams for any participant who cannot make it.



### Who should apply?

Anyone looking to upskill in the area of Cybersecurity and Data Protection.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €3600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

The Next Step - Transitioning to Work

LAN Cybersecurity

Network Operating Systems Security

Network Routing & Switching

Cybersecurity Standards, Risk, and Compliance

Database Management

Information Technology Project Management

Cloud Information Security

Information Technology Operations Management

Cybersecurity Practical Project

Certificate

# Network Cybersecurity

This programme aims to upskill IT practitioners in current tools and techniques to provide a secure network environment for an organization. It involves configuring network equipment and software of an organization to protect against malicious external and internal threats. The objective is to provide a pathway for professionals to upskill to ensure secure IT network infrastructure for organisations.

## Key course details



### Entry Requirements

The minimum entry requirement is a Level 6 major award or equivalent. The applicant must have a working knowledge of Information Technology as evidenced by a Level 6 standard or equivalent cognate area or relevant work experience.



### Study Hours

Students can expect to have 7 contact hours per week on average. Students are also expected to carry out 10 hours of self-guided study per week.



### Examination & Assessment

This programme is assessed entirely via continuous assessment.



### On-Campus Attendance

There will be occasional on-site tutorials to explore Network Cybersecurity scenarios (1-2 days per month). These will also be streamed via Teams for anyone who cannot attend on the day.



### Who should apply?

This programme is suitable for those looking to upskill and start a career in Cybersecurity

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €1620

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

The Next Step - Transitioning to Work.

LAN Cybersecurity

Network Operating Systems Security

Network Routing & Switching

Postgraduate Certificate

# Sensors for Autonomous Vehicles

This programme specialises in Environment Detection and Computer Vision for Advanced Driver Assistance Systems, the underlying technology of smart and autonomous vehicles. It brings together interdisciplinary concepts to provide engineers with the skills required to contribute to the development of the next generation of automotive technology.

## Key course details



### Entry Requirements

Graduates with a Level 8 Honours Degree 2:1 or above in Electronic Engineering, Mechatronic Engineering, Mechanical Engineering, Computer Science or a related discipline are eligible to apply for this programme. Programming knowledge (Ideally C++) and Level 8 Engineering Maths are pre-requisites to the course. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

For part-time online or blended learning, it is recommended that you should try to allow for 5-6 hours per week per 5 credit module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

This programme is primarily delivered online with attendance required for some on-campus workshops.



### Who should apply?

This course is aimed at Electronic, Computer, Mechanical and Mechatronic Engineers who wish to develop the skills required to design the next generation of technology for smart and autonomous vehicles.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Doddy: [Niamh.Doddy@atu.ie](mailto:Niamh.Doddy@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Linear Algebra

ADAS and Autonomous System Architecture

Environment Detection

Multiple View Geometry in Computer Vision

Automotive System Safety & Cybersecurity

Applied Statistics and Probability

Bachelor of Science (Honours)

# Software Development

This programme focuses on the design and development of software. Students can expect to cover subject areas such as advanced programming, machine learning, artificial intelligence, security, and user experience.

## Key course details



### Entry Requirements

Applicants require a Level 7 in a Software Development programme or cognate area. Advanced entry may be possible in some case through an examination of your experiential learning. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Who should apply?

This programme is suitable for those seeking a future career paths in roles such as software testing, software engineer, web developer, application developer, mobile app developer, games developer, systems analyst, project manager.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** X

## What will I study?

### Modules

Strategic Technology Management

Secure Software Development

Data Analytics

Machine Learning

AWS Academy Cloud Architecting (ACA)

Software Application Security Testing [E]

Advanced Database Concepts [E]

Artificial Intelligence

Startup Engineering

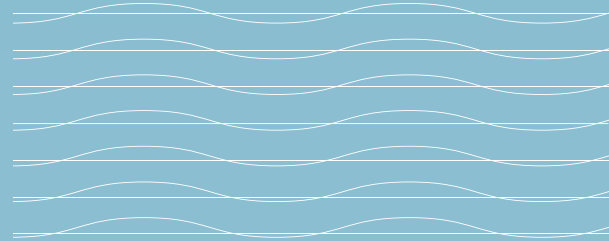
Project 400

Advanced Programming

User Experience (UX)

[E] = Elective Module.

# Innealtóireacht Leictreach & Mheicniúil Electrical & Mechanical Engineering



## Bachelor of Engineering (Honours) Advanced Manufacturing Systems

This innovative programme has been designed in close consultation with the manufacturing industry, who have identified a requirement to upskill their employees. The programme offers a progression route for Level 7-qualified manufacturing engineers (or cognate) who wish to progress into advanced manufacturing. The programme is delivered to allow flexibility for people who wish to upskill while continuing to work.

### Key course details



#### Entry Requirements

Applicants require a B.Eng. in Manufacturing Engineering or related discipline with a minimum of one year experience in the manufacturing industry. As the Industrial engineering project is an applied project to be conducted in industry, applicants should either be employed or have an agreement with a company that will allow them to conduct their project in their manufacturing facilities.



#### Study Hours

Students attend two evenings of online classes per week as well as 6 on-site workshop days (Saturdays). As students obtain 60 credits in one calendar year, they can expect a significant amount of self-study in addition to the contact hours.



#### Examination & Assessment

The modules will be continually assessed via ongoing assignments coupled with extensive group project work and 2 exam/assessment days.



#### On-Campus Attendance

Students are required to attend 6 on-site days at the Galway City Campus.



#### Who should apply?

This programme is suitable for holders of a B.Eng. in Manufacturing Engineering or related discipline with a minimum of one year experience in the manufacturing industry who are looking to up-skill and move into advanced manufacturing positions - such as digitalisation of manufacturing, data analytics and operation management - in the medical device and engineering manufacturing sectors.

Blended

Level: 8

Credits: 60

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: Galway City

Total fees: €6000

Funding available from Irish Medtech Skillnet

Recognition of Prior Learning ✓

### What will I study?

#### Modules

- Cloud Infrastructure and Enterprise Services
- Decision Theory and Data Visualisation
- Lean Enterprise Engineering
- Six Sigma Engineering
- Advanced Manufacturing Systems
- Digital Twin Technology
- System Integration
- Innovation and Enterprise
- Industrial Engineering Project

### Course Contacts

#### Admissions:

learn.galwaymayo@atu.ie

Master of Engineering

# Automation and Digital Manufacturing

This programme is part of a suite of programmes developed with Industry to support the transition to Industry 4.0. It is specifically designed for engineers working in the manufacturing industry who wish to upskill in the field of Automation and Digital Manufacturing. Students will take 40 credits of taught modules which will have assessments contributing to their 50 credits work-based research project.

## Key course details



### Entry Requirements

Candidates must hold Level 8 Bachelor (Hons) degree or Higher Diploma in Automation & Digital Manufacturing or a B.Eng. (Hons) in Mechatronics or cognate discipline with a minimum grade classification of H2.2 or equivalent. As the research is industry based, applicants must either have the support of their employer to conduct research or have an agreement with a company to use their facilities for the purpose of their research.



### Study Hours

In semesters 1 and 2, students attend 4 hours of online synchronous workshops per week and engage in 6 hours of asynchronous material per week. The Research Project is fully integrated in the taught modules in semesters 1 and 2 and continues as a stand-alone module in semesters 3 and 4 under the guidance of an individual supervisor.



### Examination & Assessment

The modules will be continually assessed via ongoing assignments coupled with project work.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for automation engineers working in industry wishing to upskill to a Level 9 while working. The research project can be fully embedded in the student's day-to-day job to optimise their workload.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Research Methods

System Integration

Lean Automation

Data Driven Decision Making

Research Project in Automation and Digital Manufacturing

Bachelor of Engineering (Honours)

# Automation and Digital Manufacturing

This innovative programme has been designed in close consultation with the manufacturing industry, who have identified a requirement to upskill their employees. The programme offers a progression route for Level 7-qualified manufacturing engineers (or cognate) who wish to progress into advanced manufacturing. The programme is delivered to allow flexibility for people who wish to upskill while continuing to work.

## Key course details



### Entry Requirements

Applicants for this programme require a B.Eng. in Automation and Robotics or equivalent. As the system integration project is an applied project to be conducted in industry, applicants should either be employed or have an agreement with a company that will allow them to conduct their project in their manufacturing facilities.



### Study Hours

Students attend two evenings of online classes per week. As students obtain 60 credits in one calendar year, they can expect a significant amount of self-study in addition to the contact hours.



### Examination & Assessment

The modules will be continually assessed via ongoing assignments coupled with project work.



### On-Campus Attendance

Students attend one day per week at the Galway City Campus.



### Who should apply?

This programme is suitable for graduates of the Level 7 in Automation and Robotics, or equivalent, working in industry and wishing to upskill to a Level 8 qualification. The course will position graduates to move into automation engineering positions or advanced manufacturing ones - such as digitalisation of manufacturing, data analytics and operation management - in the medical device and engineering manufacturing sectors.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €6000

Funding available from  
Cobotics Skillnet

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Machine Vision for Industry

Decision Theory and Data Visualisation

Cloud Infrastructure and Enterprise Services

Digital Twin Technology

Lean Process Automation

Advanced Automation

Database Design and Development

System Integration

System Integration project

Higher Diploma in Engineering

# Automation and Digital Manufacturing

This innovative programme has been designed in close consultation with the manufacturing industry in the western region, who have identified a requirement to upskill their employees. The programme offers a conversion route for Manufacturing Engineers (or cognate) who wish to re-direct their career towards Automation and Digital Manufacturing. The programme is flexible in nature, offering an opportunity to employees to up-skill while remaining in work.

## Key course details



### Entry Requirements

The entry requirement for the programme is a Bachelor (Hons) in Manufacturing Engineering (or cognate, including Mechanical, Electronic, Electrical Engineering) with a minimum of one year working in the manufacturing industry. As the digital transformation project is an applied project to be conducted in industry, applicants should either be employed or have an agreement with a company that will allow them to conduct their project in their manufacturing facilities.



### Study Hours

Students will undertake 60 credits per year, which is a full-time academic load. Their employer should commit to reduce their professional workload by a minimum of 12 hours per week during the academic year to accommodate study time and a minimum of 4 hours for the rest of the year to work on their project.



### Examination & Assessment

The modules will be assessed by continuous assessment.



### On-Campus Attendance

Students attend on-site classes one day per week.



### Who should apply?

This programme is suitable for those looking to move into automation engineering positions or advanced manufacturing ones - such as digitalisation of manufacturing, data analytics, operation management - in the medical device and engineering manufacturing sectors.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €6000

Funding available from

Cobotics Skillnet

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Students take the mandatory modules (M) and choose 4 other modules from the list of electives. Some electives might only run if sufficient demand.

Industrial Control Systems (M)

Decision Theory and Data Visualisation

Industrial Robotics (M)

Machine Vision for Industry

Cloud Infrastructure and Enterprise Services

Digital Twin Technology

Lean Process Automation (M)

System Integration (M)

Industrial Networks

Actuators for Industrial Automation

Advanced Automation

Database Design and Development

Digital Transformation Project (M)

Certificate in Engineering

# Automation and Instrumentation

This programme is designed as a one-year online qualifier to allow holders of craft qualifications and others with substantial relevant work experience to progress to the Level 7 BEng in Mechatronics. The subjects covered are highly relevant to working in the world of automation and include subjects such as programming, instrumentation, pneumatics and mathematics.

## Key course details



### Entry Requirements

Entry to the programme is open to candidates who have completed Phase 6 of a relevant craft certificate or equivalent. Those who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via RPL.



### Study Hours

Student can expect a 1 hour lecture and a 2 hour practical per week and per module. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

Most subjects are assessed through a written exam at the end of the semester and students will also be graded on practical work throughout the semester.



### On-Campus Attendance

Students are welcome to attend two optional labs, or they may be taken fully online.



### Who should apply?

This programme offers a variety of career progression opportunities for qualified craftspersons. For example, a machine operator can move to become a maintenance technician. A manufacturing or process technician can become an automation engineer. Electricians have the potential to become automation equipment technicians.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Natalie McNulty: Natalie.McNulty@atu.ie

Online

**Level:** 6

**Credits:** 35

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Instrumentation 1

Instrumentation 2

Programming Fundamentals

Programming, Communications and Interfacing

Pneumatic, Electro-Pneumatic and Hydraulic Systems

Automation Programming (PLCs)

Introduction to Engineering Mathematics

Bachelor of Engineering

# Automation and Robotics

This programme is an industry-led degree designed to upskill employees in the manufacturing sector. This is an innovative programme that has been designed in close consultation with manufacturing industries in the western region who have identified a requirement to up-skill their employees. The aim of the programme is to graduate engineers that can build and manage modern manufacturing cells.

## Key course details



### Entry Requirements

Applicants should be employed in the manufacturing industry and have an agreement with their employer to be released one day per week. The students from industry may start in Year 1, or they may avail of advanced entry depending on their background and qualifications. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students will undertake 60 credits per year, which is a full-time academic load. Their employer should commit to reduce their professional workload by a minimum of 12 hours per week during the academic year to accommodate study time and a minimum of 4 hours for the rest of the year to work on their project.



### Examination & Assessment

The modules will be assessed by both continuous assessment, via ongoing assignments coupled with extensive group project work, and an exam week.



### On-Campus Attendance

Semester 1 & 2, one day per week on-site for laboratory work (9am to 6pm) in ATU Galway City. Semester 3 custom industry training and Industry Project / Work Placement. Each year students attend either one or two weeks of certified training (Allen Bradley and FANUC).



### Who should apply?

This is an industry-led degree designed to upskill employees in the manufacturing sector. Graduates of this programme have the skills and knowledge to design and maintain automated manufacturing processes and integrate in-house and vendor automation solutions.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 180

**Duration:** 3 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €18,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Academic and Professional Skills

Electrical Principles and Automation

Engineering Science

Computer Aided Design

Mathematics Fundamentals

Industry Module 1

Networking Technology

Regulatory Affairs

Instrumentation and Control

Project Management

Programming with Python

Mathematics 2

Automation 2

Industry Module 2

Mechanical Systems

Programming with C and C++

Control Systems

Six Sigma Quality

Industrial Robotics

Higher Certificate in Engineering

# Automation and Robotics

This is an innovative programme that has been designed in close consultation with manufacturing industries in the western region, who have identified a requirement to up-skill their employees. This programme will equip students with the skills and knowledge to design and maintain automated manufacturing processes and integrate in-house and vendor automation solutions.

## Key course details



### Entry Requirements

Applicants should be employed in the manufacturing industry and have an agreement with their employer to be released one day per week. They will attend the course while maintaining their full-time employment. The students from industry may start in Year 1, or they may avail of advanced entry depending on their background and qualifications. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students will undertake 60 credits per year, which is a full-time academic load. Their employer should commit to reduce their professional workload by a minimum of 12 hours per week during the academic year to accommodate study time and a minimum of 4 hours for the rest of the year to work on their project.



### Examination & Assessment

The modules will be continually assessed via ongoing assignments coupled with extensive group project work, thereby simulating real-world industrial engineering practices.



### On-Campus Attendance

One day per week in ATU Galway City campus (09.00-18.00). Semester 3 (May-Aug), is dedicated to an Industry Module. These work-based modules include certified trainings on PLC and Robotics as well as design, build and program projects.



### Who should apply?

This programme is suitable for professionals working in the manufacturing industry wishing to obtain a qualification in Automation and Robotics. Holders of a level 6 Craft Certificate working as automation technicians can benefit from advanced entry in Year 2 of the programme.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 6

**Credits:** 120

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €12,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Academic and Professional Skills

Electrical Principles and Automation

Engineering Science

Computer Aided Design

Mathematics Fundamentals

Industry Module 1

Networking Technology

Regulatory Affairs

Instrumentation and Control

Project Management

Programming with Python

Mathematics 2

Automation 2

Industry Module 2

# Data Centre Facilities Engineering

This programme was developed in partnership with industry providers including Google, Facebook and Microsoft in order to meet the growing need for upskilling of service personnel in the data centre industry.

## Key course details



### Entry Requirements

Applicants should hold a Higher Certificate award in a related technical discipline, or a Senior Trades Craft Apprenticeship in a related discipline and a minimum five years' relevant industrial experience. In conjunction with this, students must hold a Maths qualification that enables them to undertake the Maths module on this specific programme. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students should expect to have 2-3 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 7 hours per week for a 5-credit module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

All of the lectures are delivered online, in English. For labs, students are required to spend one week per year at Haute Ecole Louvain en Hainaut (HELHa) in Mons, Belgium.



### Who should apply?

The course is aimed not only at employees of the major data centre corporations and their service contractors, but for individuals currently involved in the management of facilities at all data centres, or planning to provide such services in the future.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Six Sigma 1 - Introduction to Lean Sigma Quality

Facility and Utilities Management for Data Centres

Scada for Data Centres

Mechanical Principles for Data Centres

Centres

Project Module - Data Centres

Control Principles for Data Centres

Power and Energy Engineering

Mathematics 3

Certificate

# Electronics and Automation

This programme is a one-year online qualifier to allow holders of electrical craft qualifications and others with substantial relevant work experience in electronics to progress to the level 7 BEng in Electronic Engineering. On completing the programme, the learner will receive a minor award at level 6.

## Key course details



### Entry Requirements

Entry to the programme is open to candidates who have completed Phase 6 of a relevant craft certificate or equivalent. Other candidates may gain entry through the Recognition of Prior Learning (RPL) process.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per five-credit module to their studies.



### Examination & Assessment

A mix of continuous assessment, laboratory exercise and exams.



### On-Campus Attendance

One/two days per semester.



### Who should apply?

This programme is suitable for those with some technical background looking to up-skill into the Electronics profession.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Doddy: [niamh.doddy@atu.ie](mailto:niamh.doddy@atu.ie)

Online

**Level:** 6

**Credits:** 35

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

C Programming 101

Instrumentation 1

Microcontroller Architecture

Embedded Programming 201

Instrumentation 2

Microcontroller Interfacing

Introduction to Engineering Mathematics



Certificate

# Heat Pump Installation, Commissioning, Maintenance and Servicing

The aim of the programme is to support the Government's Climate Action Plan by providing learners with the necessary installation, maintenance and servicing training, which will allow the graduates to be placed on the Irish Register, and thus deemed competent as heat pump installers for both ground to water and air to water technologies.

## Key course details



### Entry Requirements

Applicants must be trained and certified, L6 Advanced Craft Certificate, as a plumber or refrigeration engineer, or alternatively have, as a minimum, a Higher Certificate in Mechanical Engineering or equivalent in a cognate discipline and have basic electrical and plumbing skills. In addition, all learners must have basic ICT skills.



### Study Hours

It is recommended that students allow for 5-6 hours per 5 credit module to their studies.



### Examination & Assessment

The programme itself includes practical and theoretical learning, and all learners will have to demonstrate their competency to size, install, service and maintain the performance of a heat pump. Final exams are also used to assess students.



### On-Campus Attendance

12 days of onsite tuition.



### Who should apply?

Once accredited, graduates of this programme will be eligible to register as Heat Pump Installers which will allow them to avail of numerous work opportunities or to seek new opportunities in industry. For plumbers and refrigeration engineers, being capable of competently designing, installing, servicing and maintaining heat pump systems will become an increasingly desirable skill of the future.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 6

**Credits:** 20

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €2200  
DASBE students pay €1400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Domestic Heat Pumps I:  
Installation and Commissioning

Domestic Heat Pumps II:  
Maintenance and Service

Blended

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Industrial Automation

Networking Technology

Applied Project - Engineering

Work Placement - Engineering

Certificate

# Industrial Automation

Industrial Automation refers to the use of Programmable Logic Controllers (PLCs) in a range of industrial and manufacturing applications. Students will become familiar with all the industry-leading PLCs and will learn to install, maintain and programme the PLCs in real-life applications. This is a very practical course designed to give students the skills needed for a career in this broad and buoyant area.

## Key course details



### Entry Requirements

Leaving Certificate or mature.



### Study Hours

It is recommended that students allow for 5-6 hours per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.



### Who should apply?

This programme may be suitable for those interested in pursuing a career in roles such as automation engineer, control systems engineer, or robotics engineer.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Certificate in Engineering

# Mechanical Analysis and Automation

This programme covers introductory engineering mathematics, fundamental mechanics, CAD and automation. It is designed as a qualifier to allow holders of craft qualifications and others with substantial relevant work experience to progress to the Level 7 BEng in Precision Engineering and Design.

## Key course details



### Entry Requirements

Applicants should have completed, or be undertaking, an apprenticeship in toolmaking or in a mechanical trade. Consideration will also be given to applicants who have substantial (in excess of three years) experience working in technician-type roles in industry.



### Study Hours

Students can expect to attend 5 hours of online classes per week (3 modules) over 2-3 evenings. A study time of 5-6 hours per module or 15-18 hours per week in total is typical.



### Examination & Assessment

Modules are assessed using a mixture of final exams and continuous assessment.



### On-Campus Attendance

There is no mandatory on campus attendance required.



### Who should apply?

This programme is designed as a qualifier to allow holders of craft qualifications and others with substantial relevant work experience to progress to the Level 7 BEng in Precision Engineering and Design.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

Level: 6

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €1750

Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Engineering Maths

Introduction to Engineering Mechanics

Intermediate Engineering Mechanics

Computer Aided Design and Modelling

Pneumatic / Electro-Pneumatic and Hydraulic Systems

Automation Programming

Certificate

# Mechatronic Engineering

Mechatronics engineers design, build and operate intelligent machines such as the robots and flexible manufacturing systems of today and for tomorrow. During this course, students will learn how to design, build and control the machines and processes that are found in the biomedical, automotive, food processing and high volume manufacturing sectors, to name but a few.

## Key course details



### Entry Requirements

Applicants must have a Level 6 in a related area. Candidates with relevant work experience or an apprentice qualification in Electrical trades or relevant area may do a Level 6 qualifier in Automation and Instrumentation to gain entry. Graduates who have not obtained this minimum may incorporate other equivalent qualifications and relevant work experience and apply for assessment via the Recognition of Prior Learning (RPL) process.



### Study Hours

Students should expect to have 2 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 7 hours per week for a 5 credit module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

Campus attendance may be required for some modules. If required, attendance will be twice per semester and only occur on Fridays. Please note, international distance learners can be facilitated to not have any in-person attendance requirements.



### Who should apply?

This programme is suitable for those seeking to gain the interdisciplinary approach necessary to pursue careers in the biomedical, pharmaceutical, electronics, food processing and manufacturing sectors.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

Level: 7

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €3400

Recognition of Prior Learning ✓

## What will I study?

### Modules

Control Systems 301

Supervisory Control and Data Acquisition L7

Professional Development & Employability

Mathematics 3

Control Systems 302

Advanced Automation Technology

# Mechatronic Systems (WBL)

Mechatronics is the combination of mechanics, electronics, robotics and computing that is used in modern engineering industries. It involves the study of automation from an engineering perspective and serves the purpose of controlling advanced hybrid systems in business and industry. In this work-based version of our campus degree, students spend three days per week in the workplace and two days per week studying online.

## Key course details



### Entry Requirements

Please note that for entry onto this programme students must be offered a traineeship position with a suitable employer. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students spend three days a week in the workplace and two days studying online.



### On-Campus Attendance

Students may be required to attend the Sligo Campus for up to four days per year.



### Who should apply?

This programme is suitable for those looking to gain the integrated skills necessary to be applied to a variety of jobs, enabling students to have a very promising career in the biomedical, pharmaceutical, electronics, food processing and manufacturing sectors.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

Level: 7

Credits: 120

Duration: 3 years

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Sligo

Total fees: €9000

### Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Engineering  
Mathematics

Computer Aided Design and  
Modelling

Intermediate Engineering  
Mechanics

Metrology and Calibration

Mechatronics Systems  
Engineering Work Placement 2

Programming Fundamentals

Introduction to Engineering  
Mechanics

Quality and Production  
Techniques 1

Mechatronics Systems  
Engineering Work Placement 1

Plastics Materials Processing  
and Testing

# Mechatronics

This programme involves the study of automation from an engineering perspective and serves the purpose of controlling advanced hybrid systems in business and industry. Students learn how to analyse, design, and control the type of machines and processes that are used, for example, in biomedical, automotive manufacture and high-speed automation.

## Key course details



### Entry Requirements

Applicants require a Level 7 in Mechatronics or a related discipline, with an average grade of at least 50%.



### Study Hours

Online live classes occur 3 evenings per week in Year 1, and 2 evenings per week in Year 2. Each live class is approximately 1 hour long. It is recommended that students should try to allow for 5-6 hours per week per 5-credit module.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

Campus attendance may be required for some modules. If required, attendance will be twice per semester and only occur on Fridays. Please note, international distance learners can be facilitated to not have any in-person attendance requirements.



### Who should apply?

This programme is suitable for persons currently employed in technician and technical support roles to upskill. The programme should also appeal to suitably qualified persons working in industries such as mechanical engineering, power and energy engineering, electrical and electronic engineering, robotics, information communication technology, and computer engineering to develop more multidisciplinary skills.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.McNulty@atu.ie](mailto:Natalie.McNulty@atu.ie)

Online

Level: 8

Credits: 60

Duration: 2 years

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Online

Campus: Sligo

Total fees: €9000

### Recognition of Prior Learning ✓

## What will I study?

### Modules

Energy Operations & Utilities  
Management

Industrial Networks 401

Industrial Networks 402

Mathematics 4

Operations Management

Control Systems Analysis and

Design 401

Control Systems Analysis and  
Design 402

Power Electronics & Drives 401

Power Electronics & Drives 402

Project Mechatronics

## Bachelor of Engineering Mechatronics

Mechatronics is the combination of mechanical, electronic, robotic and software engineering systems that are used in modern manufacturing industries. During this programme, students learn how to design, build and control the machines and processes that are found in the biomedical, automotive, food processing and high-volume manufacturing sectors, to name but a few.

### Key course details



#### Entry Requirements

Applicants are required to have a Level 6 qualification in a related area.



#### Study Hours

Students should expect to have 2 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 7 hours per week for a 5 credit module.



#### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



#### On-Campus Attendance

Campus attendance may be required for some modules. If required, attendance will be twice per semester and only occur on Fridays. Please note, international distance learners can be facilitated to not have any in-person attendance requirements.



#### Who should apply?

This programme is suitable for those seeking to gain the interdisciplinary approach necessary to pursue careers in the biomedical, pharmaceutical, electronics, food processing and manufacturing sectors

### Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Natalie McNulty: Natalie.Mcnulty@atu.ie

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Control Systems 301

Supervisory Control and Data Acquisition L7

Professional Development & Employability

Industrial Data Communication 1

Essential Lean Six Sigma and Validation

Introduction to Robotics

Industrial Data Communication 2

Mechatronics Project 300

Mathematics 3

Control Systems 302

Advanced Automation

Technology

Bachelor of Engineering (Honours)

## Polymer Processing

This programme focuses on the processes and analysis, design of tooling used in relation to polymers as well as the impact on the environment and the processes for recycling. The course aims to form advanced professionals with critical thinking and problem solving skills.

### Key course details



#### Entry Requirements

Applicants require a Level 7 BEng in Polymer Processing, Polymer Engineering or a related discipline.



#### Study Hours

Students are expected to attend 2-4 online lectures a week, lasting approximately 1 hour each. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to your studies.



#### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



#### On-Campus Attendance

There is a requirement to attend two-days of practical lab work at the Sligo Campus per semester.



#### Who should apply?

This programme is suitable for those seeking to gain the necessary technical skills to help secure employment in the plastics manufacturing, medical device industries as a technician/apprentice technician in polymer processing.

### Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Natalie McNulty: Natalie.Mcnulty@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €8400

Students can avail of a 30% reduction via your employer through First Polymer Training Skillnet

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Quality Management

Statistics

Statistical Process Control

Energy and Utilities Management 401

Advanced Polymer Processing and Analysis

Experimental Design

Polymer Recycling

Project Thesis 402

Injection Mould Design

# Polymer Processing

This programme focuses on the materials, processes, and tooling used in relation to polymers. Students learn the characteristics of various polymers, the common polymer processes - including injection moulding, blow moulding, and extrusion as well as plastic part design - and factors in the design of tooling for these processes.

## Key course details



### Entry Requirements

Applicants require a Higher Certificate NFQ Level 6 in a relevant discipline or an Advanced Craft Certificate, or equivalent.



### Study Hours

Students should expect to have 2-4 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to your studies.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

2 lab days per semester at the Sligo Campus. There is also an additional one-day attendance in Athlone (First Polymer Training) for each semester, which is mandatory.



### External Accrediting Body

Engineers Ireland.



### Who should apply?

This programme is suitable for those seeking to gain the necessary technical skills to help secure employment in the plastics manufacturing, medical device industries as a technician/apprentice technician in polymer processing.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

Students can avail of a 30% reduction via your employer through First Polymer Training Skillnet

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Polymer Tooling Design

Six Sigma 2 Statistical Control

Polymer Project

Control Systems 302

Medical Device Manufacturing

Polymer Processing

Mathematics 3

Six Sigma 1 - Introduction to Lean Sigma Quality

Control Systems 301

Plastic Part Design

Materials for the Polymer Industry

Certificate

# Polymer Technologies

This programme aims to ease students into engineering education. Modules focus on computational design, mathematics, electronics & automation, and of course polymers. These skills will set the foundations for any engineering course the student decides to progress to in the future.

## Key course details



### Entry Requirements

Applicants should hold an NFQ Level 5 or equivalent.



### Study Hours

Students can expect to attend 2-4 online lectures a week that last approximately 1 hour. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

There is a requirement to attend two-days of practical lab work at the Sligo Campus per semester. There is also an additional one-day attendance in Athlone (First Polymer Training) for each semester, which is mandatory.



### Who should apply?

This programme is suitable for those seeking to gain the necessary technical skills to help secure employment in the plastics manufacturing, medical device industries as a technician/apprentice technician in polymer processing.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

**Level:** 6

**Credits:** 35

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2450

Students can avail of a 30% reduction via your employer through First Polymer Training Skillnet

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Plastics Materials Processing and Testing

Instrumentation 1

Plastics Materials Selection

Instrumentation 2

Introduction to Engineering Mathematics

Computer Aided Design and Modelling

Bachelor of Engineering

# Precision Engineering and Design

The aim of this programme is to provide graduates with the skills needed to pursue a career in precision engineering, tool and product design and advanced manufacturing industries. Students will explore key areas such as design of precision products, tools and machines, CNC programming & machining, metrology, validation, polymer processing, analysis and manufacture of precision engineering/mechanical devices.

## Key course details



### Entry Requirements

1. Holders of Level 6 Higher Certificate in Mechanical Engineering or related discipline.
2. Qualified craftpersons (in toolmaking, fitting and related skills) who have successfully completed the Certificate in Mechanical Analysis & Automation (Special Purpose Award).
3. Applicants with other qualifications and/or with relevant industrial experience may apply via RPL.



### Study Hours

Students can expect total lecture hours of approximately 5-6 hours, 3 nights per week. Each module will typically require an additional 4-5 hours work per week. A total study effort of 20 hours per week is typical.



### Examination & Assessment

Modules are assessed by a mixture of exams and continuous assessment. Some modules are 100% continuous assessment with no exam.



### On-Campus Attendance

Attendance is required 2-3 days per semester for practicals and labs at the Sligo Campus.



### Who should apply?

This programme is suitable for craftpersons, such as qualified toolmakers & fitters, and those working in a technician type role who want to progress into an engineering role.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Natalie McNulty: [Natalie.Mcnulty@atu.ie](mailto:Natalie.Mcnulty@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Computer Aided Design 301

Mould Design and Polymer Processing

CIM & Robotics 300

Essential Lean Six Sigma and Validation

Mechanics/Dynamics 301

Computer Aided Manufacture (CAM/CNC) 301

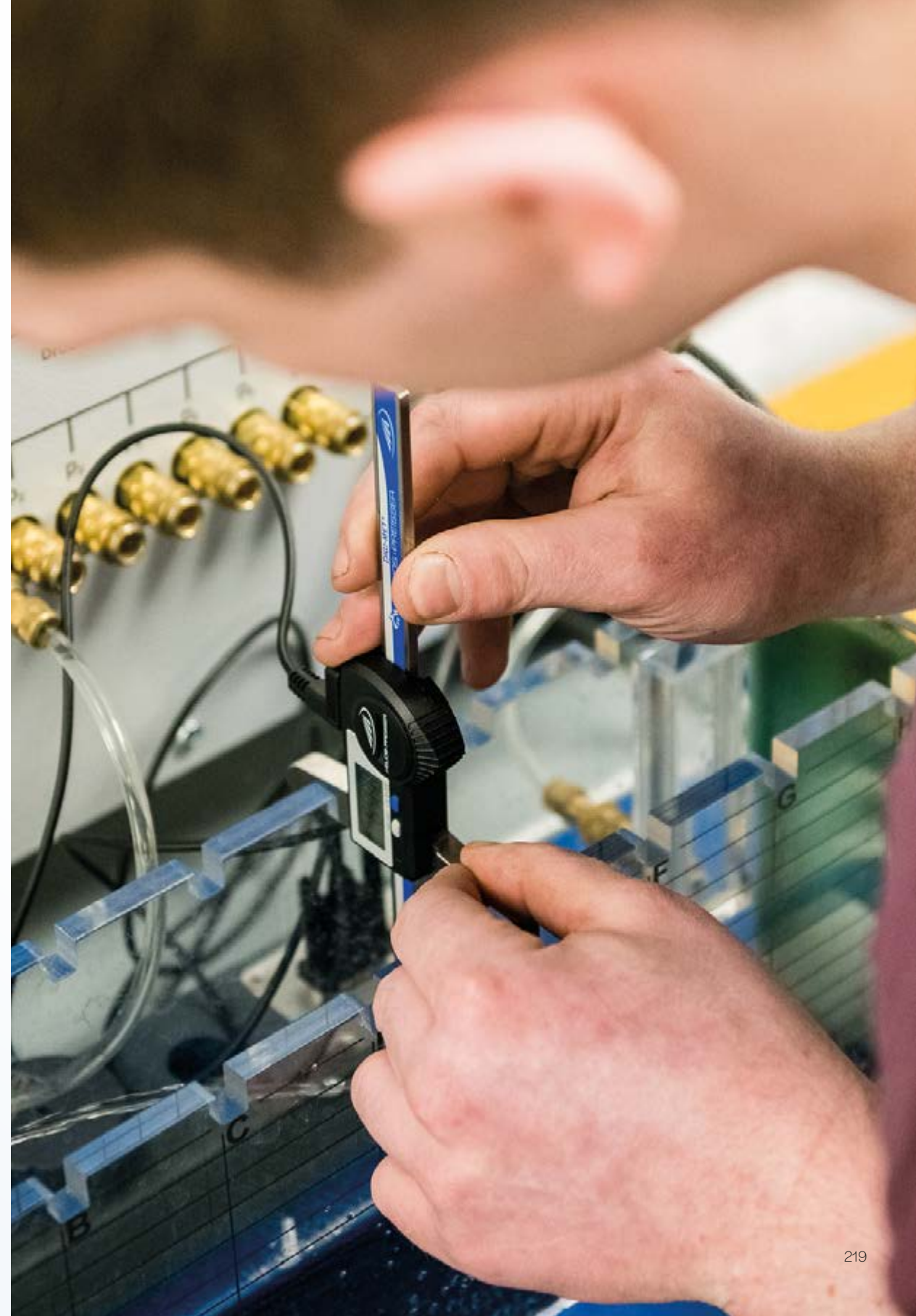
Computer Aided Manufacture (CAM/CNC) 302

Machine Design

Materials Testing & Metrology

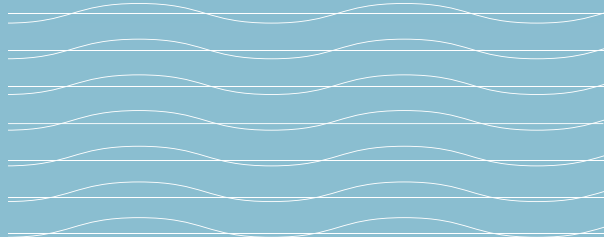
Mathematics 3

Integrated Project and Project Management





# Caighdeán Quality



Certificate

## Advanced Lean Sigma Quality (Black Belt)

This Black Belt course meets the requirements specified in the International ISO 13053-1:2011 Six Sigma standard and also the ASQ (American Society for Quality) Certified Six Sigma Black Belt (CSSBB) body of knowledge. A graduate of this programme will be considered a Black Belt in Six Sigma quality.

### Key course details



#### Entry Requirements

Applicants must possess a Six Sigma Green Belt or equivalent qualification. Applicants must also be in a position to carry out a Six Sigma Black Belt project with an employer. Applicants must have three years' experience in a manufacturing or service environment.



#### Study Hours

Students should expect to attend live online classes 2-3 evenings per week and each class lasts approximately 1-1.5 hours.



#### Examination & Assessment

Continuous assessment involving assignment and project work will be a part of each module. The taught modules will include a final examination at the end of the semester. The Six Sigma Black Belt project involves 100% continuous assessment.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This programme is suitable for holders of a Lean/Six Sigma Green Belt qualification who wish to extend their expertise and knowledge to a Black Belt level.

### Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Charlotte McManus: Charlotte.McManus@atu.ie

Online

Level: 8

Credits: 30

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €4200

Recognition of Prior Learning X

### What will I study?

#### Modules

Statistics

Quality Management

Statistical Process Control

Experimental Design

Project Six Sigma Black Belt

# Manufacturing Management

This programme teaches key skills that front-line managers need to learn to grow and adapt to changing work environments in modern organisations. Topics covered include Lean Six Sigma, quality management systems, project management, lean management techniques, occupational safety & health, statistical control, production management, people management, managing accounting and professional development.

## Key course details



### Entry Requirements

Applicants should hold a Level 6 National / Higher Certificate in Business, Science, Engineering or equivalent.



### Study Hours

Students should expect to have 2-4 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is aimed at those currently working, or aspiring to work in management or supervisory positions in a manufacturing or service organisation. Graduates from this programme hold front-line management positions with leading multinational and SME employers across Ireland.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

People Management in Practice

Production Management

Project Management

Organisational Behaviour

Quality Management Systems

Management Accounting

Professional Development Skills

Six Sigma 2 Statistical Control

Lean Management Techniques

Project Six Sigma 3

Six Sigma 1 - Introduction to Lean Sigma Quality

Occupational Safety and Health

# Quality

This programme is designed for graduates who are currently in quality engineering or management positions who wish to expand their knowledge towards the strategic aspects of quality management and quality science. The emphasis of this programme 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.

## Key course details



### Entry Requirements

Applicants 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.



### Study Hours

Students should expect to attend live online classes 2-3 times per week and each class lasts approximately 1-1.5 hours. It is recommended that students should allow 6 hours per week for a 5 credit module.



### Examination & Assessment

Continuous assessment involving assignment and project work will be a part of each module. A small number of modules involve 100% continuous assessment but the majority of modules will include a final examination at the end of the semester.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme designed for graduates who are currently in quality engineering or management positions and who wish to expand their knowledge, skills and expertise.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 9

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Strategic Management

Applied Project Management

Integrated Quality

Value Stream Optimisation

Transformational Change

System Simulation Modelling and Analysis

Advanced Experimental Design

Research Methods

Research Thesis



# Quality

This programme covers the scientific and management principles necessary for the achievement of customer satisfaction in a way that makes an enterprise competitive. The tools and techniques necessary to implement Lean and Six Sigma programmes are included as well as modules on the statistical, management and communications aspects of Quality.

## Key course details



### Entry Requirements

Applications should hold 120 credits at Level 6 (Higher Certificate) qualification in a relevant discipline or equivalent. Candidates who do not meet the standard entry requirements but who have some academic and appropriate industrial experience will be considered.



### Study Hours

Students should expect to have 2-4 live lectures a week which last approximately 1 hour. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

A combination of continuous assessment and final examinations.



### On-Campus Attendance

One or two days per semester at the Sligo Campus.



### Who should apply?

Suitable to those seeking career progression in the areas of Quality Technician or Engineer and on to Quality Managers.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6900

**Recognition of Prior Learning** X

## What will I study?

### Modules

Lean Management Techniques  
Six Sigma 1 Quality Tools  
Project Management  
Mathematics and Statistics  
Quality Management Systems  
Service Quality  
Six Sigma 2 - Statistical Control  
Applied Statistical Improvement  
Project - Six Sigma 3  
Organisational Behaviour  
Applied Excel Programming  
Six Sigma 2 - Statistical Control  
Inspection, Measurement & Test

Certificate in Science

# Quality and Regulatory Affairs

The purpose of this programme is to provide general skills necessary to work in the area of Quality within the Pharmaceutical / Medical Device Industries. This programme includes specific skills and knowledge in relation to the key activities of validation, the management of controlled environments, and the interpretation and compliance of relevant regulatory requirements.

## Key course details



### Entry Requirements

To qualify for entry to the minor award, applicants are required to have a pass in any QQI FET Major award at Level 5 or 6 or alternatively applicants meeting the minimum Leaving Certificate entry requirement of Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points or equivalent are eligible for entry. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme or gain exemptions.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically blended delivery includes 3-4 on campus classes per semester which takes in to account the context of the module under instruction.



### Who should apply?

Suitable for those seeking career progression in the areas of Quality Technician or Engineer and on to Quality Managers.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Regulatory Affairs and Compliance Auditing  
Validation  
Clean Room Management

## Certificate Quality Assurance

The Certificate in Quality Assurance aims to provide participants with enhanced problem-solving and analytical skills as well as the 'soft skills' required in interacting within teams, with peers and subordinates. This certificate 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.

### Key course details



#### Entry Requirements

There is no prerequisite to study this programme. However, it is recommended that applicants have achieved a minimum of a O5 (Grade C) at Ordinary Level Mathematics in the Leaving Certificate due to the Statistics and Mathematics covered in the course syllabus. Applicants must successfully complete an entrance exam in Mathematics.



#### Study Hours

Lectures normally take place two or three evenings per week and each lecture will last for approximately 1 hour. It is recommended that students allow 5-6 hours per week per 5 credit module to their studies.



#### Examination & Assessment

Assessment is through a mixture of continuous assessment assignments and a final exam.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

Students usually work in Production or Quality roles in Manufacturing, Pharma, Biopharma, Med-tech, and Medical Device sectors. Applicants should have a keen interest in Quality. The type of roles that would be suitable for upskilling through this role are Quality Technicians, Quality Supervisors or Quality Coordinators.

### Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Charlotte McManus: Charlotte.McManus@atu.ie

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2100

**Recognition of Prior Learning** X

### What will I study?

#### Modules

Quality and Production Techniques 1

Supervisory Management 2

Introduction to Engineering Mathematics (Quality)

Supervisory Management 1

Quality and Production Techniques 2

Certificate

## Quality Assurance with Project

This award provides learners with a basic understanding of Quality, Production and Supervisory management and enables them to undertake an independent research project under the supervision of both a work-based and academic supervisor in an area relevant to their job specification and related to Quality.

### Key course details



#### Entry Requirements

To qualify for entry to this Special Purpose Award a standard applicant must achieve a pass in the Leaving Certificate (or equivalent examinations) with five grade (O6) D's which must include Mathematics and English. In addition, an applicant must successfully complete an entrance exam in Mathematics. Applicants with other qualifications or other relevant work experience will also be considered through RPL.



#### Study Hours

Students can expect to attend a 1 hour online lecture for each module weekly. Students should also allow 3 to 5 hr independent study per module each week.



#### Examination & Assessment

Assessment is on the basis of continuous assessment along with final theory examinations. Students also undertake a work-based project which is related to the field of Quality which will be assessed using both continuous assessment and end of term report and presentation session. A project logbook signed by both the work-based mentor and student is also a mandatory requirement and part of the assessment process.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This programme is suitable for production operatives or coordinator level seeking to join the technician, supervisory or engineering teams.

### Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Charlotte McManus: Charlotte.McManus@atu.ie

Online

**Level:** 6

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3600

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Work-Based Project

Fundamentals of Management 1 & 2

Quality and Production

Techniques 1 & 2

Introduction to Engineering Mathematics [Quality]

Bachelor of Science

# Quality for Industry

This programme covers the scientific, management and operational knowledge and skills necessary to work in the area of Quality in heavily regulated sectors such as Food, Medical Device and Pharmaceuticals. It provides skills to enable progression and up-skilling in the workplace, and to develop leadership and communication skills required to work at a senior level in the area of Quality. The programme is delivered as flexible part-time and blended in order to facilitate people working in industry.

## Key course details



### Entry Requirements

To qualify for entry to this programme, applicants must hold a Level 6 award in Business, Engineering or Science, or equivalent. Applicants who do not hold a formal award at Level 6 may apply for recognition of their previous work experience through RPL. Note: There are three embedded certificates associated with this add-on degree. Entry to the certificates may vary and can be accessed separately.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically blended delivery includes 3-4 on campus classes per semester which takes in to account the context of the module under instruction.



### Who should apply?

Suitable to those seeking career progression in the areas of Quality Technician, Quality Engineer/Quality Managers and Quality Subject Matter Experts (SME's) on quality related issues.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 60

**Duration:** 2 or 3 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €4800

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

There are three certificates/eight modules that make up this 60-credit add-on Degree as follows. Applicants may apply direct to the BSc or alternatively apply into the certificates that make up this add-on degree.

Certificate in Science in Quality Management:

- Quality Management Part I
- Quality Management Part II

Certificate in Science in Quality and Regulatory Affairs:

- Regulatory Affairs and Compliance Auditing

- Validation
- Clean Room Management

Certificate in Science in Quality Statistics and Management:

- Production and Supervisory Management
- Six Sigma for Quality Management
- Project

Bachelor of Science (Honours)

# Quality for Industry (Add-on)

The aim of this programme is to provide students with the ability to develop and implement various quality systems which would lead to an accredited quality award/certification. Learners will gain the leadership and communication skills required to work at the senior level in the area of quality and effect change. Learners will develop expertise in assessing regulatory requirements as well as implementing quality tools that cover the life cycle of various products and services. Such tools include the design of experiments, statistics, design quality assurance, risk management and microbial quality assurance.

## Key course details



### Entry Requirements

This programme is available to graduates of the Level 7 programme in Quality for Industry or equivalent. The RPL process can be used to determine admission to the programme.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically blended delivery includes 3-4 on-campus classes per semester which takes in to account the context of the module under instruction.



### Who should apply?

Suitable for those seeking career progression in the areas of Quality Engineer/Quality Managers and Quality Subject Matter Experts (SME's) on quality related issues.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €4200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Quality Management Systems and Frameworks

Technical Writing with Case Studies

Statistics and Experimental Design

Design Quality Assurance

Regulatory Affairs

Research Project

Microbial Quality Assurance

Risk Management

Quality Management Operational Excellence

Certificate

# Quality for the Medical Device Industry

The purpose of this programme is to provide students with the skills that are essential to key roles in quality management and quality engineering in industry or the service sector. Students of this programme will develop expertise in developing quality management systems taking into consideration the associated regulatory requirements. Students will develop skills in applying quality tools, participating in product design, assessing risk, as well as the ability to implement the principles of Operational Excellence in their organisations.

## Key course details



### Entry Requirements

This programme is available to graduates of the Level 7 programme in Quality for Industry or equivalent. The RPL process of ATU Galway can be used to determine admission to the programme.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically blended delivery includes 3-4 on campus classes per semester which takes in to account the context of the module under instruction.



### Who should apply?

Suitable to those seeking career progression in the areas of Quality Engineer/Quality Managers and Quality Subject Matter Experts (SME's) on quality related issues.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 8

**Credits:** 40

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €2400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Quality Management Systems and Frameworks

Technical Writing with Case Studies

Statistics and Experimental Design

Design Quality Assurance

Regulatory Affairs

Research Project

Certificate in Science

# Quality in Statistics and Management

The purpose of this award is to provide skills essential for production supervision, including the ability to apply six sigma problem solving tools and techniques as required by busy manufacturing environments.

## Key course details



### Entry Requirements

To qualify for entry to the minor award, applicants are required to have a pass in any QQI FET Major award at Level 5 or 6 or alternatively applicants meeting the minimum Leaving Certificate entry requirement of Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points or equivalent are eligible for entry. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme, or gain exemptions.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically blended delivery includes 3-4 on campus classes per semester which takes into account the context of the module under instruction.



### Who should apply?

Suitable for those seeking career progression in the areas of Quality Technician or Engineer and on to Quality Managers.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 7

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Production and Supervisory Management

Six Sigma for Quality Management

Project

Certificate in Science

# Quality Management

This programme aims to provide the core knowledge and skills associated with modern quality management systems.

## Key course details



### Entry Requirements

To qualify for entry to the minor award, applicants are required to have a pass in any QQI FET Major award at Level 5 or 6 or alternatively applicants meeting the minimum Leaving Certificate entry requirement of Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points or equivalent are eligible for entry. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

Combination of continuous assessment and final assessments/exam.



### On-Campus Attendance

Typically, blended delivery includes 3-4 on campus classes per semester which takes in to account the context of the module under instruction.



### Who should apply?

Suitable for those seeking career progression in the areas of Quality Technician or Engineer and on to Quality Managers.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 20

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €1600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Quality Management Part I

Quality Management Part II

Bachelor of Science (Honours)

# Quality Management and Technology

This programme covers the core scientific, engineering and management skills and technologies necessary for the achievement of improvement and excellence demanded within a competitive environment. The aspects of Quality Management required to implement and support the transformation required to achieve Lean, Six Sigma and Operational Excellence.

## Key course details



### Entry Requirements

Typically, entrants to this course will hold a minimum Level 7 degree in an engineering, science or business discipline.



### Study Hours

Students are expected to attend live online lectures 2/3 evenings per week. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

There will be continuous assessment during the semester for each taught module. This may be in the form of online quizzes, assignments or project work. There will be formal examinations in taught modules at the end of each semester.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course provides an add-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 working in the area of quality or who now find their careers or interests becoming more involved in quality management matters. This course is suitable for candidates seeking to become a Quality professional.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** X

## What will I study?

### Modules

Statistics

Operations Management

Quality Management

Standards and Compliance

Statistical Process Control

Managing People

Validation for Regulatory Compliance

Reliability Engineering and Risk Management

Experimental Design

Service Quality

L8 Project

# Validation Technologies

The Certificate in Validation Technologies enables students, who are work-based, to acquire key skills in the area of validation. In general, students of this course usually work in Production, Quality, Engineering, Technician roles in Manufacturing, Pharma, Biopharma, Med-tech, and Medical Device sectors. Applicants should have a keen interest in quality, regulations, and validation.

## Key course details



### Entry Requirements

To qualify for entry to this Special Purpose Award a standard applicant must achieve a pass in the Leaving Certificate (or equivalent examinations) with five grade D's which must include Mathematics and English or Irish. An E in Higher Level Mathematics is also acceptable, as is a B2 or higher in Foundation Mathematics.



### Study Hours

Students are expected to attend a one-hour live online lecture per week. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

Assessment is through a mixture of continuous assessment assignments and a final exam.



### On-Campus Attendance

There is a requirement for students to attend a 1-day practical/workshop in Semester 2.



### Who should apply?

Ideally suited to Validation Technicians or Engineers who are seeking to upskill in the area of validation technologies.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2100

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Assessment is through a mixture of continuous assessment assignments and a final exam.

GMP 1 and Quality Assurance

Validation Principles

Metrology and Calibration

Validation applications

Introduction to Regulatory Affairs

# Validation Technologies with Project

This programme aims to provide students with the knowledge, skills, and practical experience to enhance their careers in the field of validation through an enriching educational experience that interlinks the academic and vocational dimensions of the programme and develops real-world critical thinking skills through the completion of an industry based project, workshops and case-studies.

## Key course details



### Entry Requirements

Applicants are expected to have a Leaving Certificate or equivalent award. Applicants with other qualifications or other relevant work experience will also be considered through the RPL process.



### Study Hours

Students can expect to attend a 1 hour online lecture for each module weekly. Students should also allow 3 to 5 hr independent study per module each week.



### Examination & Assessment

Assessment is on the basis of continuous assessment along with final theory examinations. Students also undertake a work-based project related to Validation and will be assessed using both continuous assessment, end of term report and a presentation. A project logbook signed by both work-based mentor and student is also a mandatory requirement and part of the assessment process.



### On-Campus Attendance

1-day practical workshop scheduled in Semester 2 as part of the Metrology and Calibration module.



### Who should apply?

This programme is suitable for production operatives or coordinator level seeking to join the technician, supervisory or engineering teams or those seeking to those seeking to reskill in the area of life sciences.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 6

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3600

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Work Based Project

Validation Principles

GMP 1 Quality Assurance

Metrology and Calibration

Introduction to Regulatory Affairs

Validation Applications

# Work Based Project

The intent of this special purpose award is to enable learners to undertake an independent research project under the supervision of both a work based mentor and an academic supervisor in an area relevant to their job specification. Through completion of a specific workplace project, students will develop a range of technical and transferable skills such as project management, teamwork, oral and written communication and presentation skills, which have wide application in many working environments, and are important attributes of a technical professional.

## Key course details



### Entry Requirements

Applicants must achieve a pass in the Leaving Certificate (or equivalent examinations) with five grade Ds which must include Mathematics and English or Irish. An E in Higher Level Mathematics is also acceptable, as is a B2 or higher in Foundation Mathematics.



### Study Hours

Students can expect to attend 6-8 live classes in total for this programme and each live class will be approximately 1 hour. It is recommended that students allow 5-6 hours weekly to focus on your project also.



### Examination & Assessment

Students will be assessed using continuous assessment through submission of project updates, an end of term report and a student presentation. A project logbook signed by both work-based mentor and student is also a mandatory requirement and part of the assessment process.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for professionals who are seeking to develop a range of technical and transferable skills such as project management, teamwork, oral and written communication and presentation skills, which have wide application in many working environments and support their career progression as a technical professional.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Charlotte McManus: [Charlotte.McManus@atu.ie](mailto:Charlotte.McManus@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Work Based Project



# Eolaíochtaí Comhshaoil Environmental Science

Certificate

## Archaeological Field Studies International

The aim of this programme is to provide theoretical knowledge and practical experience of archaeological excavation and post-excavation analysis skills and the landscapes of north-west Ireland. The study tour will visit archaeological sites across north-west Ireland. This programme is specifically targeted at students based outside Ireland/Europe.

### Key course details



#### Entry Requirements

Applicants require a Level 5 qualification (Leaving Cert or equivalent) or equivalent lived experience.



#### Study Hours

2 hours of lectures and 1 hour of personal study per week.



#### Examination & Assessment

This programme is assessed via continuous assessment.



#### On-Campus Attendance

5-week block in May-June.



#### Who should apply?

This course is suitable for a wide range of people, with no previous archaeological experience necessary. It may appeal to students of archaeology, life-long learners with an interest in archaeology, those working in tourism or heritage related areas. Note that both the excavation and study tour require a reasonable level of physical fitness.

### Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Blended

**Level:** 6

**Credits:** 18

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Sligo

**Total fees:** €4500

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Archaeological Excavation &  
Post-Excavation International 1

Archaeological Excavation &  
Post-Excavation International 2

Archaeology of Ireland Study  
Tour - Northwest of Ireland  
(International)



# Environmental Health and Safety (EHS) Management

This programme aims to provide students with the ability to manage the Environmental, Health and Safety (EHS) affairs of organisations as well as the capabilities of developing management strategies for these areas compatible with other organisational functions.

## Key course details



### Entry Requirements

Applicants with a Level 8 Honours Degree in Science or Engineering, or in a related area, are eligible to apply. Applicants with a Level 8 Honours Degree in other areas must demonstrate appropriate experience in the EHS area.



### Study Hours

Students are expected to attend two online lectures in the evening each week. It is recommended that students should try to allow for 14 hours per week per 10 credit module for their studies. This includes lectures, directed learning, independent study and workshop/site visit activities.



### Examination & Assessment

Taught modules (10 credits) are 50% exam and 50% continuous assessment. The Dissertation (30 credits) is 100% continuous assessment.



### On-Campus Attendance

One meet-up once per semester for workshop/site visit activities.



### External Accrediting Body

Institution of Occupational Safety and Health (IOSH). Chartered Institution of Water and Environmental Management (CIWEM).



### Who should apply?

This programme may be suitable for graduates with a qualification related to environmental science or health & safety (or another relevant area) who now see the benefit of gaining a qualification which combines both these disciplines.

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €7200

**Recognition of Prior Learning** X

## What will I study?

### Modules

Risk, Management and Technical Safety

Natural Resource Management & Assessment

Occupational Health, Hygiene and Chemical Risk Management

Environmental Licensing and Industrial Efficiency

Integrated Management Systems

EHS Regulation

EHS Dissertation

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Environmental Management

This programme is designed to prepare students to take an active role in the areas of environmental management, project management and sustainable development. There is an ever increasing onus on all types of organisations to manage environmental issues and factor environmental and sustainability requirements into their decision making processes.

## Key course details



### Entry Requirements

Applicants require an Ordinary Degree (Level 7) in a relevant science discipline. Applicants with other qualifications and/or with relevant experience will also be considered.



### Study Hours

Students are expected to attend 1 to 2 lectures online in the evening each week. It is recommended that students should try to allow for 14 hours per week per 10 credit module for their studies. This includes for online lectures, directed learning, independent study and site visits/workshops.



### Examination & Assessment

Taught modules (10 credits) are 50% exam and 50% continuous assessment. The Project module (20 credits) is 100% continuous assessment.



### On-Campus Attendance

One meet-up once per semester for workshop/site visit activities.



### External Accrediting Body

Programme is accredited by the Chartered Institution of Water and Environmental Management (CIWEM).



### Who should apply?

This programme is suitable for those with a science background seeking to work across the public or private sectors worldwide, in roles such as environmental officer/ advisor/manager, sustainability officer/advisor/manager, environmental clerk of works, sustainability/environmental consultant and project manager, to name but a few.

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5100

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Principles of Project Management

Natural Resource Management

Cleaner Production

Principles of Sustainability

Project

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Environmental Management

This programme covers a broad spectrum of topics, designed to introduce and upskill the professional in all aspects of environmental management, such as natural and ecological system, licensing, auditing and planning.

## Key course details



### Entry Requirements

Applicants should hold a 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.



### Study Hours

Students undertake three modules per semester. Typically there is one hour of live lectures per module per week, with 2 to 3 hours self study and associated course work. As a result students undertake 9 to 10 hours study per week (3hrs of live lectures and 6 to 7 hours of self study) each semester.



### Examination & Assessment

Modules are generally 50% continuous assessment (which encompasses a blend of assignments, practicals, presentations, group work and quizzes) and 50% final exam theory. A number of modules are 100% continuous assessment.



### On-Campus Attendance

One workshop per semester. Attendance is advised but not mandatory.



### External Accrediting Body

CIWEM - Chartered Institute of Water and Environmental Management.



### Who should apply?

This programme is suitable for those who are required to take an active part in the environmental management affairs of an organisation. Course graduates have successfully transitioned into a variety of careers including utility management, ecological management, waste management, environmental and engineering consultancy, working in the area of planning, environmental impact assessment preparation and the development of ecological appropriate assessments.

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5400

**Recognition of Prior Learning** ✓

## What will I study?

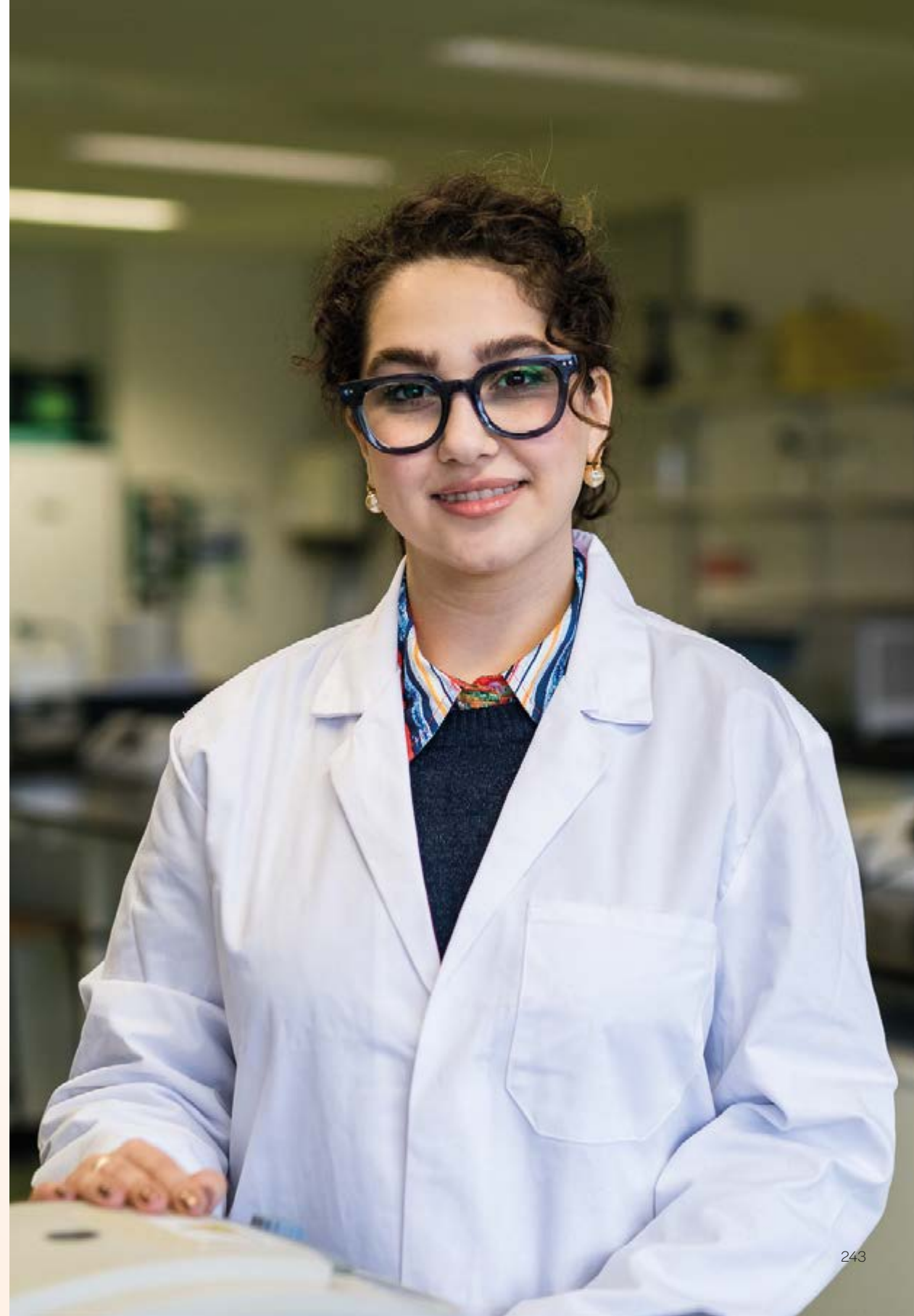
### Modules

- Natural Heritage Management
- Environmental Water Quality in Irish River Basin Districts
- Environmental Legislation
- Planning and Environmental Impact Assessment
- Wastewater Management
- Energy Use and Sustainability
- Environmental Management Systems and Auditing
- Drinking Water Treatment
- Environmental Issues
- Air Quality
- Waste Management
- Occupational Safety and Health

## Course Contacts

### Admissions:

admissions.sligo@atu.ie



# Environmental Protection

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

This programme offers the theory and practice of environmental protection and is designed for those who have, or who aspire to have, environmental responsibilities but who may lack sufficient formal training in the area. A broad range of environmental topics are addressed and integrated to provide current environmental management, technical and legislative skills to participants covering a range of areas including water quality and supply, ecology, geology, biology, water and waste management and sustainability. The Masters stage requires the learner to pursue research on an appropriate topic in environmental science/management, integrate research findings and articulate the key considerations of the specific investigation.

## Key course details



### Entry Requirements

Applicants require an Honours degree (Level 8) in science or engineering, or other relevant cognate area. Alternatively, applicants may hold a relevant Ordinary degree (Level 7) in science or engineering other relevant cognate area and have obtained a minimum of three years relevant post-qualification experience. Applicants must have achieved merit or greater in the 60 credit Post Graduate Diploma in Environmental Protection before progressing to the Masters.



### Study Hours

Students can expect one live lecture per week - lasting approximately 2 hours. Students typically spend 25-35 hours per week on the Dissertation Module. This includes meetings with supervisors, academic research, experimentation/field studies (if applicable), writing and workshop activities.



### Examination & Assessment

At Postgraduate Diploma level, some modules are assessed via 100% continuous and others are assessed via 50% continuous assessment and 50% final exam. At Masters level, 100% continuous assessment comprising final dissertation document, oral presentations, written reports and ongoing assessment by supervisor.



### External Accrediting Body

Accredited by The Chartered Institution of Water and Environmental Management (CIWEM). All students on the course are eligible to become a student member of this professional body.



### On-Campus Attendance

At Postgraduate Diploma level, there is one (occasionally two) workshop per subject. The workshops take place on a Friday or Saturday. At Masters level, students may be required to present their progress to peers and supervisors in on-campus workshops (max 2).



### Who should apply?

Past participants have come from areas such as industry, services, regulators (EPA, local authority, Uisce Éireann, IFI, EHOs, etc), semi-state bodies, education, consultants, NGOs and individuals who have a keen interest in the environment.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €4800

Waste Management and Resource Efficiency  
Energy Systems and Management  
Environmental Management  
Water Resource Management  
Air and Noise Management  
Environmental Systems

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €7200

Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Occupational Safety and Health

This programme gives students a wide base of knowledge in the key areas of Occupational Safety and Health. It covers key topics in the area such as hazard and risk control, management of hazardous materials and processes, safety legislation and more.

## Key course details



### Entry Requirements

Applicants require 120 credits at Level 6 in a relevant discipline or equivalent.



### Study Hours

Students are expected to attend 1 online lecture in the evening each week for approximately 1 hour. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

Modules are typically 50% continuous assessment and 50% final exam.



### On-Campus Attendance

Mandatory attendance at a one-day workshop each semester is required.



### External Accrediting Body

Programme is accredited by the Institution of Occupational Safety and Health (IOSH), the only Chartered body for health and safety practitioners.



### Who should apply?

This course provides an opportunity for people already working to upskill or cross skill to enable them to advise their employers about occupational, safety and health statutory requirements.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Safety Legislation 1

Hazard and Risk Control

Management of Hazardous Materials and Processes

Construction Safety and Contractor Management

Environmental Topics in the Workplace

Safety Legislation 2

Occupational Health & Biohazards

Occupational Hygiene Physical Agents

Workplace Health Promotion and Wellness

Human and Organisational Safety Factors

Occupational Hygiene Chemical Agents

OSH Business Case Communication

# Occupational Safety and Health

This programme gives students a wide base of knowledge in the key areas of Occupational Safety and Health. It covers key topics in the area such as health and safety representation, sector-specific workplace hazards, hazard identification and risk assessment, legislation and more. Graduates of this course will be well prepared to assist their employer in complying with OSH regulatory requirements.

## Key course details



### Entry Requirements

Applicants require a Leaving Certificate, or equivalent award. It is envisaged that applicants with other qualifications and with relevant OSH experience will also be considered for entry via RPL.



### Study Hours

Typically lectures occur online three evenings per week for approximately two hours per lecture. It is recommended that students should try to allow for 5-6 hours per week per 10-credit module to their studies.



### Examination & Assessment

Assessments will be a blend of online and final examinations.



### On-Campus Attendance

Workshop attendance required for one day per semester.



### External Accrediting Body

Institution of Occupational Safety and Health (IOSH).



### Who should apply?

This course is suitable for anyone who wishes to gain a formal qualification in, or may have responsibility for, Occupational Safety and Health (OSH) within their workplace such as managers, supervisors, operators and safety committee members.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 6

**Credits:** 120

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introductory Science for Occupational Safety and Health 1

Foundations for Occupational Safety and Health

Communications

Introductory Science for Occupational Safety and Health 2

Health and Safety Representation

Sector Specific Workplace Hazards

Foundations for Hazard Identification and Risk Assessment

Physical and Chemical Safety

Construction Safety

Occupational Safety and Health Legislation

Electricity Machinery and Fire Safety

Safety Practitioner Skills

Bachelor of Science (Honours)

# Occupational Safety and Health Management

This add-on programme is specifically designed for those health and safety professionals who wish to obtain a relevant Level 8 Honours degree. Organisations where demanding health and safety risk management are integral components of good organisational management. In recognition of the broader remit of the role of the health and safety professional in the workplace, modules on environment, business, training and project management are covered.

## Key course details



### Entry Requirements

Applicants must hold an Ordinary degree (Level 7 - 60 credits) in Health and Safety or a relevant discipline with experience. It is envisaged that applicants with other qualifications and with relevant OSH experience will also be considered for entry via RPL.



### Study Hours

Typically lectures occur online one evening per week for approximately one or two hours depending on credit allocation. For part-time online, it is recommended that students should allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed through a blend of continuous assessment and final exams.



### On-Campus Attendance

There will be one workshop per semester where the students will undertake teamwork, case studies, lectures and/or site visits.



### External Accrediting Body

Accredited by the Institute of Occupational Safety & Health (IOSH).



### Who should apply?

This programme designed for those who want to take up a management role in occupational safety and health.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5700

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Regulatory Affairs

Ergonomics

Behavioural Based Safety Programs

Project Management for OSH professionals

Manual Handling Instruct Training [E]

Workstation Assessor Training [E]

Training Delivery and Evaluation (Train the Trainer) [E]

Training Needs Identification and Design [E]

Management of Workplace Health & Wellbeing (ODL)

EHS Management Systems and Auditing

Systems Safety and Risk Management

Work-Based Project

[E] = Elective Module.



## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme has been developed in collaboration with Irish Water and the Local Authority Services National Training Group (LASNTG) to address the increasing and demanding needs of professionals in the water and wastewater sectors.

## Key course details



### Entry Requirements

Applicants require a 2nd Class Honours (2.2) Level 8 degree in Engineering, Science or cognate professional area or equivalent.



### Study Hours

Students typically allow 3-5 hours per week per 5 credit module. There are 3 x 5 credit Modules delivered each semester in Years 1 and 2. Students typically allow 25-35 hours per week for the Dissertation Module in Year 3.



### Examination & Assessment

Assessment is a combination of continuous assessment and final exams.



### External Accrediting Body

Accredited by The Chartered Institution of Water and Environmental Management (CIWEM).



### On-Campus Attendance

Two one day workshops (normally held on a Friday) will take place each semester. Typically, one workshop will be held at ATU Sligo and the second may be located at another regional facility. Attendance at the workshops will be expected for all students.



### Who should apply?

Individuals employed or seeking employment within the public/private water/wastewater sector.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €4400

Project Planning  
Transformational Change  
Environmental Policy, Planning and Environmental Impact Assessment  
Environmental Legislation  
Project Implementation  
Business Management and Entrepreneurship

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €8796

Contracts and Procurement  
Integrated Management Systems  
Data Analysis and Information Management  
Strategic Management  
Innovative Treatment Processes & Technologies  
Asset Management and Resilience

### Master of Science

**Duration:** 2.5 years

**Credits:** 90

**Total fees:** €11,000

Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Eolaíocht na hAclaíochta & Cothú Exercise Science & Nutrition



Master of Science

## Applied Sport and Exercise Nutrition

This programme is designed to provide students with a sound grounding in the scientific method in the context of sport and exercise nutrition. Key areas of study include physiology, nutrition and metabolism with a focus on practical application of sport and exercise nutrition.

### Key course details



#### Entry Requirements

The entry requirement for undertaking the programme is an Honours degree (H2.2) in any science or related health discipline. It is a requirement that all students for this programme are Garda vetted on commencement of their studies. Applicants may use RPL as a means of accessing the programme. RPL can also be used to gain exemptions.



#### Study Hours

10 hours of online lectures per week in Semester 1 as well as lab days on campus and significant self-directed study. There are less online lectures (~4 hours) in Semester 2 as students are required to carry out a placement during this time.



#### Examination & Assessment

This programme is 100% continuous assessment. The assessment involves practical lab exams, reflective activities, essays and literature reviews, presentations, case studies, placement, lab reports and an independent research project.



#### On-Campus Attendance

The number of contact days on this programme vary in each semester. Semester 1 has 7 contact days, Semester 2 has 6 contact days, and the requirement for contact days at ATU Galway City in semester 3 will vary depending on the individual independent research project.



#### External Accrediting Body

Pending Sport and Exercise Nutrition register (SENr) accreditation.



#### Who should apply?

This award gives students that have previously completed science or health-based undergraduate degrees the opportunity to specialise in Sport and Exercise Nutrition.

Blended

Level: 9

Credits: 90

Duration: 18 months

Study Mode:

Part-time: No

Full-time: Yes

Delivery Method:

Blended

Campus: Galway City

Total fees: €6300

Recognition of  
Prior Learning ✓

### What will I study?

#### Modules

Sports & Exercise Nutrition  
Research in Practice 1

Advanced Sports & Exercise  
Nutrition

Human Nutrition

Sports & Exercise Physiology

Sports & Exercise Nutrition  
Research in Practice 2  
(Placement module)

Laboratory Techniques in  
Sports & Exercise Nutrition

Research Methods

Research project

### Course Contacts

Admissions:

learn.galwaymayo@atu.ie

Bachelor of Science (Honours)

# Applied Strength and Conditioning (WBL)

This programme is designed to provide students with a grounding in the scientific method of strength and conditioning application. Learners will be guided through the programme by active strength and conditioning professionals across key areas of study including physiology, resistance training, psychology and nutrition, with a focus on practical application of strength and conditioning. The programme also allows for exit awards in years 1 and 2.

## Key course details



### Entry Requirements

Applicants should be over 21 years by 1 January in the proposed year of entry and the successful completion of at least 5 subjects in the Irish Leaving Certificate (or an equivalent international exam). Maths and either English or Irish are required. Candidates who do not meet the above entry requirement may be admitted to the programme on the grounds of mature years (Over 23 by 1st January in the proposed year of entry), if they have attained appropriate experience and attainment thresholds deemed equivalent.



### Study Hours

It is recommended to allow 10-12 hours per 10 credit module per week for teaching, learning and additional study purposes.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

One or two days attendance required per module at the Letterkenny Campus.



### External Accrediting Body

National Strength & Conditioning Association (NSCA) Certified Strength and Conditioning Specialist (CSCS), Weightlifting Ireland, Register of Exercise Professionals (REPs) Ireland.



### Who should apply?

This programme has been designed to suit mature learners who would like to return to education and achieve a qualification but cannot attend a full-time course. It is suitable for those seeking to progress into the field of strength and conditioning or elite sports performance.

Blended

**Level: 8**
**Credits: 240**
**Duration: 3.5 years**
**Study Mode:**
**Part-time: Yes**
**Full-time: No**
**Delivery Method:**
**Blended**
**Campus: Letterkenny**
**Total fees: €12,600**
**Recognition of Prior Learning** ✓

## What will I study?

### Modules

- Sports Periodization
- Endurance Development
- Applied Sport Psychology
- Youth Strength & Conditioning (+ Weightlifting Level 1)
- Sports Nutrition Practice
- Sports injury & Rehabilitation
- Professional Development
- Work Based Learning (Placement)

\*For the full list of Modules, refer to the programme web page.

## Course Contacts

### Admissions:

admissions.donegal@atu.ie





# ATU Sligo Food and Nutritional Product Development

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme addresses the needs of workers in the Food Industry who are keen to expand their understanding and effectiveness in developing nutritional food products, gaining skills to be at the forefront of food innovation. With the increasingly fast paced and globalised nature of the Food Industry, employers require staff that are knowledgeable, skilled and confident in the area of product development. The programme provides students with the necessary tools to not only understand the practices employed during successful food product development, but also gives students the confidence to apply these in an industrial setting, to further the success of the Food Industry.

## Key course details



### Entry Requirements

An Honours degree (Level 8), with evidence of a 2:2, or higher, in any of the following areas: Life Sciences, Food Science, Human Nutrition, Sports Science, Chemistry, Chemical Engineering, Home Economics or Recognition of Prior Learning (RPL) in a cognate discipline of study.



### Study Hours

In Year 1, students can expect 5-6 hours of live lectures; 2-2.5 hours of workshops/practical's and 12 hours independent learning per week. In Year 2, students can expect 1 hour live lectures per week with 12 hours independent study.



### Examination & Assessment

All modules are 100% continuous assessment. A range of assessment methods are utilised such as MCQs (Multi Choice Questions), case study's, reports, mini projects, oral presentations, viva, problem-based learning.



### On-Campus Attendance

Lectures are delivered online, with on-campus attendance for practical classes during one designated week in Semester 2; on-campus workshops during one designated week in Semester 1 and 2. Access to onsite laboratories may be possible for research project on agreement with supervisors.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Nutrition through the life stages  
Food Safety Quality and Legislation  
Food Chemistry and Analysis [E]  
Current and Emerging Trends in Food Technology [E]  
Food Business, Innovation and Entrepreneurship  
Food Product Development  
[E] = Elective Module.

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Research Methods  
Food and Nutritional Product Development Research Project

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Mary Tully: Mary.tully@atu.ie

# Food Business and Product Innovation (WBL)

Co-designed by industry and made for the workplace, this Work-Based-Learning programme will provide learners already working within the food and drink sector with the enhanced knowledge, skills and abilities required to support sustainable business growth. Students utilise their existing workplace as an immersive learning environment, applying academic expertise to real-life workplace issues and projects - allowing them to develop a competitive advantage through enhanced knowledge of innovation, sustainability, finance and much more.

## Key course details



### Entry Requirements

Applicants should have an Honours Bachelor's degree (Level 8) in any discipline. If a candidate does not have an honours degree but has relevant experience, they may also be eligible to apply on the grounds of Recognition of Prior Learning (RPL).



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

100% continuous assessment via a series of Work-Based-Learning (WBL) projects.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for owners, managers and those developing careers within food production and manufacturing businesses, food retail and food service companies. This higher diploma is geared towards those who wish to fast-track their career growth through the attainment of a QQI accredited higher education qualification.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

## Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €3300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Strategic Management for the Food Industry

Finance Management for the Food Industry

Food Safety Management and Food Regulatory Affairs

Food Marketing and Digital Media Management

Food Innovation and Sustainability

Work Based Learning Applied Portfolio/Project

# Food Innovation

This programme enables students to gain extensive and relevant scientific and operational management knowledge to lead or advance them in a career in the food industry. Students will gain the ability to integrate scientific knowledge with a thorough understanding of food innovation, quality and safety and employ an innovative approach to product research and development. The focus of this programme is in the areas of innovation management; applied food science; physical and sensory analysis; food safety management; food processing and biotechnology; quality and innovation, research and development.

## Key course details



### Entry Requirements

All applicants must have a minimum of a H2.2 in a Level 8 degree in a relevant discipline. Applicants may be called for interview.



### Study Hours

20 hours of total student effort is recommended per credit. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

A range of strategies will be used to assess theory and practice components of the programme.



### On-Campus Attendance

Year 1: Online lectures one day per month (September-May). Two-day block on-campus for induction/practical labs (early September). One three-day block of on-campus practical labs in Semester 2. Year 2: Online / self-directed research-based study (September-May).



### Who should apply?

This programme meets the needs of graduates who have an interest in all aspects of the food industry, including food innovation; food safety management; processing and biotechnology; physical and sensory analysis.

## Course Contacts

**Admissions:** admissions.stangelas@atu.ie

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Food Science

Food Processing and Biotechnology

Physical and Sensory Analysis

Food Safety Management Systems

Innovation Management

Research Design

Research Project

# Food Regulatory Affairs

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

An increasingly complex regulatory environment, along with Brexit and potential regulatory divergence between EU and UK led Food Drink Ireland Skillnet to partner with the Regulatory Affairs in Food Drink Ireland/IBEC and ATU Sligo to develop this programme. The programme is part of a suite of programmes developed to respond to the Food and Drink industries' needs while also being compliant with new policy and regulations in the area of Food and Drink Regulatory Affairs. At the end of the programme, graduates will have a thorough understanding of the theory and best practice relating to Food and Drink sector regulatory structures and procedures and will be able to apply independent thinking and research skills in workplace decisions regarding relevant food and drink regulatory frameworks.

## Key course details



### Entry Requirements

A Level 8 Degree or Level 9 in other areas with sufficient work experience as assessed by ATU. Applicants with other qualifications and with relevant work experience may also be considered through ATU Sligo's Recognition Prior Learning (RPL) process.



### Study Hours

Students can expect to allow for 7 hours per week, consisting of 2 hours evening lectures and 5 hours independent learning and project work.



### Examination & Assessment

100% continuous assessment for each module.



### On-Campus Attendance

Pre-dominantly live online lectures, supported by face-to-face seminars and self-directed learning.



### Who should apply?

This programme is suitable for those employed in the Food and Drink sector, working in technical areas such as quality, food safety, regulatory affairs or R&D, who need to be able to interpret regulations and understand their implications to their business. Participants may have a variety of backgrounds, including food science, food engineering, home economics, and microbiology, however, may have not had any formal training in food regulations.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2250

\*Food and Drink Ireland Skillnet member rate - €2250

Framework of Food Regulations  
Food Processing Regulations  
Claims and Labelling - Food to Market  
Supply Chain Integrity  
Professional Development in Food Regulatory Affairs

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €7000

\*Food and Drink Ireland Skillnet member rate - €4500

Research Methods in Food Regulatory Affairs and Sustainable Food Systems  
Sustainable Food Systems and Regulatory Interactions  
Managing Trends and Divergence in Regulatory Affairs  
Current and Future Issues Impacting Food Legislation

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €9900

\*Food and Drink Ireland Skillnet member rate - €6650

Dissertation in Food Regulatory Affairs and Sustainable Food Systems

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

# Nutrition and Food Sensory Science

This programme focuses on the role of nutrition, sensory and taste science in human health and food product development. The programme is designed to provide students with evidence-based practice, and a firm grounding in the scientific method in the context of nutrition, sensory and taste science. The course is based on the latest scientific research into current sensory science techniques, functional foods, nutrition and health and taste science and best novel contemporary practice.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent. Typically, students should come from a scientific background though applications that demonstrate appropriate experiential learning will also be considered.



### Study Hours

10 hours of online lectures per week in Semester 1 as well as lab days on campus and significant self-directed study. There are less online lectures (~4 hours) in Semester 2 as students are required to carry out a placement during this time.



### Examination & Assessment

The majority of modules on this programme use various types of continuous assessment as the primary assessment strategy.



### On-Campus Attendance

Lectures will be delivered in an online environment. Seminars, practical exercises, intensive group activities will require on-campus attendance.



### Who should apply?

This Masters programme is suitable for those with an interest in nutrition, sensory and taste science in human health and food product development. It is aimed at graduates who have already developed a real interest in science and food, and are aiming to build on their knowledge, to improve their practical knowledge, and sensory skills in this burgeoning area of study.

Blended

Level: 9

Credits: 90

Duration: 18 months

### Study Mode:

Part-time: No

Full-time: Yes

### Delivery Method:

Blended

Campus: Galway City

Total fees: €6300

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Principles of Food and Nutritional Science

Consumer and Trained Panel Sensory Science

Sensory Techniques for Nutrition Research

Food Packaging and Marketing for Product Development

Statistics for Sensory Science

Research Methods

Research Project 1

Research Project 2

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

# Personal Fitness

This programme offers individuals with an interest in health and fitness the opportunity to learn from experts and attain the necessary knowledge and skills required to work in a growth industry. The model for delivery allows for flexibility, studying one module at a time, where the learner can work and study part-time and gain meaningful qualifications to help develop a new or additional career path.

## Key course details



### Entry Requirements

Applicants should be over 21 years by 1 January in the proposed year of entry and the successful completion of at least 5 subjects in the Irish Leaving Certificate (or an equivalent international exam). Maths and either English or Irish are required. Candidates who do not meet the above entry requirement may be admitted to the programme on the grounds of mature years (Over 23 by 1st January in the proposed year of entry), if they have attained appropriate experience and attainment thresholds deemed equivalent.



### Study Hours

Online lectures one evening per week, along with practical days on campus days. It is recommended students allow 10-12 hours per week for a 10 credit module for teaching, learning and additional study.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

1 or 2 days of block delivery on campus (every 4-6 weeks, depending on the module) for the practical elements of the programme.



### External Accrediting Body

Register of Exercise Professionals (REPs) Ireland.



### Who should apply?

This programme is suitable for those seeking entry to the fitness industry, or individuals currently in the industry seeking to upskill. Students who complete this programme can progress into Year 2 of the BSc (Hons) in Applied Strength and Conditioning programme.

Blended

Level: 6

Credits: 60

Duration: 1 year

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: Letterkenny

Total fees: €4200

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Anatomy and Physiology

Principles of exercise, fitness and health

Resistance Training

Program Design and Prescription

Foundations of Nutrition

Personal Fitness Training

## Course Contacts

### Admissions:

admissions.donegal@atu.ie

Postgraduate Certificate

# Professional Skills for High-Performance Sport

Working in high-performance sport demands a blend of technical and non-technical professional competencies. This programme develops the non-technical skills and competencies that are essential for success, including leadership, communicating with impact, building trust and relationships, critical thinking and reasoning.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree, or an equivalent qualification, in a sport-related discipline. Non-sport degree graduates who have significant work experience in a related sport industry may also apply.



### Study Hours

The course comprises weekly online lectures, directed study and recommended independent study.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is aimed at sports coaches, practitioners, managers and leaders seeking professional development to deliver greater impact in the challenging environment of high-performance sport.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 20

**Duration:** 12 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €1700

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Professional Skills for High-Performance Sport

Master of Science

# Public Health Nutrition

This programme aims to support the development of knowledge, skills and competencies, specific to the practice of Public Health Nutrition. In addition, leadership styles, strategies, capabilities and competencies will be examined, placing the graduate in a position to lead teams and to advocate for change within the area. Learners will also undertake and engage with a research project.

## Key course details



### Entry Requirements

Applicants with a 2.2 Honours award in a relevant discipline may apply. Applicants who do not meet this entry criterion may be considered through Recognition of Prior Learning (RPL) if they have considerable relevant experience in the area.



### Study Hours

Live lecturers are typically between 6-10pm Monday to Thursday, most classes are 1-2 hours in duration. Semester 1 is delivered over 3 evenings; Semester 2 is delivered over 2 evenings; and Semesters 3 and 4 are delivered on 1 evening per week. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

Learners will be assessed through a variety of assessment methods e.g. critical review, report, presentation, online quizzes and discussion forums.



### On-Campus Attendance

No attendance required.



### Who should apply?

This award is suitable for those seeking a career in public health, health promotion, government agencies, community health centres, NGO's, the food industry and within national nutrition research groups.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Public Health Nutrition

Nutrition Assessment Methods

Nutrition Research Methodologies

Statistical Analysis for Nutritional Research

Public Health Nutrition Interventions

Leadership in Public Health Nutrition

Nutritional Epidemiology

Food and Nutrition Policy

Public Health Nutrition Thesis

Master of Science

# Sport and Clinical Biomechanics

Biomechanics describes the analysis of human movement using the science of mechanics and provides practitioners in exercise and healthcare with tools to analyse, monitor and improve body movement and function. This programme will focus on the role of biomechanics and movement analysis for the performance and maintenance of health, injury prevention and rehabilitation in athletic and clinical populations.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent. Typically, students will come from a scientific background however candidates with relevant experiential learning will also be considered.



### Study Hours

Students can expect 7 online contact hours per week in addition to the mandatory practical sessions two days per month. Students are expected to spend an additional 16-20 hours per week on self-guided study.



### Examination & Assessment

All modules use continuous assessments with regular submission deadlines throughout each semester.



### On-Campus Attendance

Mandatory practical sessions 2 days per month.



### Who should apply?

The programme is aimed at graduates working in sport science, fitness and healthcare professions who have already developed an interest in biomechanics and are interested in improving their practical biomechanics knowledge and its application in athletic and clinical populations.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 18 months

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Foundations of Human Movement

Clinical Biomechanics

Applied Sports Biomechanics

Applied Sport Technology

Research Methods

Research Project 1

Research Project 2

Postgraduate Certificate

# Sport Performance Innovation

This programme adopts an inter-disciplinary approach and enables professional learners to develop knowledge and skills to manage and lead innovation, leverage multidisciplinary and multi-domain expertise, apply disruptive technologies to enhance performance, and develop and apply innovative solutions to key performance challenges.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree, or an equivalent qualification, in a sport-related discipline. Non-sport degree graduates who have significant work experience in a related sport industry may also apply.



### Study Hours

The course comprises weekly online lectures, directed study and recommended independent study.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is aimed at coaches, sports scientists, practitioners, engineers and managers seeking to develop their knowledge and skills in delivering and managing innovation in sports performance.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 9

**Credits:** 20

**Duration:** 12 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €1700

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Sports Performance Innovation

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

The aim of this programme is to produce sports nutritionists who are strongly focused on the science behind the subject, and who also have experience of the practicalities of delivering the latest evidence-based guidance to individuals and teams who are looking to maximise the sports performance benefits of nutrition to complement their training programmes. Nutrition plays a key role in an athlete's training and preparation for competition and a significant number of sports now recognise the integral role that nutrition plays in achieving success.

## Key course details



### Entry Requirements

Applicants with a 2.2 Honours award in a relevant discipline (Nutrition, Dietetics, Sport Science, Health, Public Health, Allied Health or a cognate area as deemed suitable by the programme committee) may apply. Applicants who do not meet this entry criterion may be considered through Recognition of Prior Learning (RPL).



### Study Hours

It is recommended that students should allow for 5-6 hours per week per 5 credit module. Students will attend 2-3 hours of live lectures per week. The rest of the study time consists of independent learning and carrying out assignments.



### Examination & Assessment

This programme is assessed by 100% continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### External Accrediting Body

Developed to fulfil requirements for Sports and Exercise Nutrition Register (SENr) accreditation. Students have the opportunity to fulfil the initial requirements for Association for Nutrition (AfN) Accreditation as an Associate/Registered Nutritionist.



### Who should apply?

This course is suited to exercise professionals wishing to complement their exercise practice with applied nutrition skills, as well as those interested in using exercise nutrition to improve the health of the general public.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1.5 years

**Credits:** 60

**Total fees:** €4200

Nutrition, Health and Fitness Assessment  
 Exercise Physiology & Metabolism [E]  
 Essentials in Human Nutrition [E]  
 Human Nutrition and Exercise Physiology and Metabolism [E]  
 Nutrition and Performance  
 Professional Skills for Sports Nutritionists  
 Advanced Performance Nutrition  
 Research Methods for Sports Nutrition  
 Statistical Analysis for Nutritional Research

[E] = Elective Module. Modules subject to availability

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €6300

Sports and Exercise Nutrition Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Mary Tully: Mary.Tully@atu.ie

# Sports Performance Practice

This programme develops expert knowledge across scientific and technical disciplines, alongside the professional skills and competencies that underpin a successful career in sports performance. The course aims to provide learners with a broad knowledge of the science of sports performance practice and an expert knowledge in specialist areas of the science of sport performance, such as exercise physiology, sports nutrition, strength and conditioning and performance analysis.

## Key course details



### Entry Requirements

Applicants require a Level 8 Honours degree, or an equivalent qualification, in a sport-related discipline. Non-sport degree graduates who have significant work experience in a related sport industry may also apply.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Mandatory attendance at a two day block, five times in the year.



### Who should apply?

This programme is suitable for coaches, sport scientists, practitioners and teachers looking to pursue or develop their career in sports performance, strength and conditioning, exercise physiology, performance analysis, research, education, coaching or other science-based professions.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 1 or 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**  
Blended

**Campus:** Letterkenny

**Total fees:** €7200

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Sports Nutrition  
Physiology of Sport & Exercise  
Research Methods  
Data Analytics  
Strength & Conditioning  
Sports Performance Analysis  
Professional Practice  
Dissertation or Work Based Learning Research Project

# Strength and Conditioning

This programme is designed to provide students with an evidence-based understanding of the scientific method in the context of strength and conditioning. Key areas of study include physiology, coaching, psychology, nutrition and metabolism with a focus on the practical application of strength and conditioning.

## Key course details



### Entry Requirements

Students must have a minimum of a 2.2 in an Honours degree in any science or related health-discipline. Students with Recognised Prior Learning (RPL) may also be considered for entry, however, applicants may be required to complete prerequisite assessments prior to acceptance.



### Study Hours

10 hours of online lectures per week in Semester 1 as well as lab days on campus and at least 25 hours per week engaging in self-directed learning.



### Examination & Assessment

Examinations and assessments vary per module. There are some written exams, the majority of assessments are practically based lab assessments.



### On-Campus Attendance

The number of contact days on this programme vary in each semester. Semester 1 generally has 7 contact days, Semester 2 generally has 5 contact days, and the requirement for contact days at ATU Galway City in semester 3 will vary depending on the individual independent research project.



### External Accrediting Body

National Strength & Conditioning Association (NSCA) Education Recognised Program (ERP 2020-2023).



### Who should apply?

This programme is suitable for those seeking to develop their knowledge of sport and exercise science and to increase their skills in applying such knowledge in a sport and exercise setting. In the past decade, there has been a marked growth in the career opportunities available for sport and exercise scientists, S&C coaches and individuals who are multi-disciplined in health, fitness and well-being.

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 18 months

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Strength & Conditioning Science and Application  
Psychology - Coaching and Motivation  
Applied Sport Technology  
Strength and Conditioning Theory and Practice  
Exercise Physiology, Nutrition and Human Performance  
Research Methods  
Research Project

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)



# Sustainable Food Surplus Practice

This programme will answer the objectives of the community climate action programme (CCAP), addressing the needs of community volunteer organisations (CVOs) identified through independent research, by providing a multi-faceted educational programme on practical aspects of food waste minimisation and food redistribution. The case studies will provide replicable examples of organisations who have used SFD alongside other complementary sustainability practices to create the basis for sustainable food communities. The regionally focused training will facilitate peer- and action-learning based on the education programme, case studies and toolkit.

## Key course details



### Entry Requirements

Applicants must meet one or more of the following criteria:

- Pass mark in any QQI FET Major Award at Level 5.
  - Grade O6/H7 or better in five Leaving Certificate subjects. Leaving Certificate must include English or Irish and Mathematics. Maths at F2 is acceptable. Irish at F2 is acceptable. Equivalent qualifications from other countries also accepted.
  - Leaving Certificate Applied with 160 credits.
  - A Pass in the ATU Access programme, the QQI FET Foundation Certificate, the NUIG/ATU Foundation Certificate or any Foundation/Access Certificate.
- For full entry requirements, please visit the course webpage.



### Study Hours

Each module requires a total of 6 hours study per week, 1 hour for online lecture and 5 hours for independent learning. This programme comprises of 6 modules taken over 2 semesters. Note: For the Community Outreach Project module, hours will be established by the student on initiation of their Community Outreach Project.



### Examination & Assessment

Each module will be assessed through continuous assessment. No final exams.



### On-Campus Attendance

No on-campus attendance required for this programme.



### Who should apply?

Graduates of this programme will be skilled to work with organisations involved in food aid, donations and surplus food distribution, non-governmental organisations, vocational training institutes e.g., trainer of trainers.

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

Funding opportunities are available through FoodCloud.

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introduction to Surplus Food

Food Safety and Legislation for the Safe Redistribution of Food

Surplus Food Distribution

Repurposing Surplus Food

Sustainable Surplus Food Management

Community Outreach Project

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor: Mary Tully:

Mary.Tully@atu.ie



# Sustainable Food Systems

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme enables graduates to gain a thorough understanding of policies, best practices, sustainable tools and theories that shape the world of food sustainability systems. Students get the opportunity to apply systems thinking approaches to critically and creatively evaluate the complexity of food systems and identify current and future challenges that may arise when adopting a sustainable system. At Masters level, students pursue research on an appropriate topic in sustainable food systems, develop a research question or test a hypothesis, apply the appropriate research methodology, integrate research findings, and articulate the key considerations of the specific investigation.

## Key course details



### Entry Requirements

A Level 8 Degree or Level 9 in other areas with sufficient work experience as assessed by ATU. Applicants with other qualifications and relevant work experience may also be considered through ATU Sligo's Recognition of Prior Learning (RPL) process.



### Study Hours

Students should allow 7 hours per week, consisting of 2 hours online evening lectures and 5 hours independent learning and project work.



### Examination & Assessment

Emphasis on practical application. 100% continuous assessment for each module.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

Those who work in the food and drink industry with full or increased levels of responsibility in sustainability within their businesses.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €3500

\*Food and Drink Ireland Skillnet member rate - €2250

Introduction to Sustainability  
Systems Thinking  
Sustainable Production  
Sustainability Across the Supply Chain

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €7000

\*Food Drink Ireland Skillnet Member Rate - €4500

Sustainable Food Systems and Regulatory Interactions  
Research Methods in Food Regulatory Affairs and Sustainable Food Systems  
Sustainability and International Markets  
Professional Development in Sustainable Food Systems

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €9900

\*Food and Drink Ireland Skillnet member rate - €6650

Dissertation in Food Regulatory Affairs and Sustainable Food Systems

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie



# Eolaíocht na Beatha Life Science

Certificate

## Accredited Company Training

This 30-credit project module is completed over 1 year. Students working in the pharmaceutical or bio-pharmaceutical industries, medical device manufacturing, or another lab or GMP environment choose a work-based project in collaboration with their workplace. Students complete and write up this project in a mini thesis/report with the support of an academic supervisor. It is also advised students arrange a team leader or similar to act as a project support mentor on site. The project to be undertaken by the student should address a substantive issue in the workplace. The project will test the student's ability to define a real life problem of concern to the company, design a strategy for addressing the problem, gather data, formulate and evaluate options and make recommendations. This project should be of a level that does not require a non-disclosure agreement (NDA) with ATU.

### Key course details



#### Entry Requirements

It is a requirement that students are working in the pharmaceutical, biopharmaceutical or medical devices manufacturing industry or equivalent.



#### Study Hours

This is a self-directed, 30-credit project module and therefore will require on average about 30 hours per week.



#### Examination & Assessment

This course has no final exam. Assessment is by continuous assessment, with a large proportion based on a project thesis and oral presentation.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This programme is for those working in the pharmaceutical/bio-pharmaceutical/GMP industry who is taking part in (or regularly takes part in) workplace projects suited to being written up and presented on for this module. It is suitable for someone who requires 30 Credits at Level 6 perhaps to progress to Level 7. It is also suited to those who prefer practical, project-based work rather than exams.

### Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

There are no modules in this programme as it is fully project based at the students workplace.

# Advanced Therapy Medicinal Products (ATMP) Cell Manufacturing

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme is run in conjunction with NIBRT. The programmes seek to enhance graduate employability by building in elements of case studies, group work, simulated problem solving, examples in context, and use of guest lecturers where feasible and appropriate. Modules such as Biocontamination, Cell Processing and Research methods enhance employability, as they are very transferable across sectors and do not limit students to specific roles. Key learning opportunities for students will be to apply their knowledge gained through the course to real workplace problems in real time, thus enhancing their skills and employability.

## Key course details



### Entry Requirements

The programme is open to students who have completed a minimum of a 2.2 Honours Level 8 degree in a Science or Engineering subject related to the life sciences. Other candidates with alternative honours degrees and experience in the ATMP industry may apply for consideration (typically 5 years duration in a GMP environment). The entry requirements will encompass recognition of prior accredited learning in other third level institutions, in accordance with ATU procedures.



### Study Hours

Students can expect to attend 3 online lectures per week and allocate some additional time for independent learning - usually around 5 hours per module.



### Examination & Assessment

The assessment approach for this module will be 100% continuous assessment with a range of assessment methods employed including some of the following: shortform assessment exams incl. MCQs, project assignments, essays, enquiry based learning, oral presentations, viva's etc.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is aimed at manufacturing, quality, engineering and regulatory personnel who are looking to increase their understanding and application of ATMP technologies. It will provide a postgraduate qualification in the area of ATMP manufacturing that will form both an introduction for new or proposed entrants to the area and additional skills and knowledge to those working in the area. This course will give them the opportunity to move upwards to leadership roles.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €6000

Introduction to Advanced Therapy Medicinal Products  
Molecular Engineering  
Cell Processing 1  
Biocontamination Monitoring & Control in ATMP Manufacturing  
Cell processing 2 with QC Analytical techniques  
EU Qualified Person (QP) Certification of ATMPs [E]  
Research Methods Biopharma [E]

[E] = Elective Module.

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €8496

ATMP Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Mary Tully: Mary.Tully@atu.ie

# Advanced Therapy Medicinal Products (ATMP) Technology and Manufacturing

## Award Options

- **Master of Science**
- **Postgraduate Diploma in Science**

This programme is run in conjunction with NIBRT. This programme aims to provide scientists and engineers with a comprehensive grounding in critical aspects of ATMP cell therapy and vector manufacturing and quality control / quality affairs. The programme will allow participants to develop the competencies and key skills to be employed in technical, quality and manufacturing roles within the growing ATMP industry. By participating in the programme, students will develop an understanding of the facts, concepts, principles, theories and methods associated with cell therapy and vector manufacturing in the context of the ATMP industry.

## Key course details



### Entry Requirements

The programme is open to students who have completed a minimum of a 2.2 Honours Level 8 degree in a Science or Engineering subject related to the life sciences. Other candidates with alternative honours degrees and experience in the ATMP industry may apply for consideration (typically 5 years duration in a GMP environment). The entry requirements will encompass recognition of prior accredited learning in other third level institutions, in accordance with ATU procedures.



### Study Hours

Students will attend 3 online lectures per week and make additional time for independent learning. Usually this is around 5 hours per module.



### Examination & Assessment

The assessment approach for this module will be 100% continuous assessment with a range of assessment methods employed including some of the following: shortform assessment exams incl. MCQs, project assignments, essays, enquiry based learning, oral presentations, viva's etc.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is aimed at manufacturing, quality, engineering and regulatory personnel who are looking to increase their understanding and application of ATMP technologies. It will provide a postgraduate qualification in the area of ATMP manufacturing that will form both an introduction for new or proposed entrants to the area and additional skills and knowledge to those working in the area. This course will give them the opportunity to move upwards to leadership roles.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma in Science

**Duration:** 2 years

**Credits:** 60

**Total fees:** €9996

Introduction to Advanced Therapy Medicinal Products  
Molecular Engineering  
Cell Processing 1  
Biocontamination Monitoring & Control in ATMP Manufacturing  
Cell processing 2 with QC Analytical techniques  
EU Qualified Person (QP) Certification of ATMP's  
Nucleic Acid Therapies  
Operations Excellence and Risk Management  
ATMP Quality Systems and Regulatory Affairs  
Viral and Non Viral vector Production Systems  
Delivery Systems and Tissue Engineering Products  
Research Methods Biopharma

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €12,000

ATMP Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Mary Tully: Mary.Tully@atu.ie

# Advanced Therapy Medicinal Products (ATMP) Vector Manufacturing

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme aims to provide knowledge in vector and tissue engineering product biology and manufacturing techniques, and provide an overview of operations management, quality systems and regulatory affairs and research methods that will enable students to undertake and complete an independent in-depth study on a topic relevant to ATMP vector manufacturing in the form of a thesis. The programme aims to enable scientists/engineers gain expertise in critical aspects of ATMP vector manufacturing and quality control / quality affairs and apply these learnings to work based problems.

## Key course details



### Entry Requirements

The programme is open to students who have completed a minimum of a 2.2 Honours Level 8 degree in a Science or Engineering subject related to the life sciences. Other candidates with alternative honours degrees and experience in the ATMP industry may apply for consideration (typically 5 years duration in a GMP environment). The entry requirements will encompass recognition of prior accredited learning in other third level institutions, in accordance with ATU procedures.



### Study Hours

Students should expect to allocate 5 hours on average per week per 5-credit module.



### Examination & Assessment

100% continuous assessment, with a variety of assessment methods.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is aimed at manufacturing, quality, engineering and regulatory personnel who are looking to increase their understanding and application of ATMP technologies. It will provide a postgraduate qualification in the area of ATMP manufacturing that will form both an introduction for new or proposed entrants to the area and additional skills and knowledge to those working in the area. This course will give them the opportunity to move upwards to leadership roles.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €6000

Nucleic Acid Therapies  
Operations Excellence and Risk Management  
ATMP Quality Systems and Regulatory Affairs  
Viral and Non Viral vector Production Systems  
Delivery Systems and Tissue Engineering Products  
Research Methods Biopharma [E]  
EU Qualified Person (QP) Certification of ATMPs [E]

[E] = Elective Module.

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €8496

ATMP Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Mary Tully: mary.tully@atu.ie

Bachelor of Science (Honours)

# Applied Industrial Science (Add-on)

The BSc Honours Applied Industrial Sciences programme has been designed in close consultation with relevant stakeholders in industry. This workplace-based learning programme is intended for individuals working in industry who wish to undertake an intensive one-year period of study anchored in the workplace in order to upskill and enhance career development and employability in this sector. The overall philosophy of the programme is to produce science graduates who can assume positions of responsibility within the life-sciences industry by building on knowledge acquired in the workplace and reinforced with additional academic learnings.

## Key course details



### Entry Requirements

The programme is open to employees who hold a cognate Level 7 qualification, wishing to gain a Level 8 qualification in Applied Industrial Science while anchored in an appropriate industrial science-based workplace for the duration of the programme. All learners will have to verify there is a suitable agreement in place with their employer to facilitate entry and their undertaking this programme.



### On-Campus Attendance

This innovative programme combines a blend of workplace-based learning modules plus online academic modules undertaken over two semesters comprising one academic year.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6000

**Recognition of Prior Learning** X

## What will I study?

### Modules

Work Practice

Research Methods

Biocontamination Control

Auditing and Compliance

Operations Management and GMP

Project and Work Practice

Biopharmaceutical Facilities and Utilities

Bioanalytics

Validation and Calibration

Bachelor of Science

# Applied Industrial Science (Add-on)

This innovative, intensive workplace-based programme offers a new mode of study blending workplace-based activities and learning with online academic study. Students will gain relevant academic knowledge and industry-based skills throughout their studies which should enhance employability and career advancement.

## Key course details



### Entry Requirements

The programme is open to employees who hold a cognate Level 6 qualification, wishing to gain a Level 7 qualification in Applied Industrial Science while anchored in an appropriate industrial science-based workplace for the duration of the programme. All learners will have to verify there is a suitable agreement in place with their employer to facilitate entry and their undertaking this programme.



### On-Campus Attendance

This innovative programme combines a blend of workplace-based learning modules plus online academic modules undertaken over two semesters comprising one academic year.



### Who should apply?

This programme facilitates reskilling/upskilling in the workplace enhancing career advancement and employability opportunities. Graduates work in the pharmaceutical, biopharmaceutical, biomedical and medical device sectors in the areas of legislation and regulatory affairs, formulation, analysis, validation, production and quality systems.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6000

**Recognition of Prior Learning** X

## What will I study?

### Modules

Professional Skills And Work-based Learning 1

Pharmaceutical Chemistry

Introduction To Advanced Pharmaceutical Science

Pharmaceutical Processing And Medical Device Manufacture

Statistics For Scientists

Professional Skills And Work-based Learning 2

Pharmaceutical Quality Systems

Pharmaceutical Analysis

Pharmaceutical Formulation

Active Ingredient Synthesis

Bachelor of Science (Honours)

# Applied Medical Sciences (Joint Ulster University & ATU award)

This programme meets the requirements of the Institute of Biomedical Science, where students study the subject specialisms, namely cellular pathology, clinical biochemistry, clinical immunology, haematology and transfusion science, and medical microbiology, and an additional biology of disease module with a molecular-pathology emphasis.

## Key course details



### Entry Requirements

Applicants must

- (a) satisfy the University's general entry requirements; **AND**
- (b) satisfy specific academic subject requirements for admission as detailed on the ATU Sligo website



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.



### On-Campus Attendance

Students are required to attend ATU Sligo once per year for a 2-day lab workshop in years 1-3. They are also required to attend UU Coleraine for workshops in years 3 and 4.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Niamh Duddy: [Niamh.Duddy@atu.ie](mailto:Niamh.Duddy@atu.ie)

Online

**Level:** 8

**Credits:** 240

**Duration:** 4 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €17,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Biology

Information Technology for GMP  
Applied Mathematics

Fundamentals of Chemistry

Science Laboratory Skills 1

GMP 1 Quality Assurance

Physiology and Anatomy of the Human Body

Biochemistry

Biomedical Science Laboratory Skills 1

Exploitation of Biology

Scientific Communication

Introduction to Biomedical Science

Enterprise in Biomedical Sciences

Molecular Biology & Genetics Research Skills

Professional Practice in Health Care Science

Biopharmaceutical Quality Systems

Bioanalytical Techniques L7 Theory

Certificate

# Aseptic Biopharmaceutical Operations

This programme has been developed in consultation with the Biopharmaceutical industry in Ireland to ensure the course offers the skill and experience that is required for this growing industry sector in Ireland. The course has been developed and is offered in conjunction with NIBRT (National Institute for Bioprocessing Research and Training) with all of the laboratory work taking place at their state-of-the-art training facilities in Dublin.

## Key course details



### Entry Requirements

Leaving Certificate or equivalent award.



### Study Hours

For part-time online or blended learning, it is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed through continuous assessment and final exams.



### On-Campus Attendance

Two-days attendance in NIBRT, in Semester 2.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3150

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Biocontamination Control

Cleaning, Sanitisation and Utilities

Cleanroom Design and Operation

Sterilisation Technologies

Sterile Operations Practical



## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme is a joint initiative by ATU Sligo and NIBRT and aims to provide students with a comprehensive grounding in biopharma related aspects of Industry 4.0 (BioIndustry 4.0), with specific focus on cutting edge technologies.

## Key course details



### Entry Requirements

The programme is open to applicants who have obtained an Honours degree or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative Honours degrees and experience in the BioProcessing industry may apply for consideration (typically 5 years duration in a GMP environment). The entry requirements will encompass recognition of prior accredited learning in other third level institutions, in accordance with ATU procedures.



### Study Hours

It is recommended that students allow for 6 hours on average per week per 5 credit module. This includes contact time (lectures) and self directed study, along with time for completion of assignments.



### Examination & Assessment

100% continuous assessment. Some or all of the following assessment modes may apply: examinations, practical work, projects, essays, vivas, seminars, and various forms of assignment.



### On-Campus Attendance

Lectures will be delivered online, with all the practical/ laboratory work taking place in NIBRT's state-of-the-art facilities. No attendance required for Masters stage.



### Who should apply?

This programme is aimed at manufacturing, quality, engineering and site management personnel who are looking to increase their understanding and application of the latest digital trends and technologies in the validation and digitalisation fields and who already hold a Level 8 qualification in science or engineering disciplines.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €6000

Introduction to BioIndustry 4.0  
 Biologics Manufacturing: Current and Future  
 Regulation, Risk and Compliance (E)  
 Research Methods Biopharma (E)  
 Bio Industry 4.0 Theory and Practice  
 Bio Industry Data & Digital Technologies

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €8496

BioProcessing Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Michelle Moore:  
 Michelle.Moore@atu.ie

# Bioinformatics

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme will meet the current and future demand for professionals in the broad and expanding field of bioinformatics. Upon completion of the programme, graduates will gain knowledge and training in both bioinformatics and big data analytics skills. Students will graduate with in-depth training and skills in data analytics including storage, analysis and interpretation and the application of computational techniques for data-driven decision-making. Given the programme's focus on core programming competencies enriched with applied bioinformatics training, graduating students will be work-ready and able to make immediate contributions in their place of employment.

## Key course details



### Entry Requirements

Applicants require a 2.2 Honours Degree in a relevant medical or life sciences subject (e.g., Genetics, Molecular Biology, Biomedical Sciences, Bioanalytical Science, Nutrition, Biochemistry) or in a discipline with a significant element of Mathematics, Statistics or Computer Science with first or second-class honours or an equivalent qualification. Candidates who do not have an Honours degree but have significant relevant experience may also be eligible for consideration via Recognition of Prior Learning (RPL).



### Study Hours

Lecture hours: 4 hours synchronous plus 4 hours asynchronous.



### Examination & Assessment

100% continuous assessment for all modules.



### On-Campus Attendance

Optional two-day workshop at the start of each semester.



### Who should apply?

This programme will appeal to students with a background and training in the biological sciences, including but not limited to genetics, bioanalytical science, biochemistry, or molecular biology. It will be of particular interest to students who wish to develop programming skills and combine them with existing molecular biology skills, and to learn to apply this knowledge in a wide variety of sectors that deal with large databases. Computational Sciences graduates will also be interested in the programme and can extend their existing programming knowledge for application in the specialised Bioinformatics domain. The programme will also be of relevance to anyone who currently works within an organisation in the life sciences, (bio)pharmaceutical, or medical sciences sector.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2100

Genome Biology  
Genomic Techniques & Databases  
Bioinformatics Methods

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

Programming for Bioinformatics  
Data Analysis (with R)  
Bioinformatics Analysis on the Command Line

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Research Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.donegal@atu.ie

Bachelor of Science (Honours)

# Biomedical & Bio-industrial Sciences (ATU award)

This programme meets the needs of the medical biotechnology and biopharmaceutical industries. Students will study critical aspects of biopharmaceutical processing including cell culture processing, protein purification, formulation fill finish and delivery biopharmaceuticals, and support services, including quality systems and regulatory affairs, validation of biopharmaceutical systems and bio-contamination monitoring and control.

## Key course details



### Entry Requirements

Applicants must

(a) satisfy the University's general entry requirements; **AND**

(b) satisfy specific academic subject requirements for admission as detailed on the ATU Sligo website.



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 8

**Credits:** 240

**Duration:** 4 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €17,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Biology

Information Technology for GMP

Applied Mathematics

Fundamentals of Chemistry (UU)

Science Laboratory Skills 1

GMP 1 Quality Assurance

Physiology and Anatomy of the Human Body

Biochemistry

Biomedical Science Laboratory Skills 1

Exploitation of Biology

Scientific Communication

Introduction to Biomedical Science

Work Based Learning Project [E]

Enterprise in Biomedical Sciences

Molecular Biology & Genetics

For the full list of modules, please visit the programme webpage.

Bachelor of Science (Honours)

# Biomedical Sciences (Ulster University award)

This programme meets requirements of the Institute of Biomedical Science, where students study the subject specialisms, namely cellular pathology, clinical biochemistry, clinical immunology, haematology and transfusion science, and medical microbiology, and an additional biology of disease module with a molecular-pathology emphasis.

## Key course details



### Entry Requirements

Applicants must

(a) satisfy the University's general entry requirements; **AND**

(b) satisfy specific academic subject requirements for admission as detailed on the IT Sligo website <https://www.itsligo.ie/courses/bsc-honsbiomedical-sciences-ulster-awardonline/>



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 8

**Credits:** 240

**Duration:** 4 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €17,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Biology

Information Technology for GMP

Applied Mathematics

Fundamentals of Chemistry (UU)

Science Laboratory Skills 1

GMP 1 Quality Assurance

Physiology and Anatomy of the Human Body

Biochemistry

Biomedical Science Laboratory Skills 1

Exploitation of Biology

Scientific Communication

Introduction to Biomedical Science

Work Based Learning Project [E]

Enterprise in Biomedical Sciences

Molecular Biology & Genetics

For the full list of modules, please visit the programme webpage.

Master of Science

# Biopharmaceutical Manufacturing

This programme aims to provide students with an in-depth knowledge of biologics manufacturing and skills relevant to the biopharmaceutical sector. The programme was designed in partnership with Irish companies manufacturing biopharmaceuticals and relevant industry stakeholders. Learners will develop both critical research skills in biopharmaceutical science and in depth understanding of the quality processes involved in the manufacture of biopharmaceuticals products.

## Key course details



### Entry Requirements

Applicants require a Level 8 major award in any Biological Science or Engineering discipline. Candidates should ideally be employed in a Biopharmaceutical, or similar, industry and be able to undertake a year-long Applied Research Project.



### Study Hours

Lectures and tutorials will be delivered live online and will also be recorded.



### On-Campus Attendance

Learners who take the elective module in Biopharmaceutical Science will be expected to be on-site for a 2 day practical workshop in December.



### Who should apply?

This programme is suitable for graduates seeking roles as biotechnical production specialists, process sciences associates, process engineers, cell line engineers, cell biology and bioanalytical analysts, data science and analytics engineers, technical operations specialists, technical services specialists, validation specialists, manufacturing support specialists, operations lead/managers, QA specialist/managers, or leadership roles in Research and Development.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 15 months

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Bioprocessing Technology

Design and Analysis of Experiments

Elective: Biopharmaceutical Science

Elective: Quality Management Systems and Regulatory Affairs

Elective: Applied Immunology, Immunotherapeutics and Vaccine Technology

Six Sigma Management

Validation for Biopharmaceuticals

Elective: Biopharmaceutical Facilities

Elective: Machine Learning and Vision

Advanced Biopharmaceutical Science

Applied Research Project

Master of Science

# Biopharmaceutical Processing

Biopharmaceutical Processing involves studying the design, development, and processing of biologics from cell line development to bulk drug substances. This programme has been designed to meet the existing and projected needs of the sector and will help produce confident graduates that are technically competent for employment in this industry.

## Key course details



### Entry Requirements

This programme is open to students who have obtained an Honours degree (Level 8), or its equivalent, in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative honours degrees and relevant experience in the BioProcessing industry (typically 5 years duration in a GMP environment) may apply for consideration through the ATU Sligo RPL (Recognised Prior Learning) process. These candidates will be interviewed for suitability and be subject to prior approval by the Programme Board.



### Study Hours

3 lectures per week. 3 hours of self-guided study per week.



### Examination & Assessment

Each module is 100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

Those already working in the biomanufacturing industry who may wish to advance their career in the sector.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Sligo

**Total fees:** €8496

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Legislation and Reg. Affairs

Fermentation and Cell Culture Processing

Upstream Processing [E]

Scale Up and Tech Transfer [E]

Protein Purification

Research Methods

Elective: Downstream Processing OR Formulation and Delivery Systems

Bioprocessing Thesis

[E] = Elective Module

# Biopharmaceutical Processing

NIBRT and ATU Sligo have aligned to provide short, accredited certificate courses focussed on upskilling students on the key competencies required for biopharmaceutical manufacturing. Delivered via a blend of online learning with ATU, and practical modules in the NIBRT facility, subjects include bioanalytics, lean sigma, facility design, biopharma validation and biocontamination control are included in this programme to provide students with the requisite knowledge, skills and professional competencies required to be part of the biopharmaceutical and biotechnology workforce.

## Key course details



### Entry Requirements

The programme is open to students who have obtained an Honours degree (Level 8) or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative honours degrees and relevant experience in the BioProcessing industry (typically 5 years duration in a GMP environment) may apply for consideration through the ATU Sligo RPL (Recognised Prior Learning) process.



### Study Hours

The recommended study time for a 5 credit module is 4 to 5 hours each week. This includes lectures, independent learning and revision.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

Depending on Electives, students may be required to attend a 2-day block attendance at the NIBRT facility in Dublin.



### Who should apply?

Those already working in the biomanufacturing industry who may wish to advance their career in the sector.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Bioanalytical Techniques

Biocontamination Monitoring and Control

Facility Design and Operation

Biopharmaceutical Analytical Techniques Practical Module [E]

Biopharma Process Validation

Lean Sigma for BioPharma

Project Management [E]

Advanced Technologies in Bioprocessing [E]

Research Methods Biopharma

[E] = Elective Module.

Certificate

# Biopharmaceutical Processing

The Certificate in Biopharmaceutical Processing (Special Purpose Award) has been developed in consultation with the Biopharmaceutical industry in Ireland to ensure the course offers the skills and experience required for this growing industry sector in Ireland. The course has been developed and is offered in conjunction with NIBRT (National Institute for Bioprocessing Research and Training) with all of the laboratory work taking place at their state-of-the-art training facility in Dublin.

## Key course details



### Entry Requirements

Applicants must hold 120-credits at Level 6 in a cognate area (typically Science or Engineering) or equivalent qualification.



### Study Hours

The recommended study time for a 5 credit module is 4 to 5 hours each week. This includes lectures, independent learning and revision.



### Examination & Assessment

This programme is assessed via continuous assessment and final semester exams.



### On-Campus Attendance

Two-days per semester in NIBRT.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Cell Culture Processing

Protein Purification

Facilities and Utilities.

Formulation and Fill-Finish

Certificate

# Biopharmaceutical Processing

This course is designed to introduce current manufacturing processes, good manufacturing practices and current industry trends. The course is aimed at process operators, technicians, technologists, and production team leaders, primarily seeking employment, or wishing to upskill in the bioprocessing and cleanroom areas.

## Key course details



### Entry Requirements

Leaving Certificate or equivalent award.



### Study Hours

For part-time online or blended learning, it is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This programme is assessed using continuous assessment and final exams.



### On-Campus Attendance

One-day attendance in NIBRT per Semester.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3150

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Upstream Bioprocessing  
 Bioanalytical Techniques Theory  
 Downstream Bioprocessing  
 Sterile Fill/Finish for Biologics



## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

Jointly offered by ATU Sligo and NIBRT, this Masters will provide students with a comprehensive understanding of the principal scientific and engineering challenges in the manufacturing of biopharmaceutical products. Upon completion, students will have achieved an internationally recognised qualification which is highly relevant to the biopharma industry.

## Key course details



### Entry Requirements

An honours degree (Level 8) or equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative honours degrees and relevant experience in the Biopharmaceutical industry (typically 5 years duration in a GMP environment) may apply for RPL.



### Study Hours

Students can expect to have 3 hours of live lectures per week. It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

If practical elective selected, two-day attendance at NIBRT Dublin, per semester.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €6000

Fermentation and Cell Culture Processing  
 Legislation and Regulatory Affairs  
 Scale-up and Technology Transfer [E]  
 Upstream Bioprocessing Practical [E]  
 Protein Purification Processing  
 Research Methods Biopharma  
 Formulation and Delivery Systems [E]  
 Downstream Bioprocessing Practical [E]

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €9996

Biocontamination Monitoring and Control  
 Bioanalytical Techniques  
 Facility Design and Operation [E]  
 Biopharmaceutical Analytical Techniques Practical Module [E]  
 Biopharma Process Validation  
 Lean Sigma for BioPharma  
 Project Management [E]  
 Advanced technologies in Bioprocessing [E]

### Master of Science

**Duration:** 2.5 years

**Credits:** 90

**Total fees:** €12,000

Biopharmaceutical Dissertation

[E] = Elective Module.

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Michelle Moore:

Michelle.Moore@atu.ie

# Biopharmaceutical Science

This programme 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.

## Key course details



### Entry Requirements

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



### Study Hours

Students can expect to have 3 hours of live lectures per week. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

This course is examined via continuous assessment.



### On-Campus Attendance

Workshops/practical classes: 2 days attendance in NIBRT in Year 2, Semester 2.



### Who should apply?

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.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Lean Sigma

Cell Culture Processing

Quality Systems And Regulatory Affairs

Biocontamination Control

Formulation Fill Finish And Delivery Of Biopharmaceuticals

Recombinant Drug

Development And Engineering

Protein Purification

Biopharmaceutical Validation  
Bioanalytics

Biopharmaceutical Facilities  
And Utilities

Biopharmaceutical Science  
Project [E]

Biopharmaceutical Science  
Practical [E]

[E] = Elective Module.

Certificate

# Biopharmaceutical Science

This programme has been developed in consultation with the Biopharmaceutical industry in Ireland to ensure the course offers the skill and experience that is required for this growing industry sector. It has been developed by ATU Sligo and NIBRT to develop a National Biopharma Training Programme to provide jobseekers with the following skillsets including cell culture processing, protein purification, biopharmaceutical validation, quality systems, bioanalytics and lean sigma.

## Key course details



### Entry Requirements

The programme is open to students who have obtained an ordinary degree (Level 7) or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Applicants with relevant industrial experience may apply for consideration under the RPL (Recognised Prior Learning) process.



### Study Hours

For part-time online or blended learning, it is recommended that you should try to allow for 5-6 hours per week per 5 credit module to your studies.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This course is particularly suited to provide the core skills to transition those with previous experience as operators, technicians or supervisory/managerial grades to similar roles within the (bio)pharma manufacturing sector and also to more specialised roles.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5598

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Lean Sigma

Cell Culture Processing

Quality Systems and Regulatory Affairs

Protein Purification

Biopharmaceutical Validation

Bioanalytics



# Biopharmaceutical Science

This programme in Biopharmaceutical Science aims to provide students with the knowledge, know-how, training and practical experience to enable them to gain employment in the Biopharmaceutical or Biomedical industries. 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 which underpins the industry. A number of the modules incorporate hands-on, laboratory work at the state-of-the-art, NIBRT facility in Dublin.

## Key course details



### Entry Requirements

Applicants require a qualification with 120 credits at Level 6 on the NFQ (Higher Certificate) in Science or in a cognate area. Applicants who may not have the aforementioned qualifications but who may have relevant industrial experience (typically 5 years duration in a GMP environment) may apply for consideration through the ATU Sligo RPL (Recognised Prior Learning) process.



### Study Hours

Students can expect to have 3 hours of live lectures per week. It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

There is a blend of continuous assessment and terminal examinations for the course.



### On-Campus Attendance

Students are required to travel to NIBRT for two days practical training per semester for the Cell Culture, Protein Purification and Bioanalytical Techniques Practical (elective) modules.



### Who should apply?

Graduates from this programme can expect to find employment in the Biopharmaceutical, Biotechnology, Medical Diagnostics or Pharmaceutical, sectors as well as more broadly in the area of analytical science.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6000

**Recognition of**

**Prior Learning** ✓

## What will I study?

### Modules

Biopharmaceutical Quality Systems

Bioanalytical Techniques Theory [E]

Bioprocess Engineering Theory [E]

Bioprocess Engineering Practical [E]

Bioanalytical Techniques Practical [E]

Lean Sigma

Biopharmaceutical Validation

Biocontamination Control

Cell Culture Processing

Facilities And Utilities

Protein Purification

Formulation And Fill-finish

[E] = Elective Module.

# Biopharmaceutical Validation and Digitalisation

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 ATU Sligo and NIBRT (National Institute for Bioprocessing Research and Training). This post-graduate programme in Science in Validation and Digitalisation aims to provide students with a comprehensive grounding in critical aspects of Biopharmaceutical Processing and Support Services, with specific focus on the validation of equipment and facilities and understating of the applications of BioIndustry 4.0.

## Key course details



### Entry Requirements

The programme is open to students who have obtained an Honours degree (Level 8) or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative honours degrees and relevant experience in the BioProcessing industry (typically 5 years duration in a GMP environment) may apply for consideration through the RPL process.



### Study Hours

Students can expect to have 3 hours of live lectures per week. It is recommended students undertake self-study of 5-6 hours per week per 5 credit module.



### Examination & Assessment

The programme is assessed via a blend of continuous assessments and final exams.



### Who should apply?

Graduates from this programme can expect to find employment in the Biopharmaceutical, Biotechnology, Medical Diagnostics, Medical Devices and Pharmaceutical sectors, at the appropriate level. 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. Graduates are typically employed in managerial positions in Scientific, Operations and Quality Assurance / Control positions in the Biopharmaceutical and Biotechnology industry sectors both in Ireland and abroad.

Online

**Level:** 9

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €9996

\*HCI Pillar 1 funding may be available

**Recognition of**

**Prior Learning** ✓

## What will I study?

### Modules

Biologics Manufacturing

Facility Design and Operation

Regulation, Risk and Compliance

Introduction to BioIndustry 4.0

Job Readiness

Commissioning, Qualification & Validation

Scale-up and Technology Transfer

Bio-Industry 4.0 Theory and Practice

Work Practice and Placement

## Course Contacts

**Admissions:**

[admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:**

Michelle Moore:

[Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

# Bioprocess Engineering

This Certificate has been developed in consultation with the Biopharmaceutical Industry in Ireland to provide students with the required technical knowledge, skill and experience that is required for the control and operation of the processing equipment utilised in the Biopharmaceutical industry which is a rapidly growing sector. The course is offered in conjunction with NIBRT (National Institute for Bioprocessing Research and Training) with all of the specialist laboratory work in BioProcess Engineering taking place at their state-of-the-art training facilities in Dublin.

## Key course details



### Entry Requirements

Applicants must hold a prior Level 6 qualification in a cognate area (typically Science or Engineering) or equivalent qualification.



### Study Hours

The recommended study time for a 5 credit module is 4 to 5 hours each week. This includes lectures, independent learning and revision.



### Examination & Assessment

This programme is assessed via continuous assessment and end of semester exams.



### On-Campus Attendance

There is a blend of continuous assessment and terminal examinations for the course.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Lean Sigma

Biopharmaceutical Validation

Biocontamination Control

Bioprocess Engineering Theory

Bioprocess Engineering Practical

Biopharmaceutical Quality Systems

# Bioprocessing Technologies

This programme has been developed by ATU Sligo and NIBRT in consultation with industry to develop a National Biopharma Training Programme to provide jobseekers with skills in cell culture processing, protein purification, biopharmaceutical validation, quality systems, bioanalytics and lean sigma. The course also includes a practical laboratory module at the NIBRT Biopharmaceutical Training facility.

## Key course details



### Entry Requirements

Ordinary degree (Level 7) or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences).



### Study Hours

The recommend study time for a 5 credit module is 4 to 5 hours each week. This includes lectures, independent learning and revision.



### Examination & Assessment

This programme is examined via 100% continuous assessment.



### On-Campus Attendance

Two-day practical lab element in NIBRT, Dublin, during Semester 2.



### Who should apply?

This course is particularly suited to provide the core skills to transition those with previous experience as operators, technicians or supervisory/managerial grades to similar roles within the (bio)pharma manufacturing sector and also to more specialised roles.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €5599

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Biopharmaceutical Facilities and Utilities

Biopharmaceutical Science Project [E]

Biopharmaceutical Science Practical [E]

Biocontamination Control

Formulation Fill Finish and Delivery of Biopharmaceuticals

Recombinant Drug Development and Engineering

[E] = Elective Module.

ATU Sligo

# Commissioning, Qualification and Validation (CQV) for Biologics Manufacturing

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme is designed to provide students with the knowledge required to be involved in the commissioning of equipment and utilities used in biopharmaceutical plants. It will equip students with the knowledge and skills required to perform commissioning of a bioprocessing plant, and the equipment related to the biotechnology industry. This programme is jointly offered by ATU Sligo and NIBRT (National Institute for Bioprocessing Research and Training).

## Key course details



### Entry Requirements

The programme is open to applicants who have obtained an Honours degree or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative Honours degrees and experience in the BioProcessing industry may apply for consideration (typically 5 years duration in a GMP environment).



### Study Hours

Students should expect to allocate 6 hours on average per week per 5-credit module.



### Examination & Assessment

100% continuous assessment. Some or all of the following assessment modes may apply examinations; practical work; projects; essays; vivas; seminars and various forms of assignment.



### On-Campus Attendance

Lectures will be delivered online. Depending on electives, students may be required to attend a 2 day block attendance at the NIBRT facility in Dublin.



### Who should apply?

This programme will appeal to personnel who wish to advance their career in biopharma while specialising in an area beneficial to their employer, where there is a shortage of qualified and experienced personnel in Ireland. The programme will address a knowledge gap amongst junior CQV engineers that don't have a specific engineering background in areas such as hygienic pipework principles, P&ID walkdowns, instrumentation and calibration.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €6000

Biologics Manufacturing  
Facility Design and Operation  
Regulation, Risk and Compliance (E)  
Research Methods Biopharma (E)  
Commissioning, Qualification & Validation  
Scale-up and Technology Transfer

(E) = Elective Module.

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €8496

BioProcessing Thesis

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.sligo@atu.ie

**Student Advisor:**

Michelle Moore:

Michelle.Moore@atu.ie

Certificate in Science

# Computerised Systems and Data Quality for Medtech

This course is focused on developing knowledge and skills in the area of computerised system, software and automated system validation. There is a skill shortage in this specific area. Focus is on the Medtech manufacturing sector. The course includes the core CSV/SV/ASV, plus data integrity, project management as well as a module dedicated to exploration of emerging trends.

## Key course details



### Entry Requirements

A Level 7 major award in any Science or Engineering discipline. Candidates with experience in the area will be considered for entry using RPL (Recognition of Prior Learning).



### Study Hours

6.5 hours per week class time.



### Examination & Assessment

Two modules are 100% continuous assessment. Two are 50% continuous assessment and 50% final exam.



### On-Campus Attendance

Mandatory attendance at workshops - usually once (maximum twice) per semester.



### Who should apply?

Anyone looking to move into or evolve within a CSV / software quality role. Previous students include Quality engineers, production managers, validation engineers and automation business owners.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 25

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1250

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Software and Automated System Validation

Data Use and Integrity

Managing Validation Projects

Emerging Medtech Software Trends



# End-to-End Sterility Assurance

## Award Options

- **Master of Science**
- **Postgraduate Certificate**

This programme has been designed to meet the growing demands of companies in filling sterility assurance scientist and quality assurance operational roles. The impetus for the development of this specialist programme emerged from industry needs and the content has been developed in conjunction with a Sterility focus group comprised of industry sterility experts from Irish Medtech Association's Sterility Forum. This course in End-to-End Sterility Assurance will provide students with a detailed understanding of sterilisation methodologies applied to medical technologies in a range of contexts.

## Key course details



### Entry Requirements

Level 8 primary degree in a science/engineering subject, related to the life sciences. Previous or current experience in sterility (minimum two years) will be considered in assessing entry qualifications for candidates with a relevant Level 7 qualification with appropriate experience. Such candidates can apply through the Recognition of Prior Learning (RPL) process.



### Study Hours

4 modules per semester. 6-7 hours of live recorded lectures per week. 4 hours of independent learning per module per week.



### Examination & Assessment

100% continuous assessment with assignments, and a submission of an applied research project at the end of the year.



### On-Campus Attendance

Some on-campus attendance required for practical workshops and group project work. Site visits to industry facilities take place at the end of each semester.



### Who should apply?

This programme is aimed at graduates who have either a science or bioengineering background and are aiming to develop their careers in sterility assurance.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €4500

Medical Device Product Life-cycle  
Design of Experiments & Analysis  
Research Methods  
Research Project  
Leadership and Teams  
Managing Innovation

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €5500

\*Irish Medtech Skillnet members pay €3,500

Applied Research Project

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

# Entrepreneurship and Biopharmaceutical Manufacturing

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

This programme has been designed to meet the growing demands of companies in filling leadership and operational roles in the biopharmaceutical sector. This course will provide students with a detailed understanding of bioprocessing technologies, six sigma management and validation for biopharmaceuticals. The programme will also cover topics such as quality management systems and regulatory affairs for biopharmaceutical products; strategic marketing and communication; leadership and teams; managing innovation; finance and accounting.

## Key course details



### Entry Requirements

A H2.2 Bachelor degree at level 8 in a cognate science discipline such as biochemistry, microbiology, biology, biomedical science/engineering or equivalent, is required. Applicants who do not hold the specified qualification, may apply through the ATU RPL (Recognition of Prior Learning) process for admission to the programme.



### Study Hours

This course is offered mostly online with 6-10 lecture hours per week and 1-3 self-guided study hours.



### Examination & Assessment

Assessment methodologies will mainly include individual/group projects, assignments, closed-book written exams, oral presentations and thesis submission.



### On-Campus Attendance

There is a mandatory on-campus attendance requirement on 3 x Fridays each semester (2 semesters in total).



### Who should apply?

The programme is aimed at graduates who have either a science or engineering background and are aiming to progress their careers in a leadership/managerial role.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4200

\*Springboard+ funding may be available.

Strategic Marketing and Communication  
Principles of Finance and Accounting  
Managing Innovation  
Leadership and Teams  
Six Sigma Management  
Validation for Biopharmaceuticals  
Advanced Biopharmaceutical Science  
Bioprocessing Technology  
Quality Management and Regulatory Affairs  
Research Project

### Master of Science

**Duration:** 1 year

**Credits:** 90

**Total fees:** €6300

Thesis

Blended

**Level:** 9

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Galway City

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

### Student Advisor:

Eileen O'Hara:  
eileen.ohara@atu.ie

Master of Science

# Entrepreneurship and MedTech

The MSc in Entrepreneurship and Medtech program is designed to equip learners with the essential knowledge and skills required to navigate the intersection of entrepreneurship and medical technology. This program aims to empower students with a robust entrepreneurial skill set, fostering innovation and strategic thinking. Graduates who complete this program will be well-equipped to lead in the dynamic intersection of entrepreneurship and the medical technology sector.

## Key course details



### Entry Requirements

A H2.2 Bachelor's degree at Level 8 in any cognate discipline or equivalent in science, technology, or engineering is the minimum entry requirement for this programme. English Language Requirements will be as determined by ATU and as published in the Access, Transfer and Progression code.



### Study Hours

This course is offered mostly online with 6-10 lecture hours per week and 1-3 self-guided study hours.



### Examination & Assessment

Assessment methodologies will mainly include individual/group projects, assignments, closed-book written exams, oral presentations and thesis submission.



### On-Campus Attendance

The course requires a few on-campus activities for the Principles of Finance and Accounting and Strategic Marketing and Communication modules.



### Who should apply?

The MSc in Entrepreneurship and Medtech is an ideal program for aspiring entrepreneurs, business professionals, and innovators who are passionate about the intersection of business and medical technology. The program is designed for individuals who want to take on leadership roles, such as healthcare entrepreneurs, innovation managers, and business strategists in the MedTech industry.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Blended

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Strategic Marketing and Communication

Principles of Finance and Accounting

Managing Innovation

Leadership and Teams

Global Regulatory Strategies for Medical Technologies

Medical Technologies

Pre-clinical Evaluation and Assessment

Design Control and Risk Management

CEO Masterclass

Research Project 1

Design of Experiments and Analysis

Research Methods

Research Project 2

Higher Certificate in Science

# Good Manufacturing Practice

This course affords students the requisite 120 credits at Level 6 they need before entering and completing a Level 7 degree. Year 1 provides a basic grounding in fundamental science subjects, like Maths, Biology, Chemistry and Physics, with no expectation of prior knowledge in these subjects. Year 2 of the programme provides a more defined focus toward topics in the bio-pharmaceutical industry.

## Key course details



### Entry Requirements

This is an entry-level program. The requirements are therefore an Irish Leaving Certificate or equivalent award. However, those with relevant work experience, or apprentice qualifications, in a related field or closely aligned industry will also be accepted.



### Study Hours

Each 5-credit module in the programme will offer a 1 hour lecture weekly, 10-credit modules will offer between 1 and 2 hours of lecture content. For part-time online or blended learning, it is recommended that you should try to allow for approximately 7 hours per week for a 5-credit module, and double this for 10-credit modules.



### Examination & Assessment

Some modules on the programme will be assessed fully through continuous assessment. Others will be assessed through a combination of continuous assessment and final exams.



### On-Campus Attendance

In Year 2 of the programme students must attend 2 full days of laboratory practicals, one each semester, with ATU's delivery partner NIBRT in Dublin.



### Who should apply?

This is ideal for those hoping to gain employment in the Pharmaceutical, Biopharmaceutical, Medical Devices or any GMP or science related industry. It is equally relevant to those currently working in these industries seeking to progress in the workplace. The fundamental nature of the subjects taught makes this an ideal solution for learners returning to study or those planning a career change.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 6

**Credits:** 120

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Sligo

**Total fees:** €5400

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Year 1

Measurement Science

Applied Mathematics for GMP

Information Technology for GMP

GMP 1 Quality Assurance

Calibration Science

Biology for GMP

Fundamentals of Chemistry

GMP 2 Quality Control

Year 2

For Year 2, students complete a 30-credit project module Accredited Company Training, and can choose a further 30 credits from: Upstream Bioprocessing, Downstream Bioprocessing, Bioanalytical Techniques Theory, Sterile Fill/Finish, Biocontamination control, Cleaning, Sanitisation and Utilities, Cleanroom Design and Operation, Sterilisation Technologies and Sterile Operations Practical.

# Industrial Pharmaceutical Science

This course comprises of six modules, providing teaching in 22 major subject areas and an MSc Research Project. For suitably qualified candidates who wish to pursue Qualified Person Status, the course fulfils the educational requirements required by European Directive 2001/83/EC and 2001/82/EC.

## Key course details



### Entry Requirements

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 to have completed a minimum of two years of practical industrial experience in an appropriate manufacturing environment.



### Study Hours

Most online courses typically involve 3 x 5 credit modules per semester which leads to an average 15 – 18 study hours per week. Our online courses have about 3 hours of live lectures per week (but this can vary per programme). The rest of your study time consists of independent learning, communicating with your lecturers and classmates and carrying out assignments.



### Examination & Assessment

This programme is assessed by a mix of continuous assessment and final exam.



### On-Campus Attendance

One workshop per semester (which will be a day and a half on a Friday and Saturday).

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

## Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €16,200

**Recognition of Prior Learning** X

## What will I study?

### Modules

MIPS1 - Active Pharmaceutical Ingredients and Pharmaceutical Analysis

MIPS2 - Chemistry, pharmacology and toxicology of therapeutics

MIPS3 - Regulation and licensing of Pharmaceutical and Biotechnology products and Medical Devices

MIPS4 - Formulation of dosage forms, sterile pharmaceuticals and advanced drug delivery systems

MIPS5 - Processes and production and pharmaceutical Quality systems

MIPS6 - Management of Pharmaceutical Operations and Projects

MIPS7 - Research Project

# International Medical Technologies, Innovation and Development

This programme develops the necessary skills required to strategically support the innovation journey of medical technologies for access into target international markets. Learners will not only develop critical research skills to support the convergence in medical technologies but will also understand regulatory requirements and advanced testing methods to meet the business strategy and plans for the market for new technologies.

## Key course details



### Entry Requirements

A H2.2 Bachelor degree at Level 8 in any cognate discipline or equivalent in science, technology or engineering, is the minimum entry requirement for this programme.



### Study Hours

Lectures and tutorials will be delivered live online and will also be recorded.



### On-Campus Attendance

Semester 1: Evening on-site practical every four weeks. Semester 2: Four one-day workshops held every four weeks. Two on-site device evaluation practicals in ATU Galway City's Medical Imaging suite. Four network evening events with key opinion leaders.



### Who should apply?

This programme has been designed for people in full-time employment in the MedTech/Life Sciences sector seeking to progress their careers.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

## Blended

**Level:** 9

**Credits:** 90

**Duration:** 18 months

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €6300

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Design Control and Risk Management

Medical Technologies

Design and Analysis of Experiments

Global Regulatory Strategies for Medical Technologies

Pre-clinical Evaluation and Assessment

CEO Masterclass

Research Project in Medical Technologies



# Medical Device Regulatory Affairs and Operations

This programme has been specifically designed to meet the growing requirements of medical technology companies in filling regulatory and quality assurance roles, introducing a focus on operations. The course provides students with an introduction to the core elements of the product development lifecycle and the associated role of a Medical Technology Regulatory Affairs and/or Quality professional, introducing a focus on Operations.

## Key course details



### Entry Requirements

Applicants with a Level 7 qualification in a relevant area of Science, Engineering or Technology are eligible to apply for this programme. Applications from candidates who hold a Level 7 primary degree in a non-technical subject, and who have at least two years medical technology industry experience in quality and /or regulatory affairs will be considered.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module.



### Examination & Assessment

Assessment of students will be through continuous assessment of each module, which will include written assignments, workshop-based problem solving, and open-book exams using multiple choices, matching questions as well as short and long answer questions.



### Who should apply?

This course will enable Regulatory Affairs and quality personnel in the Medical Technology industry to understand all current device and diagnostic regulations and to develop the skills necessary to address and prepare for the ever-changing global environment of regulatory affairs.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4890

Next Level Skillnet funding may be available.

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Fundamentals of Global Medical Device Regulations

Sterilisation and Biocompatibility

Operations Management and GMP

Fundamentals of Medical Device Clinical Trials

Introduction to Market Vigilance and Labelling

Technical Report Writing

Master of Science

# Medical Science

This programme is aimed at medical science professionals aiming to enhance their careers in research and advanced clinical or professional practice. The programme allows learners to specialise in one of the core Medical Science disciplines and develop an in-depth knowledge of clinical and laboratory medicine and advanced skills to conduct independent research.

## Key course details



### Entry Requirements

Applicants require a BSc (Hons) in Medical Science/ Biomedical Science and must currently be working as a Medical Scientist in a clinical diagnostic laboratory. Candidates enrolled in the programme must complete a laboratory-based research project, and access to laboratory facilities and associated support is a prerequisite for this programme.



### Study Hours

Lectures and tutorials will be delivered live online, normally between 6pm and 9pm, and will also be recorded. The average weekly contact time for the programme is 7-8 hours.



### Examination & Assessment

This programme is mainly assessed via continuous assessment - with just one module having one online final exam.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for working Medical Scientists seeking career progression to Senior Medical Scientist, Specialist Medical Scientist, Chief Medical Scientist and Laboratory Manager.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

**Student Advisor:** Eileen O'Hara: eileen.ohara@atu.ie

Online

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Galway City

**Total fees:** €8000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Design and Analysis of Experiments

Research Methods

Advances in Clinical Laboratory Diagnostics

Molecular Diagnostics and Bioinformatics

Research Project in Medical Science

Applied Quality Management for the Clinical Diagnostic Laboratory

Clinical Laboratory and Project Management

Advanced Practice in Transfusion and Transplantation Science [E]

Advanced Clinical Chemistry [E]

Advanced Clinical Laboratory Haematology [E]

Advanced Clinical Microbiology and Infectio [E]

Clinical Immunology, Global Infections and Therapeutics [E]

Advanced Cellular Pathology [E]

Higher Diploma

# Medical Science

This Higher Diploma is a graduate programme aimed specifically at medical laboratory assistants with a degree in science who wish to obtain a qualification that will allow them to work as medical scientists. Students will learn theory and practical skills relating to each of the core medical laboratory science disciplines.

## Key course details



### Entry Requirements

L8 BSc in Biochemistry or Clinical/Medical Microbiology or Immunology or equivalent including a laboratory-based research project. Applicants must be in employment in a laboratory working to ISO 15189 standard and have a letter from the laboratory management that commits to 1000 hours of multi-disciplinary practice placement. Refer to the website for further entry requirements.



### Study Hours

The average weekly contact hours are 8 hours per week for each semester. There is also a significant level of self-directed learning outside these weekly contact hours.



### Examination & Assessment

Some modules are 100% continuous assessment, whilst others are a mixture of continuous assessments and final exams. Practice Placement in Medical Science 1.1 is a pass/fail module.



### On-Campus Attendance

Approximately 3 days per semester in stage 1 for practical workshops. During stage 2, students will come onsite for post-placement interviews (1 day) during the final semester, along with a practical workshop that will take place over a number of days.



### Who should apply?

Suitable for those in employment as medical laboratory assistants in a laboratory working to the ISO15189 standard.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €10,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Professional Practice & Communication in Medical Science

Medical Microbiology 1.1

Clinical Immunology 1.1

Cellular Pathology 1.1

Quality Management in Medical Science 1.1

Clinical Chemistry 1.1

Transfusion Science 1.1

Haematology 1.1

Practice Placement in Medical Science 1.1

Pathology in Practice

Clinical Research Methods in Medical Science

Master of Science

# Medical Technology Regulatory Affairs

This course will enable Regulatory Affairs personnel in the Medical Technology industry to understand all current device and diagnostic regulations and to develop the skills necessary to address and prepare for the ever-changing global environment of regulatory affairs. Developed jointly by the University of Galway and ATU Sligo and in conjunction with an industry taskforce comprised of regulatory experts from the Irish Medtech Association (IMA) Regulatory and Quality Working Group, the course is supported by the Irish Medical Devices Association Irish Medtech Association (IMA) Skillnet. Given the evolving nature of international regulations, a regulatory affairs professional must continually grow their knowledge and skills to be effective and to advance in their careers.

## Key course details



### Entry Requirements

Applicants require a Level 8 primary degree in a science/engineering subject related to the life sciences.



### Study Hours

The programme consists of 12 modules, each worth 5 credits. Three modules are delivered per semester. A dissertation (30 credits) is also carried out over Year 1 and Year 2.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

One optional workshop, per semester.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 9

**Credits:** 90

**Duration:** 2.5 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €13,000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introduction to EU Medical Technology Regulatory Affairs

Introduction to US Medical Technology Regulatory Affairs

Technical Report Writing

EU Medical Technology Regulatory Affairs- Advanced

US Medical Technology Regulatory Affairs Advanced

Risk Management, Labelling and

Promotion

Global Medical Technology Regulatory Affairs Part 1

Clinical Evaluation Reporting

Quality Management System

Global Medical Technology Regulatory Affairs Part 2

Design Assurance, Sterilisation and Biocompatibility

Post Market Surveillance

Medical Technology Regulatory Affairs Dissertation

Higher Diploma

# Medical Technology Regulatory Affairs Professional

This programme offers a wholistic solution for participants to gain practical & theoretical understanding of regulatory affairs activities for the Medical Technology sector. It supports the Medtech industry by ensuring that students are well practiced and educated on the specific regulations and associated application methods for global life science markets. It incorporates practical industry experience that will ensure students can immediately apply knowledge and competence. The aim of the programme is primarily intended to provide a qualification for graduates (employed/unemployed) to undertake or progress in a Medical Technology Regulatory affairs career.

## Key course details



### Entry Requirements

Course participants must have at least a Level 8 qualification 240 credits (4 year honours degree) prior to acceptance onto this course or relevant technical experience (2-3 yrs) in the medical technology industry.



### Study Hours

Generally, two evening lectures per week (2 hours each) followed by six (6) research & review self-guided study hours maximum.



### Examination & Assessment

A practical test of understanding of each module is carried out through ongoing assessment, team projects and class presentations. Module Advancement through attainment of required grade is mandatory.



### On-Campus Attendance

There will be at least one mandatory workshop in Semester 1 at ATU Galway City facilities for this programme.



### Who should apply?

Quality & Engineering Technicians or Specialists in the Medical Device, IVD or Life Science sector. It is suitable for all Technical disciplines in the Medtech sector.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 60

**Duration:** 1 year

**Study Mode:**

**Part-time:** No

**Full-time:** Yes

**Delivery Method:**  
Blended

**Campus:** Galway City

**Total fees:** €690  
90% funding available from HCI, Springboard.

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Modules Overview:

Fundamentals in Regulatory Affairs

Quality Management System including compliance & regulatory auditing. Global Regulations & Medical Device Single Audit Programme (MDSAP)

Regulatory Affairs Business Strategy including Regulatory Intelligence, Pre-market & Post-market responsibilities.

Clinical Evaluation masterclass series, Risk Management and Design Control process.

U.S. Regulations: How to do a 510k, PMA or DeNova

EU Regulations: MDR 2017/745 & IVDR 2017/746

Post Market Surveillance activities including Eudamed & Patient Safety requirements.

Special subject addressing SAMD: Software as a Medical Device & future expectations.

Higher Diploma

# Medical Technology Regulatory Affairs and Quality

This programme, developed jointly by the University of Galway and ATU Sligo, has been designed to meet the growing requirements of Irish Medical Technology companies in filling regulatory and quality assurance roles. The course will enable Regulatory Affairs and Quality personnel in the Medical Technology industry to understand all current device and diagnostic regulations and to develop the skills necessary to address and prepare for the ever-changing global environment of regulatory affairs and quality.

## Key course details



### Entry Requirements

Level 7 qualification in a relevant area of Science, Engineering or Technology.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

One optional workshop each year which is an opportunity to meet lecturers and network with other students.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Michelle Moore: [Michelle.Moore@atu.ie](mailto:Michelle.Moore@atu.ie)

Online

**Level:** 8

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Sligo

**Total fees:** €9765

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introduction to Quality Management Systems

Fundamentals of EU Medical Device Regulations

Auditing and Compliance

Fundamentals of US Medical Device Regulations

Risk Management and Design Control

Validation and Calibration

Fundamentals of Global Medical Device Regulations

Sterilisation and Biocompatibility

Operations Management and GMP

Fundamentals of Medical Device Clinical Trials

Introduction to Market Vigilance and Labelling

Technical Report Writing

Certificate

# Medical Technology Regulatory Affairs and Quality

Developed jointly by the University of Galway and ATU Sligo, this course has been designed to meet the growing requirements of Irish Medical Technology companies in filling regulatory and quality assurance roles. The course will enable Regulatory Affairs and quality personnel in the Medical Technology industry to understand all current device and diagnostic regulations and to develop the skills necessary to address and prepare for the ever-changing global environment of regulatory affairs, including Quality Management in a digital age and Quality 4.0.

## Key course details



### Entry Requirements

Level 7 qualification in a relevant area of Science, Engineering or Technology.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

One optional workshop each year which is an opportunity to meet lecturers and network with other students.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €4890

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Introduction to Quality Management Systems

Fundamentals of EU Medical Device Regulations

Auditing and Compliance

Fundamentals of US Medical Device Regulations

Risk Management and Design Control

Validation and Calibration

Bachelor of Science

# Pharmaceutical Science

This programme aims to prepare participants for employment within the Pharmaceutical Industry. The two-year degree provides students with a comprehensive but thorough introduction to a wide range of chemical and technological disciplines as they relate to the study and production of medicinal products.

## Key course details



### Entry Requirements

120 credits at Level 6 (Higher Certificate) qualification in a relevant discipline or equivalent, typically a science-related discipline.



### Study Hours

There are typically 6 live lecture hours delivered per week. These lectures are recorded in order to allow students to access them at a time that is suitable to their schedule. It is recommended that students to allow for 2 hours self-guided study per week per 5-credit module.



### Examination & Assessment

There is a blend of continuous assessment and terminal examinations for the course.



### On-Campus Attendance

No attendance required.



### Who should apply?

Those working within the Pharmaceutical Manufacturing Industry who wish to either progress to entry level roles within Quality Control and Quality Assurance or advance their role within these areas.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore michelle.moore@atu.ie

Online

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €6000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Scientific Report Writing

Pharmaceutical Chemistry

Introduction To Advanced Pharmaceutical Science

Pharmaceutical Formulation

Pharmaceutical Quality Systems

Introduction To Biopharmaceutical Science

Pharmaceutical Processing And Medical Device Manufacture

Statistics For Scientists

Pharmaceutical Analysis

Active Ingredient Synthesis

# Validation and Digitalisation Technologies

ATU Sligo

## Award Options

- **Master of Science**
- **Postgraduate Diploma in Science**

This programme is a joint initiative with NIBRT and aims to provide students with a comprehensive grounding in critical aspects of Biopharmaceutical Processing and Support Services, with specific focus on the validation of equipment and facilities and understating of the applications of BioIndustry 4.0. It will provide a postgraduate qualification in the area of digitalisation that will form both an introduction for new or proposed entrants to the area and additional skills and knowledge to those working in the area.

## Key course details



### Entry Requirements

The programme is open to students who have obtained an Honours degree or its equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative Honours degrees and experience in the BioProcessing industry may apply for consideration (typically 5 years duration in a GMP environment). The entry requirements will encompass recognition of prior accredited learning in other third level institutions, in accordance with ATU procedures.



### Study Hours

It is recommended that students allow for 6 hours on average per week per 5 credit module. This includes contact time (lectures) and self directed study, along with time for completion of assignments.



### Examination & Assessment

100% continuous assessment. Some or all of the following assessment modes may apply: examinations, practical work, projects, essays, vivas, seminars, and various forms of assignment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is aimed at manufacturing, quality, engineering and site management personnel who are looking to increase their understanding and application of the latest digital trends and technologies in the validation and digitalisation fields and who already hold a Level 8 qualification in science or engineering disciplines.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma in Science

**Duration:** 2 years

**Credits:** 60

**Total fees:** €9996

\*HCI Pillar 1 funding may be available

Biologics Manufacturing  
Facility Design and Operation  
Regulation, Risk and Compliance  
Commissioning, Qualification & Validation  
Scale Up and Technology Transfer  
Introduction to BioIndustry 4.0  
Biologics Manufacturing: Current and Future  
Regulation, Risk and Compliance (E)  
Research Methods Biopharma (E)  
Bio Industry 4.0 Theory and Practice  
Bio Industry Data & Digital Technologies

(E) = Elective Modules

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €12,000

Biopharmaceutical Dissertation

Online

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Recognition of Prior Learning** ✓

## Course Contacts

### Admissions:

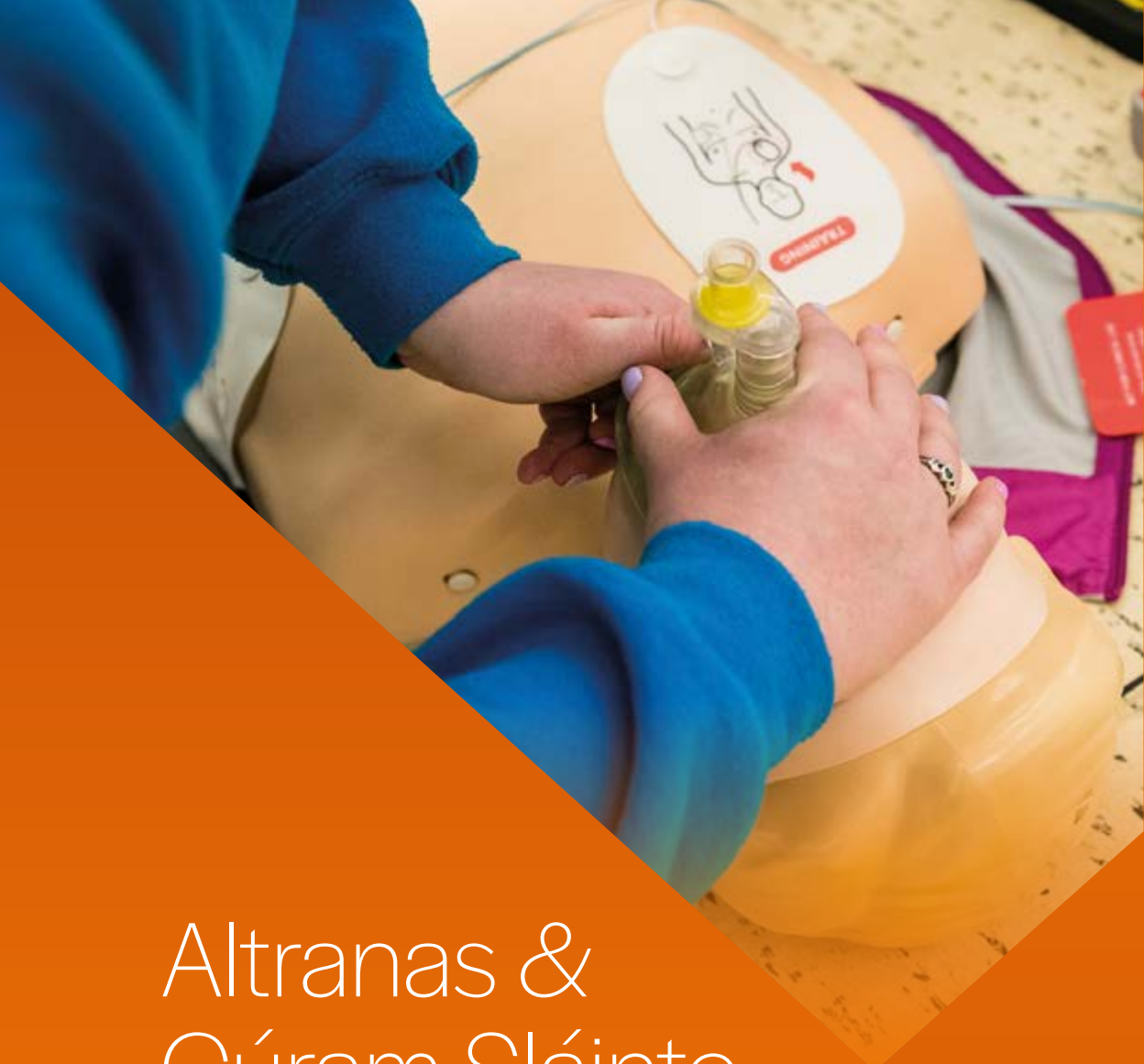
admissions.sligo@atu.ie

### Student Advisor:

Michelle Moore:

Michelle.Moore@atu.ie

# Altranas & Cúram Sláinte Nursing & Health Care



Bachelor of Science

## Applied Approaches to Childhood Autism

This programme introduces students to the different ways in which people on the autistic spectrum experience the world. Students explore the history of autism and the different strengths and challenges that it presents.

### Key course details



#### Entry Requirements

Applicants require a minimum Level 6 qualification in a relevant field of study.



#### Study Hours

Each 5-credit module will have 3 lecturing hours per week and each 10-credit module will have 4 lecturing hours per week.



#### Examination & Assessment

100% continuous assessment.



#### On-Campus Attendance

Each module will require attendance at the Letterkenny Campus for 2 Saturdays. There is also an on-campus course induction and orientation.



#### Who should apply?

This course is specifically aimed at Special Needs Assistants (SNA's), teachers and parents who have an interest in gaining practical and applied knowledge in the area of Autism Spectrum Disorder (ASD).

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 7

**Credits:** 60

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €3000

**Recognition of Prior Learning** ✓

### What will I study?

#### Modules

Understanding Autism

Diagnosis, Assessment & Early Intervention

Language & Social Communication

Functional Behaviour & Positive Support

Technology to Foster Engagement

Sensory Processing & Sensory Diets

Independent Life Skills

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Contemporary Healthcare Management)**

This programme aims to provide students with concepts, theories and academic skills to contribute to an agenda of change in their organisation. The modules will allow students to critically explore, assess, evaluate and enhance their area of professional expertise and interest, with a final module at Masters Level - Research Dissertation - enabling students to complete research in a topic of relevance to their area of expertise.

### Key course details



#### Entry Requirements

The minimum entry requirements are a Level 8 Honours Degree in a relevant discipline such as Health & Social Care, Nursing, Early Childhood Care, Social Work, Youth Work etc. Applicants may be required to undertake an interview. RPL will be considered in accordance with the Quality Assurance of ATU.



#### Examination & Assessment

This programme is assessed via 100% continuous assessment.



#### On-Campus Attendance

In the Postgraduate Certificate and Postgraduate Diploma phases, students undertake directed work and attend 3 seminar days per module on campus. In the Master of Health Science phase, students attend 3 seminar days per semester online.



#### Who should apply?

Suitable for progression for professionals working in the provision and delivery of ever-changing health and social care agenda.

### Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

### What will I study?

#### Postgraduate Certificate (Contemporary Healthcare Management)

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2100

Advanced Research Methods  
Advanced Professional Leadership & Management  
Contemporary Legal & Professional Issues

#### Postgraduate Diploma

**Duration:** 1 or 2 years

**Credits:** 60

**Total fees:** €4200

Behaviours of Concern  
Cognitive Behaviour Therapy & Mindfulness

\*For the full list of Modules, refer to the programme web page.

#### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Research Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

### Course Contacts

**Admissions:**

admissions.donegal@atu.ie

# Applied Health and Wellness Coaching

## Award Options

- **Master of Health Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme will provide professionals with the tools to complement their knowledge base and enable them to facilitate their clients to achieve their health goals. Health coaching draws on a number of underpinning theories including Motivational Interviewing, the Transtheoretical Stages of Change Model and Appreciative Inquiry. The aim of health and wellness coaching is to help the individual to choose the behaviour they want to change and support them through goal setting and ongoing goal review and support. This programme is approved by the Nursing and Midwifery Board of Ireland as a Category 2 programme.

## Key course details



### Entry Requirements

Applicants require an undergraduate degree (Level 8, NFQ) with second class honours or above. In certain circumstances applications from candidates who do not meet the above requirements will be considered provided they have a professional qualification in a relevant subject area and/or having relevant coaching experience - these applicants will require a portfolio. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

In Years 1 and 2, live lectures normally take place between 3-5 on one afternoon per week with 2 all-day workshops per module (one online, one on-campus). In Year 3, students attend 3-4 seminar days per semester online.



### Examination & Assessment

A mixture of assignments, exams and practical skills assessment.



### External Accrediting Body

This programme is an Approved Health and Wellness Coach Training & Education Program by the National Board for Health and Wellness Coaching (NBHWC). Graduates of this program are eligible to apply for the HWC Certifying Examination to become National Board Certified Health & Wellness Coach.



### On-Campus Attendance

Attendance is required at the St. Angela's Campus one or two days per semester.



### Who should apply?

This programme is suitable for a wide range of professionals working in health, wellness and coaching.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €3000

\* May be eligible for funding through the regional Centre for Nursing and Midwifery Education.

Fundamentals of Coaching and Healthy Lifestyle Behaviours  
Foundations of Health and Wellness Coaching  
Advanced Theory and Practice of Health and Wellness Coaching

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €6000

\* May be eligible for funding through the regional Centre for Nursing and Midwifery Education.

Advanced Nutrition in Health and Wellness Coaching  
Coaching Strategies for Psychological Wellbeing  
Advanced Research Skills

### Master of Health Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €9000

Research Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie



# Applied Leadership and Management in Healthcare

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Applied Leadership and Management)**

This programme aims to develop the leadership, managerial, and organisational skills of the healthcare leader and manager. Graduates will function as highly competent self-aware senior leaders, capable of informing strategy and guiding teams at the highest level in their sector. This degree is work-focused and applied in nature, focusing on inter-disciplinary application.

## Key course details



### Entry Requirements

Applicants require a Level 8 degree with a grade of 2.2 or higher.



### Study Hours

It is recommended that students allow for up to 10 hours per week per 10-credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Attendance is required at the Mayo Campus for 4 x 2 days residential sessions per semester (Thursday and Friday once a month over the first academic year). The final year will comprise of scheduled meetings with the research supervisor.



### Who should apply?

This programme is suitable for those in a leadership and management role in the healthcare sector, or a person who wishes to work in that area.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate (Applied Leadership and Management)

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2400

Governance and Compliance for Quality  
Leadership and Management  
Employment Law and Finance

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Applied Research  
Strategic Organisational Dynamics and Change for Leaders  
Critical Thinking and Decision Making

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Applied Research Project

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

# Applied Leadership and Management in Social Care

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Applied Leadership and Management)**

This programme aims to develop the leadership, managerial, and organisational skills of the social care leader and manager. Graduates will function as highly competent self-aware senior leaders, capable of informing strategy and guiding teams at the highest level in their sector. This degree is work-focused and applied in nature, focusing on inter-disciplinary application.

## Key course details



### Entry Requirements

Applicants require a Level 8 degree with a grade of 2.2 or higher.



### Study Hours

It is recommended that students allow for up to 10 hours per week per 10-credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Attendance is required at the Mayo Campus for 4 x 2 days residential sessions per semester (Thursday and Friday once a month over the first academic year). The final year will comprise of scheduled meetings with the research supervisor.



### Who should apply?

This programme is suitable for those in a leadership and management role in the social care sector, or a those seeking to work in that area.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate (Applied Leadership and Management)

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2400

Governance and Compliance for Quality  
Leadership and Management  
Employment Law and Finance

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Critical Thinking and Decision Making  
Strategic Organisational Dynamics and Change for Leaders  
Applied Research

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Applied Research Project

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

# Applied Leadership and Management in the Public Sector

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate (Applied Leadership and Management)**

This programme aims to develop the leadership, managerial, and organisational skills of leaders and managers in the public sector. Graduates will function as highly competent self-aware senior leaders, capable of informing strategy and guiding teams at the highest level in their sector. This degree is work-focused and applied in nature, focusing on inter-disciplinary application.

## Key course details



### Entry Requirements

Applicants require a Level 8 degree with a grade of 2.2 or higher.



### Study Hours

It is recommended that students allow for up to 10 hours per week per 10-credit module.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Attendance is required at the Mayo Campus for 4 x 2 days residential sessions per semester (Thursday and Friday once a month over the first academic year). The final year will comprise of scheduled meetings with the research supervisor.



### Who should apply?

This programme is suitable for those in a leadership and management role in the public sector, or a person seeking to work in that area.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate (Applied Leadership and Management)

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2400

Governance and Compliance for Quality  
Leadership and Management  
Employment Law and Finance

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Critical Thinking and Decision Making  
Strategic Organisational Dynamics and Change for Leaders  
Applied Research

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Applied Research Project

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

Certificate

# Building Digital Healthcare Communities

The aim of this programme is to provide students with an understanding of the underlying strategies and technical elements involved in eHealth, and to enable these students to take a leadership role in the implementation of an eHealth environment. The focus will be on that aspect of the overall eHealth Ireland strategy which sees healthcare moving from the acute hospitals into community setting; the so-called Stay Left Shift Left strategy.

## Key course details



### Entry Requirements

A QQI NFQ Level 7 in Healthcare or in a related discipline is required. The course is primarily aimed at those either directly working in a healthcare environment, or working in organisations which supply solutions into healthcare organisations.



### Study Hours

Up to 2 hours per week for online lectures and tutorials and 3-4 hours of self guided study hours.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

The programme is suitable for candidates who are working in a healthcare or related environment, and seeking to become part of, or who are already part of, a digital transformation initiative, within that environment.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €3000

Springboard funded (90%)

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

eHealth Systems & Implementation

eHealth Strategy & Data

Telehealth Technologies

The Digital Healthcare Community

Master of Science

# Clinical Measurement Physiology

This programme places a strong emphasis on students learning to adopt a patient-centred and professional approach. Key skills acquired will be the ability to deliver valid clinical diagnostic data to colleagues and patients, broad clinical knowledge, critical thinking and research skills. For the first time in Ireland this programme will provide the opportunity to train as a Clinical Measurement Physiologist in all five disciplines; gastro-intestinal; neurophysiology; vascular; respiratory and cardiology.

## Key course details



### Entry Requirements

Applicants must have a minimum of a 2.2 Honours Level 8 degree in a relevant area of study. Prior study to a Level 6/Level 7 in mathematics, basic science subjects (biology, physics, chemistry) are a requirement in addition to the study of physiology and anatomy.



### Study Hours

The three placement semesters will be supported by a practice placement educator in the hospital site and online lectures and tutorials.



### Examination & Assessment

This programme is assessed through a combination of written exams, case studies and presentations, clinical competencies and project work.



### On-Campus Attendance

One semester is based in ATU Sligo and the other three semesters on hospital based clinical placements at various locations. These placements will be supported by a practice placement educator in the hospital site and online lectures and tutorials.



### Who should apply?

The aim of this programme is to allow people, with a related undergraduate degree, to gain the qualification, skills and competencies to enter the healthcare work force as a Clinical Measurement Physiologist - performing diagnostics tests for patients, reporting and acting on the outcomes and being part of the interdisciplinary team treating patients.

Blended

**Level:** 9

**Credits:** 120

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Sligo

**Total fees:** €12,600

**Recognition of Prior Learning** ✗

## What will I study?

### Modules

Professional Practice I

Physiological Systems

Core Placement Skills

Clinical Measurement Instrumentation

Medical Imaging

Advanced Clinical Measurement Applications

Medical Pharmacology

Clinical Biochemistry

\*For the full list of Modules, refer to the programme web page.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

# Community Mental Health Nursing

## Award Options

- **Master of Health Science**
- **Postgraduate Diploma**

Through this programme, students are able to build upon their previous nursing expertise with education in the area of Mental Health Nursing. They can respond proactively to changes in their practice and work environment and become key drivers in the development of their professional practice. The Professional Practice module aims to expose the student to contemporary mental health care in the community.

## Key course details



### Entry Requirements

Applicants must be currently practicing as a psychiatric nurse and be a Registered Psychiatric Nurse on the Psychiatric Division of the active register maintained by NMBI with at least 18 months post-registration experience. Applicants should hold a primary degree in nursing. If applicants do not have a primary degree in nursing, they will be invited to complete an access course. To progress to Year 2, students must obtain an aggregate mark of 60% in their Postgraduate Diploma (Year 1). For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Each of the six 10 credit modules have a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation. Year 2 consists of a 30 credit workload.



### Examination & Assessment

The programme is assessed by a variety of coursework, practical examinations and written examinations.



### On-Campus Attendance

In Year 1, attendance is required at St. Angela's Campus for 6 days during Semester 1 and 9 days during Semester 2. In Year 2, students attend 3-4 online seminar days per semester. Students also have group and individual research dissertation supervision.



### Who should apply?

This programme is suitable for registered Psychiatric Nurses on the Psychiatric Division of the active register maintained by NMBI who are currently practicing as a psychiatric nurse and have at least 18 months post-registration experience in psychiatric nursing (exclusive of post-registration courses).

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €10800

Making Recovery a Reality: A Co-produced Module  
Therapeutic Communication  
Advanced Research Skills  
Primary and Community Mental Health Care  
Professional Practice (Clinical)  
Introduction to Cognitive Behaviour Therapy (E)  
Assessing & Managing Clients Presenting Following Self-harm (E)  
Early Intervention for People Who Experience First Episode  
Psychosis (E)  
Eating Disorders in Adults and Adolescents (E)

(E) = Elective Module.

### Master of Health Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €12,600

Research Dissertation Practicum

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of  
Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

# Disability Studies

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

Disability studies allow us to understand disability in a different way; as a positive social and political identity, rather than a health issue or something to be 'fixed' or arouse sympathy. The study of 'disability' is inextricably linked to the concept of equality. This programme may be of interest to disabled people in Ireland, or people currently working in the disability, community, health and social care sectors. People working for, or living with, disabled people may also be interested in the programme.

## Key course details



### Entry Requirements

Applicants will normally have a primary degree (Level 8) or evidence of equivalent academic credits. (Students who do not have the aforementioned will be required to provide evidence of their ability to study at post-graduate level by undertaking a short Access Module).



### Study Hours

In years 1 and 2, live lectures are normally broadcast between 6.30pm and 8pm on Mondays and Wednesdays. In year 3, lectures run live online during the day (duration varies). It is recommended that students should try to allow for 5-10 hours per week per 10 credit module to their studies.



### Examination & Assessment

All assessment on this course is continuous assessment. This includes contribution to discussion forums, shorter written assignments and a longer final essay.



### On-Campus Attendance

On campus attendance is not mandatory but students may attend in person, or online, for seminars in year one and two which run one or two days per semester. In year three, online seminars days run 2-4 days per semester.



### Who should apply?

This programme is suitable for disabled people, family members of disabled people, healthcare professionals and people who work in any roles with connections to the disability sector.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 year

**Credits:** 30

**Total fees:** €2400

Historical Perspectives in Disability Studies  
The Lived Experience of Disability  
Personal and Social Perspectives in Disability Studies

### Postgraduate Diploma

**Duration:** 2 years

**Credits:** 60

**Total fees:** €4800

Disability and the Media  
Advanced Research Skills  
Applied Social Policy and Disability Equality

### Master of Science

**Duration:** 3 years

**Credits:** 90

**Total fees:** €7200

Research Dissertation Practicum

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

Certificate

# Emergency Nursing

Emergency department nursing is a specialty where nurses need to be competent in caring for patients that present suddenly and acutely unwell. There is a need to develop additional clinical expertise among emergency nurses. This course aims to provide essential education and clinical skills required by nurses in line with best evidence based practice.

## Key course details



### Entry Requirements

Applicants are required to be registered general nurses with the NMBI and currently employed in a HSE or HSE-funded Emergency Department for the duration of the programme. Applications are also open to non-HSE staff working in an Emergency Department.



### Study Hours

There are 3 study days per module, with 2 modules per semester.



### Examination & Assessment

100% continuous assessment.



### External Accrediting Body

NMBI Accreditation.



### On-Campus Attendance

There are 2 mandatory practical days which take place on the Letterkenny Campus.



### Who should apply?

This programme is suitable for registered general nurses working in an Emergency Department who wish to develop additional clinical expertise.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Blended

**Level:** 8

**Credits:** 20

**Duration:** 26 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €1200

**Recognition of Prior Learning** X

## What will I study?

### Modules

Emergency Medicine Foundation

Clinical Placement Emergency Medicine Nursing

Certificate

# Health Data Analytics

This programme aims to give participants the advanced applied skills to attain employment or provide rationale for career progression for those working in the sector and be responsible for maintaining, analysing and managing components of health information systems consistent with the medical, administrative, ethical, legal, accredited, and regulatory requirements of the healthcare delivery system.

## Key course details



### Entry Requirements

Applicants must hold a relevant National Framework of Qualifications Level 6 or equivalent and Recognition of Prior Learning. Academic achievements at third level to date must highlight numeracy and problem-solving skills.



### Study Hours

Students can expect to attend online lectures three evenings per week.



### Examination & Assessment

This programme is assessed via a blend of continuous assessment and final exams.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for professionals interested in developing their professional skills and technical qualities to meet the current and future needs of the healthcare sector and its multi-faceted health information system.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 7

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Advanced Statistical Methods for Health Research

Applications in Big Data

Decision Analytic Modelling

Data Mining

## Postgraduate Certificate Health Project Management

This programme aims to introduce students to the core concepts within health project management. Students gain insights into using leadership skills for the effective management of change. Students will also become proficient in a range of research methods and tools in qualitative, quantitative, and mixed methods research approaches.

### Key course details



#### Entry Requirements

Applications with a 2.2 Honours award in a relevant discipline may apply. Applicants with other qualifications and with relevant work experience may also be considered through the RPL process.



#### Study Hours

Students can expect to attend online lectures two evenings per week and each lecture will last for approximately 1-2 hours. Approximately 18-20 hours per week study commitment is required.



#### Examination & Assessment

This programme is assessed via continuous assessment.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This programme is designed to support the upskilling of current and prospective employees in the health and social care sector, who are, or who will be involved in the design, delivery or evaluation of health and social care projects or service improvement programmes, but who do not have formal training or education in this area.

### Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2500

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Health Project Management

Qualitative & Mixed Methods for Health Research

Change Management and Leadership in Health Project Management

Applied Practices in Quantitative Methods

Postgraduate Certificate

## Health Promotion and Wellness Practice

This programme aims to introduce students to the core concepts and competencies required for health promotion and wellness practice. Students will become proficient in utilising evidence informed practice, statistical and data analysis and in health behaviour change approaches.

### Key course details



#### Entry Requirements

Applications with a 2.2 Honours award in any discipline may apply. Applicants who do not meet this entry criterion may be considered through Recognition of Prior Learning (RPL).



#### Study Hours

Students are expected to attend 2 lectures each week in the evening which can range from 1-3 hours. It is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



#### Examination & Assessment

This programme incorporates a variety of continuous assessment methods.



#### External Accrediting Body

International Union for Health Promotion and Education.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

As Healthy Ireland encourages all sectors of society to engage in promoting health, graduates and those working in a wide variety of backgrounds from any discipline are suitable to apply - including, but not limited to, health science/ health promotion, sport and leisure, education, health and safety, social sciences and childcare.

### Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2000

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Concepts & Competencies for Health Promotion

Evidence Based Health Promotion Practice

Health Behaviour Change

Statistics and Data Analysis



# Health Promotion Practice

This programme equips graduates with the skills and knowledge to work in a variety of health, wellness and health promotion, and research roles in the statutory, community, voluntary health and social care sector and the private sector. The programme combines the development of expertise in Health Promotion, including skills in research, analysis, and communication, with skills in the planning and execution of complex initiatives in this field.

## Key course details



### Entry Requirements

Applications with a 2.2 Honours award in any discipline may apply. Applicants who do not meet this entry criterion may be considered through Recognition of Prior Learning (RPL).



### Study Hours

Students are expected to attend 2-3 lectures in the evening each week which can range from 1-3 hours. It is recommended that students complete up to 10 hours independent learning per 5 credit module.



### Examination & Assessment

This programme incorporates a variety of continuous assessment methods.



### External Accrediting Body

International Union for Health Promotion and Education.



### On-Campus Attendance

No attendance required.



### Who should apply?

As Healthy Ireland encourages all sectors of society to engage in promoting health, graduates are welcomed from any discipline including but not limited to health science/ health promotion, sport and leisure, education, health and safety, social sciences and childcare. Graduates will be suitably qualified to work in a wide range of health and community settings. Graduates may pursue careers in research, advocacy and policy development including evidence. Other opportunities include careers as health project managers, researchers and as wellness practitioners.

Online

**Level: 9**

**Credits: 90**

**Duration: 2 years**

**Study Mode:**

**Part-time: Yes**

**Full-time: No**

**Delivery Method:**

Online

**Campus: Sligo**

**Total fees: €6300**

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Concepts & Competencies for Health Promotion

Health Project Management

Quantitative Methods for Health Research

Qualitative & Mixed Methods for Health Research

Statistics and Data Analysis

Health Promotion Practice Thesis

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor: Mary Tully:

Mary.Tully@atu.ie

Postgraduate Certificate

# Healthcare Analytics

This programme will provide students with the ability to understand, use and manipulate data through analytics skills and competency and enable them to champion healthcare analytics as a driver of quality within speciality areas of discipline or interest. Data analytics capacity and capability will be increasingly required with the volume of data generated by digital healthcare.

## Key course details



### Entry Requirements

Applicants require a Level 8 degree with a H2.2 classification or equivalent and, at least 1 year experience working in or providing solutions into a healthcare environment. There is no cognate award requirement for entry and eligible candidates may be from any domain of activity of the health services sector, including inter alia health care and social care professionals, administrative, technical support staff and solutions development providers.



### Study Hours

It is recommended that students should try to allow for 5-7 hours per week per 5 credit module to their studies. This might be broken down to allow for up to 2 hours per week for online lectures and tutorials and 4-5 hours of self guided study hours.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme will provide contextual skills and competencies to build, promote and manage data and information and to understand analytics in digital healthcare. Graduates will be able to identify areas within the healthcare environment where healthcare analytics can be applied - eHealth workers/digital champions are required across the full spectrum of healthcare job roles, spanning clinical, social care, informatics, and administration.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

**Student Advisor:** Eileen O'Hara: eileen.ohara@atu.ie

Online

**Level: 9**

**Credits: 30**

**Duration: 1 year**

**Study Mode:**

**Part-time: Yes**

**Full-time: No**

**Delivery Method:**

Online

**Campus: Mayo**

**Total fees: €2400**

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Statistics for Healthcare Analytics

Healthcare Analytics: Tools and Practices

Connected Health

Master of Health Science

# International Healthcare Management (National Stream)

This exciting programme has been developed as a response to an identified need in international healthcare for a postgraduate programme which focuses on health care management. The purpose of the programme is to prepare healthcare professionals to assume the role of managers and leaders in various health care settings globally.

## Key course details



### Entry Requirements

A primary degree (min 2:2) in Nursing or Healthcare related field. Minimum of three years post-registration nursing/health related experience. Evidence of professional registration where applicable.



### Study Hours

It is recommended that students should try to allow for 10-12 hours per week per 10 credit module to their studies.



### Examination & Assessment

The programme's content is assessed by examinations and continuous assessment.



### On-Campus Attendance

Attendance is required at the St Angelas Campus for 4 days per module.



### Who should apply?

This programme is suitable for nurses, midwives, mental health practitioners, health promotion practitioners, practice nurses, dieticians, physiotherapists, occupational therapists, health science professionals, biomedical scientists, social care workers, and other healthcare professionals.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

## On-Campus

**Level:** 9

**Credits:** 90

**Duration:** 2 years

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
On-Campus

**Campus:** St Angelas

**Total fees:** €7200

**Recognition of Prior Learning** X

## What will I study?

### Modules

Quality and Healthcare Management

Principles of Healthcare Leadership

Healthcare Ethics

Healthcare Project Management

Managing Finance in Healthcare Organisations

Strategic Management and Leadership

Enhancing Evidence Based Practice

Certificate

# Introduction to Community Development

The offered four modules can be accessed as individual modules or ideally as a set of four modules together to provide a solid practice and theoretical understanding of the community development sector. The learner will develop an understanding of principles and values underpinning processes to work towards social inclusion and equality. Through in-class and practice, students gain an understanding of the distinct approach of empowerment, cultural competency, intercultural communication and policy frameworks.

## Key course details



### Entry Requirements

Applicants require a good proficiency and competence in both written and spoken English (B1 Standard in the Common European Framework of Reference for Languages or equivalent). Applicants also require moderate computer/laptop skills and good communication skills.



### Study Hours

6 hours per week, plus 8 hours per week in practice placement.



### Examination & Assessment

Continuous Assessment for each module. These will include written assignment, presentation and online quiz.



### On-Campus Attendance

Half a day per week with in-person sessions on campus between 9.00 am and 1.00 pm. In addition to attendance on campus learners are required to evidence practice of 8 hours per week in a community development setting.



### Who should apply?

These modules are offered to people who are already engaged in the Community Development Sector.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

## Blended

**Level:** 6

**Credits:** 20

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €400 per module

**Recognition of Prior Learning** X

## What will I study?

### Modules

Introduction to Community Development

Group Dynamics and Development

Introduction to Sociology for Community Development and Youth Work

Introduction to Social Policy

# Nursing Studies

## Award Options

- **Master of Health Science**
- **Postgraduate Diploma**

The aim of this programme is to facilitate health professionals to develop and augment their knowledge and skills in a manner conducive to the development of their professional practice and become skilled in research and evidence-based practice methodology. The Postgraduate Diploma in Science phase provides a flexible format allowing students to choose from a suite of modules that are relevant to their own clinical and professional practice development. The multi-disciplinary nature of the programme mirrors the current and desired approach to healthcare delivery.

## Key course details



### Entry Requirements

Applicants must be registered as a nurse on the Register held by the Nursing and Midwifery Board of Ireland. Applicants will normally have gained a primary degree (health science/ studies or social science/studies related) Level 8 or evidence of equivalent academic credits. Applicants must also be currently employed in healthcare either in: clinical practice/ management/ research / education. For full details on the entry requirements for this programme please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

In the Postgraduate Diploma phase, most modules are assessed through a broad range of coursework formats. Students also develop a research proposal or an evidence synthesis protocol. In the Master of Health Science in Nursing Studies programme, students undertake a systematic evidence synthesis or a primary research study under supervision.



### External Accrediting Body

NMBI Category 2 Approval.



### On-Campus Attendance

In the Postgraduate Diploma phase, students undertake directed work and attend 2-4 seminar days per module on campus. In the Master of Health Science phase, students attend 3-4 seminar days per semester online.



### Who should apply?

This programme is suitable for nurses interested in advancing their understanding of research and evidence-based practice methodologies. The programme will provide students with the necessary knowledge and skills to avail of a variety of employment opportunities in the acute and community setting.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 2 or 3 years

**Credits:** 60

**Total fees:** €6000

Advanced Research Skills (M)  
 Healthcare Ethics (M)  
 Quality and Healthcare Management (E)  
 Therapeutic Communication (E)  
 Behaviours that Challenge (E)  
 Autism (E)  
 Eating Disorders in Adults and Adolescents (E)  
 Assessing & Managing Clients Presenting Following Self-Harm (E)  
 Early Intervention for People Who Experience First Episode  
 Psychosis (E)  
 Introduction to Cognitive Behaviour Therapy (E)  
 Fundamentals of Coaching and Healthy Lifestyle Behaviours (E)  
 Historical Perspectives in Disability Studies (E)  
 Principles of Healthcare Leadership (E)

### Master of Health Science

**Duration:** 3 or 4 years

**Credits:** 90

**Total fees:** €9000

Research Dissertation Practicum (M)

(E) = Elective Module.

(M) = Mandatory

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of  
Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

# Palliative and End of Life Care

## Award Options

- **Master of Science**
- **Postgraduate Diploma**
- **Postgraduate Certificate**

This programme is tailored for students from a range of professional disciplines to further develop competencies in the field of palliative and end of life care at an advanced level. Students on the Masters programme undertake an applied research project. This programme also offers standalone modules; this gives students the opportunity to study a module of particular interest without undertaking the full programme.

## Key course details



### Entry Requirements

Applicants require an Honours Degree (H2.2) in any health or social care discipline or recognised cognate professional qualification and a minimum of one year's experience in delivering a palliative care approach within practice within the last two years. Applicants must be employed for the duration of the course in an area where the principles of palliative care are operationalized. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students can expect to allow for 6 hours of study per week.



### Examination & Assessment

In the Postgraduate Diploma phase, most modules are assessed through a broad range of coursework formats. Students also develop a research proposal or an evidence synthesis protocol. In the Master of Health Science in Nursing Studies programme, students undertake a systematic evidence synthesis or a primary research study under supervision.



### External Accrediting Body

NMBI - Nursing and Midwifery Board of Ireland.



### On-Campus Attendance

Attendance is required at the Mayo Campus for workshops over 1.5 days, 4 times in Semester 1 and 4 times in Semester 2. Year 2 is fully online research supervision.



### Who should apply?

This is programme designed for professionals working in areas that cater for people in palliative and/or end of life care. This includes doctors, occupational therapists, physiotherapists, counsellors, social workers, nurses, psychologists, managers and healthcare assistants.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Certificate

**Duration:** 1 semester

**Credits:** 30

**Total fees:** €2400

Principles of Palliative and End of Life Care  
Psychosocial, Ethical and Spiritual Care  
Effective Symptom Management in Life Limiting Conditions (E)  
Reflective Practice (E)  
End of Life Care for the Person with Dementia (E)

### Postgraduate Diploma

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Applied Research  
Bereavement and Loss  
Clinical Practice Placement (for nurses),  
Creative Arts in Palliative Care (E)

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

\*Accommodation for residentials is included in the fees.

Dissertation

(E) = Elective Module.

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

Certificate

# Peer Support Practice

This programme provides students with an education for professional practice in peer support work. Peer Support work involves using your lived experience to be of support to another person who is in need. This work has a recovery focus. The areas of practice include disability/neurodiversity, addiction services, physical health (particularly in dementia care), and mental health/ emotional distress.

## Key course details



### Entry Requirements

The minimum entry requirement is a Level 7 major award in Social Care or cognate discipline and to have demonstrated evidence of integrated peer practice-appropriate experience and knowledge. The latter criterion will be informed by a direct interview and the submission of a portfolio of experience which will include a detailed personal statement.



### Study Hours

Lectures are held throughout the week from Monday to Thursday. It is recommended that students should try to allow for 2 hours per week per 5 credit module to their studies.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those seeking to work as professional Peer Support or Family Peer Support workers in areas of mental and/or physical health practice.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Online

**Level:** 8

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €2000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Understanding Peer Support

Recovery in Mental Health

Contemporary Issues in Mental Health

Electives

Addiction and Care

Critical Perspectives on Neurodiversity

Disability and Care

Peer Support in Dementia Care

Certificate

# Practices in Health Informatics

This programme will provide students with a strong grounding in all areas of healthcare systems delivery, management, audit and evaluation, governance and regulatory principles. Students will also have the data analysis skills necessary to critically appraise areas of process inefficiency and develop alternative frameworks for enhancing outcomes.

## Key course details



### Entry Requirements

Applicants must hold a National Framework of Qualifications Level 5 or equivalent and Recognition of Prior Learning (RPL).



### Study Hours

It is recommended that students should try to allow for 7 hours per week for a 5 credit module.



### Examination & Assessment

This programme is assessed by both a final exams and continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme gives participants the essential skills to attain employment or provide rationale for career progression for those working in the sector and be responsible for maintaining components of health information systems consistent with the medical, administrative, ethical, legal, accreditation, and regulatory requirements of the healthcare delivery system.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 6

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Healthcare Systems

Applied Health Statistics

Fundamentals of Health Economics

Introduction to Health Informatics

Introduction to eHealth

Master of Health Science

# Professional Healthcare Studies

This programme offers students a flexible option to use credits already gained at postgraduate Level 9, to return to study for a MHSc award. This is a multidisciplinary programme suitable for registered nurses and allied health and social care professionals. Students will be allocated a supervisor and will partake in individual and group supervision to develop and undertake their research project.

## Key course details



### Entry Requirements

To be eligible for this program, applicants must have a 60ECTS Postgraduate Diploma at Level 9 in health/disability/social care related studies or equivalent academic credits with an aggregate mark of 60% or above. Additionally, they should have completed a postgraduate Level 9 research module, be registered as a nurse/midwife with the NMBI or on an appropriate allied healthcare professional register, and currently employed in the health/disability or social care delivery sector. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

Students will undertake a systematic evidence synthesis or a primary research study under supervision.



### On-Campus Attendance

Students attend 3-4 online seminar days per semester.



### Who should apply?

This programme is suitable for nurses and other allied healthcare and social care professionals interested in advancing their understanding of research methods, knowledge generation for practice and evidence synthesis and translation. Students will develop knowledge and skills to avail of a variety of employment opportunities in the acute and community setting.

Blended

**Level: 9**
**Credits: 120**
**Duration: 1 year**
**Study Mode:**
**Part-time: Yes**
**Full-time: No**
**Delivery Method:**

Blended

**Campus: St Angelas**
**Total fees: €4750**
**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Research Dissertation  
Practicum

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Master of Science

# Professional Nursing

The programme provides nurses with a broad-based educational experience to practice at an advanced level incorporating key concepts such as advanced decision making, professional leadership, evidence-based practice, professional ethics, research knowledge and skills.

## Key course details



### Entry Requirements

Applicants must be a registered nurse with the Nursing and Midwifery Board of Ireland and hold a BSc (Hons) or equivalent NFQ Level 8 qualification in nursing or cognate discipline at 2nd class honours award level.



### Study Hours

3 lecture days per module. 13 hours self directed learning weekly.



### Examination & Assessment

100% continuous assessment.



### External Accrediting Body

NMBI Accreditation.



### On-Campus Attendance

Attendance is required at the Letterkenny Campus for 3 lecture days per module, with 2 modules delivered per semester.



### Who should apply?

This programme is suitable for qualified, experienced nurses and midwives who wish to develop their knowledge, skills and competencies.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level: 9**
**Credits: 90**
**Duration: 2 years**
**Study Mode:**
**Part-time: Yes**
**Full-time: No**
**Delivery Method:**

Blended

**Campus: Letterkenny**
**Total fees: €10,800**
**Recognition of Prior Learning** ✗

## What will I study?

### Modules

Research Methods for Evidence Based Practice

The Fundamentals of Professional Practice (Nursing)

Leadership and Clinical Decision Making for Advanced Practice

Advanced Practice in Person-centered Integrated Care

Quality and Innovation

Generating Evidence for the Healthcare Setting

# Professional Studies

## Award Options

- **Master of Health Science**
- **Postgraduate Diploma in Science**

The aim of this programme is to facilitate health professionals to develop and augment their knowledge and skills in a manner conducive to the development of their professional practice and become skilled in research and evidence-based practice methodology. The Postgraduate Diploma in Science phase provides a flexible format allowing students to choose from a suite of modules that are relevant to their own clinical and professional practice development. The multi-disciplinary nature of the programme mirrors the current and desired approach to health and social care delivery.

## Key course details



### Entry Requirements

Applicants must be registered as a nurse on the Register held by the Nursing and Midwifery Board of Ireland. Applicants will normally have gained a primary degree (health science/ studies or social science/studies related) Level 8 or evidence of equivalent academic credits. Applicants must also be currently employed in healthcare either in: clinical practice/ management/ research / education. For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

In the Postgraduate Diploma phase, most modules are assessed through a broad range of coursework formats. Students also develop a research proposal or an evidence synthesis protocol. In the Master of Health Science in Professional Studies programme, students undertake a systematic evidence synthesis or a primary research study under supervision.



### External Accrediting Body

NMBI Category 2 Approval.



### On-Campus Attendance

In the Postgraduate Diploma phase, students undertake directed work and attend 2-4 seminar days per module on campus. In the Master of Health Science phase, students attend 3-4 seminar days per semester online.



### Who should apply?

This programme is suitable for allied healthcare professionals or midwives interested in advancing their understanding of research and evidence-based practice methodologies. The programme will provide students with the necessary knowledge and skills to avail of a variety of employment opportunities in the acute and community setting.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 2 or 3 years

**Credits:** 60

**Total fees:** €6000

Advanced Research Skills (M)  
 Healthcare Ethics (M)  
 Quality and Healthcare Management (E)  
 Therapeutic Communication (E)  
 Behaviours that Challenge (E)  
 Autism (E)  
 Eating Disorders in Adults and Adolescents (E)  
 Assessing and Managing Clients Presenting Following Self-Harm (E)  
 Early Intervention for People Who Experience First Episode  
 Psychosis (E)  
 Introduction to Cognitive Behaviour Therapy (E)  
 Fundamentals of Coaching and Healthy Lifestyle Behaviours (E)  
 Historical Perspectives in Disability Studies (E)  
 Principles of Healthcare Leadership (E)

### Master of Health Science

**Duration:** 3 or 4 years

**Credits:** 90

**Total fees:** €9000

Research Dissertation Practicum (M)

(E) = Elective Module.

(M) = Mandatory

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Recognition of  
Prior Learning** ✓

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

ATU Sligo Postgraduate Certificate

# Public Health

The aim of the programme is to equip students to take a population health approach incorporating the overlapping public health domains of health protection, health promotion and improvement, health economics and health service quality and delivery supported by robust health intelligence.

## Key course details



### Entry Requirements

Applications with a 2.2 Honours award in a relevant discipline may apply. Applicants who do not meet this entry criterion may be considered through Recognition of Prior Learning (RPL).



### Study Hours

There are 3 hours of live lectures delivered each week per semester. It is recommended that students should try to allow for 12-15 hours per week to their studies.



### Examination & Assessment

This programme is 100% continuous assessment. The assessment involves projects, essays, case studies and both individual and group work.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those who have a role to promote and protect health, or those who would like to enter such a role. The programme is suitable for those who are working both within all areas of health and social care sector - and those working outside of health services including local authorities and industry.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Mary Tully: [Mary.Tully@atu.ie](mailto:Mary.Tully@atu.ie)

Online

**Level:** 9

**Credits:** 30

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2100

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Principles of Public Health

Practice

Epidemiology

Quality Improvement in Healthcare

Health Protection





# Quality and Safety in Healthcare

## Award Options

- **Master of Science**
- **Postgraduate Diploma (Quality and Safety (Health and Social Care))**

This programme equips students with skills such as critical thinking and critical analysis of evidence-based practice that promotes a high-performance culture of reflecting the evolving nature and demands of contemporary health and social care delivery. Graduates of this programme have developed critical understanding of developing and sustaining quality and safe care as relevant to their own professional area.

## Key course details



### Entry Requirements

Applicants require an Honours Degree (H2.2) in any health or social care discipline or recognised cognate professional qualification and 1 year full-time relevant work experience which must be in the last five years.



### Study Hours

It is recommended that students allow up to 10 hours per week per 10 credit module for studies.



### Examination & Assessment

A feature of the programme is the strong focus on 'practice' element for the purposes of skills development and assessment. Many of the assessments are applied in nature and are designed to encourage the learner to reflect on their personal professional practice and or organisation and apply their learning to real-time situations.



### On-Campus Attendance

In Year 1, there are a total of 16 days on-site at the Mayo Campus across the academic year (eight 2-day sessions; four in Semester 1 and four in Semester 2). These residential days are typically on Thursday afternoons and all day on Fridays. In Year 2, students undertake a dissertation. Students are allocated a supervisor for the academic year. Supervision meetings dates are agreed by the student and the supervisor and may be held in person or virtually.



### Who should apply?

This programme has been designed for people working across health and social care organisations in administrative and or practitioner roles, who want to expand their skills and qualifications. Graduates will particularly benefit in pursuing a career path in quality management, audit, compliance, general management, governance, and person safety roles.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma (Quality and Safety (Health and Social Care))

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Governance & Compliance for Quality  
Safer Systems  
Quality & Innovation  
Person Safety  
Critical Thinking & Decision Making  
Applied Research

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

\* Residential accommodation is included in the fees.

Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

# Quality and Safety in Social Care

## Award Options

- **Master of Science**
- **Postgraduate Diploma (Quality and Safety (Health and Social Care))**

This programme equips students with skills such as critical thinking and critical analysis of evidence-based practice that promotes a high-performance culture of reflecting the evolving nature and demands of contemporary health and social care delivery. Graduates of this programme have developed critical understanding of developing and sustaining quality and safe care as relevant to their own professional area.

## Key course details



### Entry Requirements

Applicants require an Honours Degree (H2.2) in any health or social care discipline or recognised cognate professional qualification and 1 year full-time relevant work experience which must be in the last five years.



### Study Hours

It is recommended that students allow up to 10 hours per week per 10 credit module for studies.



### Examination & Assessment

A feature of the programme is the strong focus on 'practice' element for the purposes of skills development and assessment. Many of the assessments are applied in nature and are designed to encourage the learner to reflect on their personal professional practice and or organisation and apply their learning to real-time situations.



### On-Campus Attendance

In Year 1, there are a total of 16 days on-site at the Mayo Campus across the academic year (eight 2-day sessions; four in Semester 1 and four in Semester 2). These residential days are typically on Thursday afternoons and all day on Fridays. In Year 2, students undertake a dissertation. Students are allocated a supervisor for the academic year. Supervision meetings dates are agreed by the student and the supervisor and may be held in person or virtually.



### Who should apply?

This programme has been designed for people working across health and social care organisations in administrative and or practitioner roles, who want to expand their skills and qualifications. Graduates will particularly benefit in pursuing a career path in quality management, audit, compliance, general management, governance, and person safety roles.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma (Quality and Safety (Health and Social Care))

**Duration:** 1 year

**Credits:** 60

**Total fees:** €4800

Governance & Compliance for Quality  
Safer Systems  
Quality & Innovation  
Person Safety  
Critical Thinking & Decision Making  
Applied Research

### Master of Science

**Duration:** 2 years

**Credits:** 90

**Total fees:** €7200

Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Recognition of Prior Learning** ✓

## Course Contacts

**Admissions:**

learn.galwaymayo@atu.ie

ATU Donegal

# Therapeutic Interventions for Alcohol and Other Drugs

## Award Options

- **Master of Science**
- **Postgraduate Diploma**

This programme aims to provide those working in the areas of nursing, health and social care with the skills and knowledge necessary to effectively deal with drugs and alcohol issues. The programme plays a key role in empowering a workforce to respond to and provide systemic alcohol and other drug interventions within a four-tier model of treatment and care.

## Key course details



### Entry Requirements

The minimum entry requirements are a Level 8 Honours degree in a relevant discipline such as Health and Social Care, Nursing, Social Work, Youth Work, Psychology, Medicine etc. Applicants may be required to undertake an interview. Applicants who do not hold the above entry requirements may be considered using the ATU RPL process.



### Study Hours

Part-time: 3 lecture days per module. 13 hours self directed learning weekly. Full-time: 4 lecture hours per module weekly. 13 hours self directed learning weekly.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Each academic year requires attendance for 6 Fridays per semester. Students are also required to complete additional blended learning activities via the Virtual Learning Environment.



### Who should apply?

This programme is suitable for those working in the areas of nursing, health and social care seeking the knowledge to effectively deal with drugs and alcohol issues.

## Progression Pathways

Many of our Masters programmes are structured in a way that includes recognised entry and exit awards. This means that you can apply for part of Masters first and learn at your own pace or if you are unable to complete the full programme, you can still gain a recognised qualification. Our entry and exit awards typically include Postgraduate Certificate award and a Postgraduate Diploma award.

## What will I study?

### Postgraduate Diploma

**Duration:** 1 or 2 years

**Credits:** 60

**Total fees:** €4200

Advanced Research Methods  
Theoretical Foundations in Alcohol & Other Drugs  
Alcohol & Other Drug Use: Interventions Practice & Skills 1  
Children & Families: Hidden Harm  
Alcohol Drugs and mental Health: Recovery Approaches  
Alcohol and Other Drugs Use: Interventions Practice & Skills 2

### Master of Science

**Duration:** 1 or 2 years

**Credits:** 90

**Total fees:** €6300

Research Dissertation

Blended

**Level:** 9

**Study Mode:**

**Part-time:** Yes

**Full-time:** Yes

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Recognition of Prior Learning** ✓

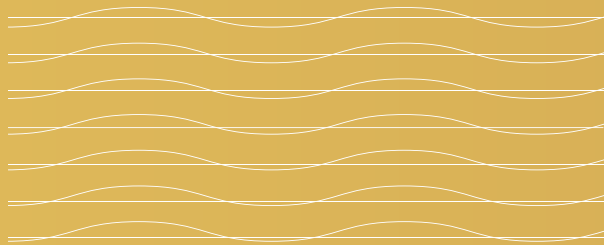
## Course Contacts

**Admissions:**

admissions.donegal@atu.ie



# Micro-Credentials



Certificate

# Digital Strategy for Business

This 10-credit certificate comprises a series of masterclasses from specialists in the fields of digital media strategy, digital enterprise, digital communications and marketing. It aims to provide participants with cutting edge knowledge and techniques for practical implementation of digital media and digital transformation strategies in their working and professional environments.

## Key course details



### Entry Requirements

Entry requirement is a Level 8 Bachelor (Honours) degree with minimum grade classification of H2.2 or equivalent in Marketing, IT/Computing, Science, Business, Graphic Design, Communications, or cognate area.



### Study Hours

Students complete the full 10 credits in 1 semester with 6 hours per week.



### Examination & Assessment

100% continuous assessment with a variety of instruments. In order for the certificate to issue to validate the learning in this programme, a summative online evaluation will take place via multiple choice questionnaires tailored to each of the sections of the programme module. In addition, a presentation will be made at a mini-conference during the final stages of delivery of this module.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is aimed at those involved at mid and senior levels of enterprise and industry, so that they can be involved in debates around current trends in technology related to digital entrepreneurship, innovative technologies, and enterprise development.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

Online

**Level:** 9

**Credits:** 10

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Galway City

**Total fees:** €950

This is an HCl Pillar 3 Course with Additional Places via Higher EducationE 4.0

## What will I study?

### Modules

Digital Strategy Masterclass for Business

Blended

**Level:** 7

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Financial and Economic Environment

Certificate

# Financial and Economic Environment

This is a single-module programme covering elements of accounting and economics. The aim of this module is to provide students with an overview of the financial and economic context within which organisations operate. It will afford students the opportunity to appreciate the central role of the financial function in an organisation. It will also offer students an insight into the importance to the organisation of the economic environment.

## Key course details



### Entry Requirements

The minimum Leaving Certificate entry requirement is Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points. A pass in any QQI FET Major award at Level 5 or 6 will meet the minimum entry requirement for this programme. International students holding cognate qualifications at the appropriate level will be considered for entry. Mature applicants are welcome and encouraged to apply. For further details on entry requirements for mature applicants, please see the course webpage. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme or gain exemptions.



### Study Hours

Students are encouraged to engage in study time outside the time-tabled delivery of the course.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

The course is delivered in 'block delivery' mode over approximately two-days per month (Thursdays and Fridays) at the ATU Mayo Campus and online.



### Who should apply?

Suitable for applicants who wish to gain an insight in relation to how finance and economics operates within an organisation.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Certificate

# Management for Supervisors

In this single-module programme, students will examine and apply management theory and develop a range of practical work-based skills, which are needed to perform effectively as a supervisor in a variety of organisational contexts. There is a strong emphasis on effective leadership, teamwork, communication and motivating oneself and others to achieve goals.

## Key course details



### Entry Requirements

For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

It is recommended that you should try to allocate time outside work and programme studies to study for each of your modules on the programme.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Students will attend classroom-based learning for one/two days per month throughout the academic year (nine / ten blocks in total). These in-class block classes take place on a Thursday and a Friday. Normally, recordings and study material will be uploaded for online learning between in-classroom dates.



### Who should apply?

The course addresses the needs of people who either hope to enter a supervisory position or who are already in the role and wish to improve their management skills and progress their careers.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €750

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Management for Supervisors

Certificate

# Managing Operations

This one-module programme examines the design and management of processes involved in the production and delivery of products and/or services. Operations is at the core of every business. This module aims to address the activities of designing and managing different processes to produce and deliver products and/or services. It examines various strategies and concepts used in industrial sectors to transform raw materials/components/skills into products and services.

## Key course details



### Entry Requirements

The minimum Leaving Certificate entry requirement is Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points. A pass in any QQI FET Major award at Level 5 or 6 will meet the minimum entry requirement for this programme. International students holding cognate qualifications at the appropriate level will be considered for entry. Mature applicants are welcome and encouraged to apply. For further details on entry requirements for mature applicants, please see the course webpage. They may be invited for interview for the course.



### Study Hours

Lectures normally take place between 9.00am and 6.00pm on the Thursday and Friday of the scheduled block classes throughout the academic year. It is recommended that you should try to allocate time outside work and programme studies to study for each of your modules on the programme.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

This course involves approximately 2 days per month attendance at the ATU Mayo Campus in addition to online engagement delivery.



### Who should apply?

Suitable to those seeking career progression in the area of Supervisory Management - particularly those who wish to gain a better knowledge and understanding of the nature and role of operations in a variety of product and service organisations.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €750

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Managing Operations

Certificate

# Managing Services

This programme examines the nature of services and develops an approach to managing and delivering service that focuses on service processes and design, managing the public interface and improving service quality. The approach will take account of different contexts in the private and public sector, encouraging students to apply their learning to their professional context. Studying this course gives students the necessary education and insights to the management of a service - with a very practical and applied focus.

## Key course details



### Entry Requirements

For full details on the Entry Requirements for this programme please see the course webpage.



### Study Hours

Students are encouraged to engage in study time outside the timetabled delivery of the course.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Students will attend classroom-based learning at the ATU Mayo Campus for two days per month throughout the academic year. This will also include learning through online engagement.



### Who should apply?

This module is aimed at individuals working in a service environment in the public or private sector, or those who aspire to a career in service management.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €750

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Managing Services

Certificate

# Entrepreneurial Innovation Practice

This Level 7 Special Purpose Award responds to the needs of industry and will provide a route for graduates who wish to further enhance their professional standing. The programme will enhance the entrepreneurial and agile mindset which is vital for employees and entrepreneurs in the current dynamic external environment. Entrepreneurial and innovative skills are vital for organisations in the border region, and across Ireland, to help mitigate against the threat of Brexit.

## Key course details



### Entry Requirements

5 O6/H7 grades in the Leaving Certificate, to include Mathematics (F2/O6/H7) and either Irish or English (O6/H7), OR QQIFET Level 5, OR equivalent qualification. Candidates who do not meet the above entry requirements may be admitted to the programme on the grounds of mature years (over 23 by 1st January in the proposed year of entry) if they have attained appropriate experience and attainment thresholds deemed equivalent.



### Study Hours

The recommended level of personal study time for a Level 7, 10-credit module is 10-12 hours per week.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This short programme is aimed at anyone interested in innovation and enterprise in the business sector. It is ideal for those who are looking to develop their transferrable skills for the workplace, and who want to bring value to an existing organisation. It will be practically oriented with a specific emphasis on work-based learning and the development of transversal skills which greatly enhance employability and productivity in the workplace.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

Online

**Level:** 7

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €500

**Recognition of Prior Learning** X

## What will I study?

### Modules

Entrepreneurial Innovation Practice

Certificate

# Law and Human Resource Management

This single-module programme will introduce learners to the fundamental principles of law and human resource management. The module will familiarise students with the sources of law and will illustrate how law provides the legal framework for the business environment. The module will also familiarise learners with the fundamentals of Human Resource Management.

## Key course details



### Entry Requirements

The minimum Leaving Certificate entry requirement is Grade O6/H7 or better in five Leaving Certificate subjects including Mathematics and English or Irish with a minimum of 160 points. A pass in any QQI FET Major award at Level 5 or 6 will meet the minimum entry requirement for this programme. International students holding cognate qualifications at the appropriate level will be considered for entry. Mature applicants are welcome and encouraged to apply. For further details on entry requirements for mature applicants, please see the course webpage. Recognition of Prior Learning (RPL) can be used as a means to gain entry to the programme or gain exemptions.



### Study Hours

It is recommended that you should try to allocate time outside work and programme studies to study for each of your modules on the programme.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

This course involves approximately 2 days per month attendance at the ATU Mayo Campus in addition to online delivery. Normally, recordings and study material will be uploaded for online learning between in-classroom dates.



### Who should apply?

Suitable to those seeking career progression in a career that involves a combination of legal and HR-related responsibilities.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 7

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Law and Human Resource Management

Certificate

# Licensing Law and Practice

This single-module programme aims to upskill those employed in a variety of statutory, voluntary and legal organisations who require an up to date knowledge of the legislation, current caselaw and courtroom practice. This is a practical programme, whereby learners are encouraged to apply their developing knowledge, skills and competencies through experiential learning based on interactive role-plays and the assessment.

## Key course details



### Entry Requirements

Applicants must be either members of An Garda Síochána, staff of Drug and Alcohol Task Forces &/or community action on alcohol groups.



### Study Hours

10-12 independent learning hours per week are recommended for a 10-credit module.



### Examination & Assessment

100% continuous assessment in the form of a report.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

Alcohol Forum Ireland.



### Who should apply?

This programme has been developed to equip members of An Garda Síochána, staff of Drug and Alcohol Task Forces &/or community action on alcohol groups with knowledge of relevant licensing law and practice as well as contemporary issues such as online and distance sales which can be applied in the context of their job roles or voluntary work.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Online

**Level:** 7

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €500

**Recognition of Prior Learning** ✗

## What will I study?

### Modules

Cert in Licensing Law & Practice



Certificate

# Logistics and Marketing

This course will demonstrate to learners the importance of using the tools of logistics and marketing in relation to reaching markets faster, particularly in the context of the post COVID-19 pandemic, Brexit etc.

## Key course details



### Entry Requirements

Applicants must have completed a Level 6 qualification business programme or equivalent.



### Study Hours

Induction day (online) - approximately 7 hours. Online classes - two days per week; approximately 6 hours per week. It is recommended that you should try to allocate time outside work and programme studies to study for each of your modules on the programme.



### Examination & Assessment

100% continuous assessment.



### On-Campus Attendance

Two days compulsory on-site experiential workshops at the ATU Mayo Campus. This blended approach will be delivered by ATU Mayo, ATU Sligo and ATU Letterkenny.



### Who should apply?

Suitable for those seeking career progression in the areas of logistics and marketing - particularly those looking to get a greater understanding of how to apply logistic and marketing tools in practice to industry.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 7

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo/Donegal/  
Sligo

**Total fees:** €400

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Logistics and Marketing

Certificate

# Fashion Fundamentals

The programme covers topics such as Irish fashion, fashion history, technical design, sustainable fashion, illustration, retail buying, store planning and much more. With Donegal once being a leading hub of tweed manufacturing, this course aims to showcase the potential the students have within the county, the country and the international market. Students of all ages, backgrounds and ability work together on projects that showcase them individually and as a team.

## Key course details



### Entry Requirements

This programme is a hands-on, studio-based course that requires no previous artistic experience. However, enthusiasm and passion for fashion are a must. Basic computer skills are also required.



### Study Hours

7 hours.



### Examination & Assessment

Portfolio of work.



### On-Campus Attendance

Mandatory attendance at workshops and lectures.



### Who should apply?

This programme will appeal to all those interested in fashion and style and who have a desire to learn the basics of the fashion industry.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

On-Campus

**Level:** 6

**Credits:** 10

**Duration:** 13 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-campus

**Campus:** Letterkenny

**Total fees:** €350

**Recognition of  
Prior Learning** X

## What will I study?

### Modules

Foundations in Fashion 1: Design & Merchandising

Foundations in Fashion 2: The Sustainable Past

Standalone Module

# Autism (Education)

This single module in Autism aims to develop knowledge, skills and understanding in relation to effective teaching of learners with Autism and the theories that consolidate the implementation of a learner-centred philosophy which employs a combined-skills approach to meeting the needs of learners with Autism.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Autism

Standalone Module

# Behaviours that Challenge (Education)

This single-module in Behaviours that Challenge will enable participants to acquire a thorough professional knowledge and understanding of behaviours that challenge, including theoretical and conceptual dimensions and to equip them with the necessary knowledge, skills and competencies to be effective in supporting the education of those with behaviours that challenge/behaviours of concern in various contexts. Participants will be enabled to develop a holistic and systemic approach to meeting the needs of individuals with behaviours that challenge.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

This module is delivered through online blended learning. Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This module includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Behaviours that Challenge

Standalone Module

# Educational Research Methods

This module will focus on developing initial research knowledge and skills. The module will provide the participant with an overview of research, knowledge of data collection methods as well as an understanding of approaches to data analysis. The concept of research will be explored and consideration will be given to quantitative, qualitative and mixed methods of research.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** admissions.stangelas@atu.ie

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Educational Research Methods

Standalone Module

# General Learning Disabilities

This single module in General Learning Disabilities aims to develop knowledge and understanding of General Learning Disabilities and the implications for teaching and learning. Understandings of General Learning Disabilities are presented and explored in the context of current educational policy and legislation. Participants are introduced to a broad range of approaches designed to facilitate the inclusion of learners with General Learning Disabilities across all educational settings.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

This module is delivered through online blended learning. Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This module includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** admissions.stangelas@atu.ie

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

General Learning Disabilities

Standalone Module

# Inclusion for Learning

This single module in Inclusion for Learning aims to equip the participant with a knowledge and understanding of the development of inclusion, nationally and internationally, considering current legislation, policy and practice. The participant will critically analyse the concept of inclusion with emphasis on theories and models of good practice and examine the concept of inclusion in the context of professional practice. The participant will demonstrate the skills, understanding and attitudes of the 'reflective practitioner' and will be able to critically appraise the role of advisor, consultant and manager of the learning environment.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Inclusion for Learning

Standalone Module

# Literacy

This single module in Literacy will focus on developing an in-depth understanding of the concept of literacy. It will provide the participant with an overview of literacy, focusing in particular on the areas of reading and writing. It will also enable the participant to develop an understanding and knowledge of assessment procedures with regard to literacy and to critically appraise strategies and approaches to developing literacy.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

This module is delivered through online blended learning. Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This module includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Literacy

## Standalone Module Numeracy

This single module in Numeracy aims to provide a thorough understanding of the concept of numeracy. It will enable the participant to have an in-depth knowledge of assessment procedures with regard to numeracy, and to critically appraise appropriate teaching and learning numeracy strategies and approaches. In addition, it will enable the participant to critically appraise the implications of numeracy in the development of a broad and balanced curriculum, to demonstrate a knowledge and understanding of adaptive reasoning and to critically reflect on factors which influence productive disposition with regard to numeracy.

### Key course details



#### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



#### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



#### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



#### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face-to-face.



#### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

### Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

## Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Numeracy

## Certificate

# Recognition of Prior Learning

This single-module programme is suitable for education practitioners. This module provides participants with a deep understanding of the policies and procedures associated with the process of Recognition of Prior Learning (RPL). It will provide participants with an appreciation of the complexities associated with the management of RPL in Further and Higher Education Institutions.

### Key course details



#### Entry Requirements

Applicants require second class honours grade (2.2) in a Level 8 Honours degree in any discipline, or equivalent. Candidates should also be working in an area relevant to the programme where RPL is used.



#### Study Hours

The recommended level of independent learning for the 10-credit module is 10-12 hours per week.



#### Examination & Assessment

Presentation or project portfolio based.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This module is aimed at developing lecturers, and other potential assessors, with the knowledge and competencies to enable them to become effective assessors of RPL candidates.

### Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## Online

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Online

**Campus:** Letterkenny

**Total fees:** €800

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Recognition of Prior Learning

Certificate

# Special Educational Needs for Special Needs Assistants

This programme is offered at pre-undergraduate level nationally for those currently working as Special Needs Assistants in primary, post-primary and specialist settings and those who are interested in a position as a Special Needs Assistant but not currently working in the area. This part-time Certificate is Department of Education (DE) recognised, at Level 7 under the National Framework of Qualifications (NFQ) - Quality and Qualifications Ireland (QQI) and is university accredited.

## Key course details



### Entry Requirements

Applicants should have an interest in special education. Priority will be given to applicants working in schools as Special Needs Assistants.



### Study Hours

Three online tutorials are delivered over the course duration, as well as 3 hours of weekly pre-recorded lectures. It is recommended that students should try to allow for 3 hours approximately per week to their studies.



### Examination & Assessment

Assessment is continuous, with each of the three modules being assessed independently through an assignment or equivalent.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is suitable for those currently working as, or those interested in working as, a Special Needs Assistant. It is also of benefit to those who are interested in working in/already working in the early childhood sector, other educational settings, or working as a personal assistant/carer.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Online

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** St Angelas

**Total fees:** €800

**Recognition of Prior Learning** X

## What will I study?

### Modules

The Role of the SNA

Students with Special Educational Needs

Social and Curricular Inclusion for Students with SEN - A Whole School Approach

Standalone Module

# Specific Learning Difficulties 1

The Specific Learning Difficulties 1 module aims to develop an awareness of the theory relating to SLD in the area of communication, speech and language difficulties and dyslexia, and to become knowledgeable of appropriate assessment, teaching and learning pedagogies in the provision of inclusive education for learners with SLDs.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face to face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Specific Learning Difficulties 1 - Communication, Speech and Language Difficulties and Dyslexia

Standalone Module

# Specific Learning Difficulties 2

The Specific Learning Difficulties 2 module aims to develop an awareness of the theory relating to SLD in the area of Dyscalculia, Attention Deficit/Hyperactivity Disorder and Dyspraxia/Developmental Coordination Disorder, and to become knowledgeable of appropriate assessment, teaching and learning pedagogies in the provision of inclusive education for learners with SLDs.

## Key course details



### Entry Requirements

Applicants require a Level 8 Undergraduate degree or equivalent.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face to face.



### Who should apply?

This module is suitable for a wide variety of participants including teachers, graduates, qualified teachers seeking employment, HSE employees, principals, managers, inspectors, and others in the education sector, including psychologists, tutors, occupational therapists, and caregivers and family members of learners with special educational needs.

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Specific Learning Difficulties 2 - Dyscalculia, Attention Deficit/Hyperactivity Disorder and Dyspraxia/Developmental Coordination Disorder

Standalone Module

# Assessing and Managing Clients Presenting Following Self-harm

The aim of this module is to enhance knowledge and understanding of deliberate self-harm (DSH) and relevance of all other types of suicidal behaviour and thoughts. It is well recognised that it is difficult for people who engage in DSH, but it is also vital to note that those who engage in DSH are considered at higher risk of eventual completed suicide. Therefore, this module considers how best to support these individuals and their family members, from the perspectives of clinical care, guideline developments, protocol and policy developments.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment in the form of a 3000 word assignment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend one seminar day on campus in January and two in February.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Assessing and Managing Clients Presenting Following Self-harm

## Course Contacts

**Admissions:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Standalone Module

# Autism

This module aims to develop knowledge, skills and understanding in relation to effective teaching of learners with autism and the theories that consolidate the implementation of a learner-centred philosophy which employs a combined-skills approach to meeting the needs of learners with ASD.

## Key course details



### Entry Requirements

Applicants must: Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **AND**

Be currently employed in healthcare either in: clinical or social care practice/management/ research /education.

Some modules may only be undertaken while working in a specific discipline related area such as nursing. This is specified in modules descriptions. Applicants will normally have gained a primary degree (health science/studies or social science/studies related) level 8 or evidence of equivalent academic credits.



### Study Hours

Each 15-credit module holds a total student effort of 300 hours. Total student effort comprises contact hours, tutor directed study and independent study.



### Examination & Assessment

This modular blended learning programme includes e-tivities, discussion boards, some face-to-face workshops and a written assignment.



### On-Campus Attendance

The module will include a one-day workshop which may be delivered online or face to face.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

## Course Contacts

**Admissions:** admissions.stangelas@atu.ie

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Autism

Certificate

# Applied Fire Safety Management

This course aims to promote the practice of good fire safety management as a vital tool in the overall fire safety strategy of building management. The assessment introduces learners to legislative obligations and maintenance programmes as part of this strategy.

## Key course details



### Entry Requirements

Applicants require a Level 6 (NFQ) or equivalent by recognition of prior learning (RPL) for mature learners. Experience of facilities management or maintenance is desirable.



### Study Hours

The course is offered entirely online over a 3 day lecture block with 6 weekly follow up tutorials and assessment.



### Examination & Assessment

Teaching and assessment methodologies will be by block online learning combined with online support and assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme is suitable for those seeking the skills and qualification to fulfil their legal obligations as Fire Safety Manager within their own organisation.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

**Student Advisor:** Tricia Fitzpatrick: tricia.fitzpatrick@atu.ie

Online

**Level:** 7

**Credits:** 10

**Duration:** 8 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Letterkenny

**Total fees:** €650  
30% funding available to the Irish Private Construction Sector and Sole Traders

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Applied Fire Safety Management



Certificate

# Construction Law, Procurement and Finance

This programme provides students with an overview and understanding of the construction procurement processes and commercial risk management relating to construction contract law and finance risk management. The course aims to provide participants with the skills and practical experience to plan and manage these key risks within the construction sector.

## Key course details



### Entry Requirements

Candidates will be expected to hold a minimum Level 8 qualification in a relevant discipline or equivalent. As this programme caters for all professions, any Level 8 qualification will be considered.



### Study Hours

One-hour live lecture per module and four to five hours self-directed learning per module.



### Examination & Assessment

Each of the three modules have final exams, which is 50% or 60% of the grade for the modules. The remaining percentage grade is made up of continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

As the construction industry and project delivery become ever more complex, awareness of the key commercial risk is a must. This course is ideal for recently qualified graduates within the construction industry as well as experienced professionals looking to upskill to meet the coming challenges.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

Online

**Level:** 9

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2250

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Construction Contract

Contract and Procurement

Construction Economics and Finance

Certificate

# Energy Conservation and Environmental Services

The programme aims to afford advanced experience and training to fulfil, in part, the onerous and challenging roles, duties and responsibilities associated with a limited range of Built Environment Regulations in the Irish construction industry.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent, in an appropriate Built Environment undergraduate programme or equivalent. Candidates who do not meet the H2.2 performance standard in a Level 8 award will be required to pass a qualifying assignment at an H2.2 performance standard as established by the Programme Board for the programme in question and as approved by the Registrar.



### Study Hours

4 hours per week in Semester 1. 2 hours per week in Semester 2.



### Examination & Assessment

All modules are 100% continuous assessment consisting of online exams, online quizzes, and project work, either in groups or completed individually



### On-Campus Attendance

Tutorials, project work, and some assessments will be conducted one Saturday each semester.



### External Accrediting Body

Chartered Association of Building Engineers (CABE).



### Who should apply?

This programme is designed for a multidisciplinary cohort across the built environment disciplines such as Architecture, Engineering, Building Surveying, Architectural Technology, and Construction Management, among others. The programme aims to address current building regulation requirements for nearly zero energy buildings and retrofit of existing housing stock. This is an area of upskilling which is in demand in the construction industry

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1000  
DASBE students pay €375

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Energy Conservation

Services

Certificate

# Financial and Building Energy Management

This programme will serve to upskill professionals in the construction industry in the areas of financial and building energy management.

## Key course details



### Entry Requirements

Standard Level 7 (NFQ) entry requirements apply. A Level 7 (Ordinary degree) in a construction/engineering discipline or equivalent. A knowledge of construction technology and services with a background in facilities management or construction economics is desirable.



### Study Hours

8 hours per week.



### Examination & Assessment

This programme is assessed using a mixture of continuous assessment and final examinations..



### On-Campus Attendance

One afternoon or morning per week for two semesters.



### Who should apply?

This programme will serve to upskill professionals in the construction industry.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## On-Campus

**Level:** 8

**Credits:** 10

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €450

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Building Energy Management

Financial Information & Decision

Making in Construction

Certificate

# Fire Safety

The programme aims to afford advanced experience and training to fulfil, in part, the onerous and challenging roles, duties and responsibilities associated with a limited range of Built Environment Regulations in the Irish Construction Industry.

## Key course details



### Entry Requirements

Candidates must hold a cognate Level 8 Bachelor (Hons) degree with a minimum grade classification of H2.2 or equivalent, in an appropriate Built Environment undergraduate programme or equivalent. Candidates who do not meet the H2.2 performance standard in a Level 8 award will be required to pass a qualifying assignment at an H2.2 performance standard as established by the Programme Board for the programme in question and as approved by the Registrar.



### Study Hours

2 hours per week in Semester 1. 4 hours per week in Semester 2.



### Examination & Assessment

All modules are 100% CA consisting of online exams, online quizzes, and project work, either in groups or completed individually.



### On-Campus Attendance

Tutorials, project work, and some assessments will be conducted one Saturday each semester.



### External Accrediting Body

Chartered Association of Building Engineers (CABE).



### Who should apply?

This certificate is designed for a multidisciplinary cohort across the built environment disciplines such as Architecture, Engineering, Building Surveying, Architectural Technology, and Construction Management, among others. The programme is designed to meet the postgraduate and continuing professional development needs of these disciplines, to develop competence in the specialist area of Fire Safety by facilitating knowledge gained through training and applied experience.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

## Blended

**Level:** 9

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Galway City

**Total fees:** €1000  
DASBE students pay €375

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Fire Safety (Part B Dwelling Houses)

Fire Safety (Part B Buildings Other than Dwelling Houses, and FSC)

Certificate

# Introductory Construction Economics and Land Surveying

The main aim of this course is to give learners an introduction to the twin areas of construction measurement and construction economics as well as a basic training in land surveying & GIS (Geographical Information Systems).

## Key course details



### Entry Requirements

Leaving Certificate:

Minimum Five O6/H7

Maths O6/H7

English or Irish O6/H7



### Study Hours

8 hours per week.



### Examination & Assessment

This programme is assessed through a mix of continuous assessment and final examinations.



### On-Campus Attendance

One afternoon or morning a week for two semesters.



### Who should apply?

This programme will serve to upskill professionals in the construction industry.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## On-Campus

**Level:** 6

**Credits:** 10

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €350

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Measurement & Construction  
Economics

Land Surveying & GIS

Certificate

# Project Management

This programme provides students with a broad skills base for a profession in Project Management by both academic learning and practical experience. The course has been customised to meet the exact needs of clients in various sectors, through the delivery of core principles of Project Management. The role of the Project Manager is in high demand as both public and private clients are pursuing the agenda of obtaining value for money and successful project delivery by seeking Project Managers with a formal qualification in Project Management.

## Key course details



### Entry Requirements

Candidates will be expected to hold a minimum second-class honours degree Level 8 qualification in a relevant discipline or equivalent. As this programme caters for all professions, any Level 8 qualification will be considered.



### Study Hours

For part-time online or blended learning, it is recommended that you should try to allow for 5-6 hours per week per 5-credit module to your studies.



### Examination & Assessment

Two modules have final exams and the third module is 100% continuous assessment.



### On-Campus Attendance

No attendance required.



### Who should apply?

This programme designed for graduates or professionals who are interested in developing their skills and competencies in project management.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

## Online

**Level:** 9

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2250

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Project Planning

Project Implementation

Project Management Simulation

Certificate

# Renewable Energy and Physics Fundamentals

This course raises interest and awareness of the key issues in energy systems, introducing learners to the major concerns arising from environmental effects and depletion of carbon based energy sources.

## Key course details



### Entry Requirements

A working knowledge of Leaving Certificate maths and physics is desirable.



### Study Hours

4 hours of live lectures per week.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final examinations.



### On-Campus Attendance

One afternoon or morning a week for two semesters. 4 hours of live lectures per week.

## Course Contacts

**Admissions:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

## On-Campus

**Level:** 6

**Credits:** 10

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

On-Campus

**Campus:** Letterkenny

**Total fees:** €350

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Physics 1

Renewable Energy Resources

Certificate

# Road Safety Audit and Engineering

This programme will provide students with the necessary knowledge and skills to conduct road safety audits and develop road safety engineering interventions and to meet the academic qualification requirements of the EU Directive on Road Infrastructure Safety Management. The programme was developed in conjunction with our state industry partners, Transport Infrastructure Ireland (TII).

## Key course details



### Entry Requirements

Applicants require a BEng Honours degree (Level 8) in Civil Engineering or a related discipline or equivalent.



### Study Hours

It is recommended that students should try to allow for 5-6 hours per week per 5-credit module to their studies.



### Examination & Assessment

This programme is assessed through a mixture of continuous assessment and final exams.



### On-Campus Attendance

Compulsory workshops occur once per semester and are delivered on-campus at ATU Sligo or other suitable locations by subject matter experts, and will include supervised site visits of road schemes for the demonstration and participation on a group basis of current road safety audit and engineering procedures, collision investigation and analysis and procedural reporting techniques.



### Who should apply?

This programme is suitable for Civil Engineering professionals working, or intending to work, in the road engineering sector to develop appropriate professional road safety auditing and road safety engineering skills and learning.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Student Advisor:** Sallyanne Downes: [Sallyanne.Downes@atu.ie](mailto:Sallyanne.Downes@atu.ie)

## Online

**Level:** 9

**Credits:** 15

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Principles of Road Safety Engineering and Audit

Road Safety Projects

Certificate

# Computer Aided Design (CAD) - Parametric Modelling

Three-dimensional parametric modelling is becoming an increasingly desirable skill for professionals or anyone who wants to work in a wide range of CAD industries. Parametric modelling is a software tool used in all stages of the design process, from concept to the completion of manufacturing drawing and/or photorealistic images.

## Key course details



### Entry Requirements

The minimum Leaving Certificate requirements necessary for entry onto the programme are: A grade O6/H7 or better in five Leaving Certificate subjects, including Mathematics and English or Irish, with a minimum of 160 points. In addition to these requirements, the learner should be keenly interested in Technical Graphics and/or be familiar with a two-dimensional CAD package, and have good ICT skills - as the programme is delivered blended.



### Study Hours

Students can expect 4.5 hours per week of academic tuition, with an envisaged self directed workload of 3 hours per week.



### Examination & Assessment

The modules of the programmes will be predominately assessed via individual and collaborative projects and continuous assessment.



### On-Campus Attendance

The two modules which constitute the programme will be delivered sequentially over the academic year equating to 4.5 hours of weekly tuition. A minimum of 3 of the 4.5 weekly hours will be delivered onsite and 1.5 hours will be delivered synchronous in either the CAD or Additive manufacturing labs.



### Who should apply?

This programme will allow graduates to gain employment as CAD technicians, and allow other professionals to up-skill in Parametric modelling. In addition, graduates of the programme may be inspired to take up engineering apprenticeships or even technical degrees.

Blended

Level: 6

Credits: 15

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

**Delivery Method:**  
Blended

Campus: Galway City

Total fees: €1200

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Computer Aided Design I

Computer Aided Design II

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie

Certificate

# Lean and OpEx (Yellow Belt)

This is Ireland's largest accredited online Lean & Operational Excellence (OpEx) course. The Lean & OpEx Yellow Belt certificate course is primarily aimed at those working in a modern manufacturing or service environment who wish to expand their knowledge in the principles of Lean methodologies and Operational Excellence tools. Participants on this course are also given free access to Minitab Workspace software during their course of study - this contains powerful visual tools, process maps, brainstorming diagrams and forms in one intuitive interface that will be utilised throughout the course.

## Key course details



### Entry Requirements

Applicants should have two years relevant work experience and are expected to have passed the Leaving Certificate (Ordinary Level) or equivalent in Maths due to the statistics covered in the course syllabus.



### Study Hours

Students should expect to attend 1-1.5 hours of lectures per week. It is also recommended that students allow for 3-5 hours of independent study per week.



### Examination & Assessment

100% Online Assessment. This includes continuous assessment and final online exam.



### On-Campus Attendance

No attendance required.



### Who should apply?

The course is aimed at all levels within the organisation including operators, administrators, technicians, engineers, supervisors and managers. This programme is being utilised by several of Ireland's leading employers to upskill their workforce in Lean & OpEx.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Charlotte McManus: Charlotte.McManus@atu.ie

Online

Level: 7

Credits: 5

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

**Delivery Method:**  
Online

Campus: Sligo

Total fees: €250

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Lean &amp; Operational Excellence (OpEx)

Certificate

# Lean Sigma Quality (Six Sigma Green Belt)

This is Ireland's largest accredited online Green Belt programme, which includes the use of Minitab software. This course provides students with enhanced problem-solving skills, using the DMAIC (Define, Measure, Analyse, Improve and Control) model. This course shows students how to reduce cost, increase quality, improve speed and make processes more effective and efficient in their organisations. Participants undertake a work-based project to allow the use of the Lean Six Sigma tools in their workplace.

## Key course details



### Entry Requirements

Applicants are expected to have a minimum of 3 years work experience. Applicants should also have passed the Leaving Certificate or equivalent in Maths due to the statistics covered in the course syllabus.



### Study Hours

Students should expect to attend 1-1.5 hours of lectures per week. It is also recommended that students allow for 3-5 hours of independent study per week.



### Examination & Assessment

Assessment is a combination of continuous assessment and a final online exam.



### On-Campus Attendance

No attendance required.



### External Accrediting Body

As the course content covers the ASQ Body of Knowledge (BOK), students may wish to take the optional additional ASQ / Quality America certification.



### Who should apply?

This Green Belt certification is in great demand by employers across all sectors in the manufacturing, medical device, pharmaceutical, food, healthcare, finance and the service sectors. There are a number of career paths available, as the Lean, OpEx and Six Sigma tools can be very effective in improving business processes in a variety of different industries and sectors.

Online

Level: 7

Credits: 15

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €1500

Recognition of Prior Learning ✓

## What will I study?

### Modules

Six Sigma 1 - Introduction to Lean Sigma Quality

Elective: Six Sigma 2 Statistical Control

Elective: Lean & OpEx

Six Sigma 3 Project

## Course Contacts

Admissions:

admissions.sligo@atu.ie

Student Advisor:

Charlotte McManus:

Charlotte.McManus@atu.ie

Blended

Level: 6

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: Sligo

Total fees: €3000

Recognition of Prior Learning ✓

## What will I study?

### Modules

Archaeological Excavation & Post-Excavation 1

Archaeological Excavation & Post-Excavation 2

Certificate

# Archaeological Excavation & Post-Excavation

The aim of this programme is to provide theoretical knowledge and practical experience of archaeological excavation and post-excavation analysis skills. By the end of the programme, students will have gained hands-on experience excavating on this wonderful archaeological site and will understand what is involved in post-excavation analysis and how these fit into a larger research project. Students will also have a knowledge of Irish archaeology and history, with a particular focus on the landscapes of north-west Ireland.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (Leaving Cert or equivalent) or equivalent lived experience.



### Study Hours

2 hours of lectures and 1 hour of personal study per week.



### Examination & Assessment

This programme is assessed via continuous assessment.



### On-Campus Attendance

3-week block in June.



### Who should apply?

This course is suitable for a wide range of people, with no previous archaeological experience necessary. It may appeal to students of archaeology, life-long learners with an interest in archaeology, those working in tourism or heritage related areas. Note that the excavation requires a reasonable level of physical fitness.

## Course Contacts

Admissions: admissions.sligo@atu.ie

Certificate

# Archaeological Excavation & Post-Excavation International

The aim of this programme is to provide theoretical knowledge and practical experience of archaeological excavation and post-excavation analysis skills. Students will also have a knowledge of Irish archaeology and history, with a particular focus on the landscapes of north-west Ireland. This programme is specifically targeted at students based outside Ireland/Europe.

## Key course details



### Entry Requirements

Applicants require a Level 5 qualification (Leaving Cert or equivalent) or equivalent lived experience.



### Study Hours

2 hours of lectures and 1 hour of personal study.



### Examination & Assessment

This programme is assessed via continuous assessment.



### On-Campus Attendance

3-week block in June.



### Who should apply?

This course is suitable for a wide range of people, with no previous archaeological experience necessary. It may appeal to students of archaeology, life-long learners with an interest in archaeology, those working in tourism or heritage related areas. Note that the excavation requires a reasonable level of physical fitness.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Blended

**Level:** 6

**Credits:** 12

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Sligo

**Total fees:** €3000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Archaeological Excavation & Post-Excavation International 1

Archaeological Excavation & Post-Excavation International 2

Certificate

# Buildings Archaeology

The aim of this special purpose award is to provide an introduction to historic building recording and conservation in Ireland. The aim of this programme is that participants will understand the evidence for medieval and post medieval settlement forms in Ireland and be able to demonstrate knowledge of material construction, architectural styles and the mechanisms of decay and deterioration across a range of building types and monument forms. Students will be familiar with the origins and philosophy behind historic building conservation, be cognisant of the legislative protection underpinning their conservation and apply the principles of best conservation practice.

## Key course details



### Entry Requirements

Students will require an existing Level 6 qualification, or the equivalent in lived experience to secure entry. It is not essential to have a basic grounding in archaeology or built heritage but it is advantageous.



### Study Hours

Live online lectures will take place between 7-9pm one night per week (Module 1) and between 12 noon and 2pm on Fridays weekly (Module 2) in Semester 1. Live online lectures will take place between 7-9pm one evening per week in Semester 2 (Module 3). Independent study will require 4-5 hours per week per module.



### Examination & Assessment

Continuous assessment comprising class tests, building reports/recording assignments.



### On-Campus Attendance

Semester 1 (Sept-December) will require 4 consecutive in-person days on the Sligo campus, where practicals will be conducted in both urban and rural areas of County Sligo.



### Who should apply?

This programme is suitable for members of the general public with an interest in archaeological and architectural stone monuments and historic buildings; owners of historic buildings; professional architects; engineers; local authority personnel; historians; members of archaeological and historical societies; the tourism sector and many more.

Blended

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Sligo

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Constructing the Past: The Archaeology of medieval and Post medieval Settlement in Ireland.

Historic Buildings: Origins, Principles and Recording.

Historic Buildings: Conservation and Practice

## Course Contacts

**Admissions:**

[admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Certificate

# Buildings Archaeology

The aim of this special purpose award is to provide an introduction to historic building recording and conservation in Ireland. The aim of this programme is that participants will understand the evidence for medieval and post medieval settlement forms in Ireland and be able to demonstrate knowledge of material construction, architectural styles and the mechanisms of decay and deterioration across a range of building types and monument forms. Students will be familiar with the origins and philosophy behind historic building conservation, be cognisant of the legislative protection underpinning their conservation and apply the principles of best conservation practice.

## Key course details



### Entry Requirements

Students will require an existing Level 6 qualification, or the equivalent in lived experience to secure entry. It is not essential to have a basic grounding in archaeology or built heritage but it is advantageous.



### Study Hours

Live online lectures will take place between 7-9pm one night per week (Module 1) and between 12 noon and 2pm on Fridays weekly (Module 2) in Semester 1. Live online lectures will take place between 7-9pm one evening per week in Semester 2 (Module 3). Independent study will require 4-5 hours per week per module.



### Examination & Assessment

Continuous assessment comprising class tests, building reports/recording assignments.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This programme is suitable for members of the general public with an interest in archaeological and architectural stone monuments and historic buildings; owners of historic buildings; professional architects; engineers; local authority personnel; historians; members of archaeological and historical societies; the tourism sector and many more.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1500

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Constructing the Past: The Archaeology of medieval and Post medieval Settlement in Ireland.

Historic Buildings: Origins, Principles and Recording.

Historic Buildings: Conservation and Practice

Certificate

# Compost Facility Operation

This module provides compost operators, regulators of facilities and anyone interested in starting a composting facility with the practical knowledge on how to compost properly, how to produce a high-quality compost product and how to be compliant with regulations. The course allows participants to satisfy the general Environmental Protection Agency requirement for a suitably qualified and experienced facility manager to operate a licensed composting facility.

## Key course details



### Entry Requirements

The course is open to all persons interested in Compost Facility Operations, working in or seeking to gain employment in this area.



### Study Hours

The programme is delivered over 6 days, comprising three blocks of 2 days over a period of two months.



### Examination & Assessment

Students are required to complete reports of site visits and other assignments and to undertake an exam at the end of the course.



### On-Campus Attendance

The course comprises lectures and site visits to a large green waste composting facility (windrow technology), a small green waste composting facility and food waste composting facility (In-vessel/Animal By-Product Facility).



### Who should apply?

This programme is suitable for local authority or Environmental Protection Agency enforcement staff, compost operators, compost facility developers and technology providers.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Blended

**Level:** 6

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Sligo

**Total fees:** €1595

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Compost Facility Operations



Certificate in Science

# Health and Safety Representation

This programme is specifically designed to provide workplace safety representatives with the knowledge and skills necessary to perform their functions effectively in accordance with the Safety, Health & Welfare at Work Act 2005 and with the Health and Safety Authority (HSA) Safety Representatives and Safety Consultation Guidelines.

## Key course details



### Entry Requirements

No minimum entry requirements apply.



### Study Hours

Students are expected to attend 1 online lecture in the evening each week for approximately 2 hours. It is recommended that students should try to allow for 5-6 hours per week per 10-credit module to their studies.



### Examination & Assessment

Online assessments.



### On-Campus Attendance

No attendance required.



### Who should apply?

This 12-week programme is suitable for workplace safety representatives as it provides them with with the knowledge and skills necessary to perform their functions effectively in accordance with the Safety, Health & Welfare at Work Act 2005 and with the Health and Safety Authority (HSA) Safety Representatives and Safety Consultation Guidelines.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 6

**Credits:** 10

**Duration:** 12 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €750

**Recognition of Prior Learning** X

## What will I study?

### Modules

Health and Safety Representation

Certificate

# Introduction to Archaeological Interpretation

This programme is designed to provide the learner with a comprehensive introduction to the methods, frameworks, technology and theoretical paradigms utilised by archaeologists as they attempt to interpret the archaeological record and provide meaningful and accurate accounts of past human behaviour. This is the only online archaeology course of its kind offered in Ireland and will best suit students who have already gained at least a basic introduction to archaeology.

## Key course details



### Entry Requirements

Students will require an existing Level 6 qualification, or the equivalent in lived experience to secure entry. While not essential, this course will best suit students who already have a basic grounding in archaeology.



### Study Hours

Each of the two online modules will entail 2 hours of lecturing per week. For part-time online or blended learning, it is recommended that students should try to allow for 5-6 hours per week per 5 credit module to their studies.



### Examination & Assessment

All three modules will have 2 pieces of assessment, a combination of online Moodle tests and essays. There will be no formal exams.



### Who should apply?

The course will be of benefit to those who currently work in the national and international tourist market and wish to upskill, including tourist bus drivers/guides, those in cultural heritage tourism, those who run their own tourism companies or heritage centres, and those who working with local community groups on heritage tourism and/or heritage education.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Online Student Advisor:** Tricia Fitzpatrick: [tricia.fitzpatrick@atu.ie](mailto:tricia.fitzpatrick@atu.ie)

Online

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1650

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

How Archaeology is done: Introduction to Archaeological Methods and Theory

From Gods to Pests: The Role of Animals in Human Societies

Landscape Archaeology

Certificate

# Introduction to Irish Archaeology

The aim of this course is to provide an introduction to the archaeology of Ireland, from the Late Upper Palaeolithic (10,500 BC) through to the Late Medieval period (AD 1550). Learners will gain an understanding of the main chronological periods in Irish archaeology, and the monument types and material culture associated with each period. A two-week field study tour at the end allows students to visit a range of multi-period monuments in the field.

## Key course details



### Entry Requirements

This course is open to anyone who has an interest in Irish archaeology and heritage and has a Level 5 qualification or the equivalent in lived experience. This course will also be of particular interest to those contemplating further study in archaeology or work in the heritage sector.



### Study Hours

Online lectures are for two hours per week. Module 1 (Prehistoric Ireland) runs 7-9pm on Monday nights from September-December. Module 2 (Medieval Ireland) runs 7-9pm on Tuesday nights from January to April. It is important to allocate enough additional study time to complement the online modules and allow for revision, additional reading and time to complete course work.



### Examination & Assessment

All three modules will have two pieces of assessment, a combination of online Moodle tests and essays. There will be no formal exams.



### On-Campus Attendance

In Semester 1, starting September, 2024, students will take one online module: Introduction to Prehistoric Ireland. In Semester 2, starting January 2025, students take one online module: Introduction to Medieval Ireland. At the end of Semester 2, students come to Sligo for 10 days in May for guided field trips to some of the most spectacular archaeological sites in the north-west of Ireland.



### Who should apply?

This course is open to anyone who has an interest in Irish archaeology and heritage and has a Level 5 qualification or the equivalent in lived experience. This course will also be of particular interest to those contemplating further study in archaeology or work in the heritage sector.

Blended

Level: 6

Credits: 15

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: Sligo

Total fees: €2400

Recognition of Prior Learning X

## What will I study?

### Modules

Introduction to Prehistoric Ireland (10,500 BC to AD 400)

Introduction to Medieval Ireland (AD 400-1550) Lecturer

Archaeology of Ireland Study Tour - Northwest of Ireland

## Course Contacts

Admissions:

admissions.sligo@atu.ie

Online

Level: 6

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €500

Recognition of Prior Learning X

## What will I study?

### Modules

Irish Wildflower Identification

Certificate

# Irish Wild Flower Identification

This module is designed to provide training in the basic techniques for identification of common Irish wild flowering plants. Course participants are required to build a portfolio of at least 100 plant species by collecting and preserving specimens in an herbarium as well as keeping photographic records of the plants in their natural habitat (at the time of collection). Guidance will also be provided on field work and plant collecting to ensure compliance with plant protection legislation and health and safety considerations.

## Key course details



### Entry Requirements

The course is open to all persons interested in learning how to identify common Irish wild flowering plants and to learn their common and scientific names.



### Examination & Assessment

Preparation of an herbarium with 100 flowering plants, with full guidance provided. Attendance at an examination testing knowledge of the collected plants in students herbarium (if you wish to obtain the Special Purpose Award certificate).



### On-Campus Attendance

Optional (but recommended) attendance at virtual workshops and field-based workshops which will be held on Saturdays.



### Who should apply?

This course will be useful to amateurs interested in nature and field studies, gardeners, botanists, ecologists, school teachers, retirees, and persons interested in biodiversity, environmental protection, environmental awareness, environmental impact assessment, high nature value farming, and environmental management.

## Course Contacts

Admissions: admissions.sligo@atu.ie

Certificate in Science

# Occupational Safety And Health

Organisations have a legal responsibility to manage health and safety and to do this must delegate these responsibilities to managers, supervisors and operators. This Special Purpose Award is specifically designed for employers, employees or persons who require knowledge in how to manage Occupational Safety and Health risks.

## Key course details



### Entry Requirements

No minimum entry requirements apply.



### Study Hours

Students are expected to attend 1 online lecture in the evening each week for approximately 2 hours. It is recommended that students should try to allow for 5-6 hours per week per 10-credit module to their studies.



### Examination & Assessment

Online assessments.



### On-Campus Attendance

No attendance required.



### Who should apply?

This course is specifically designed for employers, employees or persons who require knowledge in how to manage workplace Occupational Safety and Health risks.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 6

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €750

**Recognition of Prior Learning** X

## What will I study?

### Modules

Foundations for Occupational Safety and Health

Higher Certificate

# Ritual and Meaning in Archaeology

This course examines folklore and popular religion and traditional practises in 18th, 19th and 20th century Ireland dealing with landscape and archaeology. Other modules explore theory and culture associated with the archaeology of Death and the archaeology of sex, drugs and music.

## Key course details



### Entry Requirements

Applicants require a Level 6 award or higher. Further Education, mature student and RPL applicants may also be eligible.



### Study Hours

Two hours lecture and five hours self-guided study per week per module (three modules).



### Examination & Assessment

100% continuous assessment for each of the three modules - including essays, presentations and seminars.



### On-Campus Attendance

No on-campus attendance required.



### Who should apply?

This course is suitable for members of the general public with interest in archaeology; members of archaeological and history societies; Irish archaeologists wishing to broaden their knowledge; and non-Irish wishing to learn more about Ireland.

## Course Contacts

**Admissions:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

Online

**Level:** 7

**Credits:** 15

**Duration:** 1 year

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €1650

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Folklore, popular religion and traditional belief in Ireland

Prehistory of sex, drugs and music.

The archaeology of death

Certificate

# Repurposing of Surplus Food

This programme will answer the objectives of the community climate action programme (CCAP), addressing the needs of community volunteer organisations (CVOs) identified through independent research, by providing a multi-faceted educational programme on practical aspects of food waste minimisation and food redistribution. The case studies will provide replicable examples of organisations who have used SFD alongside other complementary sustainability practices to create the basis for sustainable food communities. The regionally focused training will facilitate peer- and action-learning based on the education programme, case studies and toolkit.

## Key course details



### Entry Requirements

Applicants must be a minimum of 17 years old to apply for this programme and meet one or more of the following criteria:

- Pass mark in any QQI FET Major Award at level 5.
- Grade O6/H7 or better in five Leaving Certificate subjects. Leaving Certificate must include English or Irish and Mathematics. Maths at F2 is acceptable to meet the minimum Maths entry requirement. Irish at F2 is acceptable to meet the minimum language requirement. Equivalent qualifications from other countries also accepted.
- Leaving Certificate Applied with 160 credits.
- For full details, please see the course webpage.



### Study Hours

Each module requires 6 hours in total. 1 hour online lecture and 5 independent learning hours.



### Examination & Assessment

The coursework is assessed through continuous assessment assignments. No final examination.



### On-Campus Attendance

No attendance required.



### Who should apply?

Graduates of this programme will be skilled to work with organisations involved in food aid, donations and surplus food distribution, non-governmental organisations, vocational training institutes e.g., trainer of trainers. Those working with CVOs will upskill and have opportunities to progress within their organisations.

Online

Level: 6

Credits: 10

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €500

Funding opportunities available through FoodCloud

Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Surplus Food

Repurposing Surplus Food

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Mary Tully: Mary.Tully@atu.ie

Certificate

# Surplus Food Distribution

This programme will answer the objectives of the community climate action programme (CCAP), addressing the needs of community volunteer organisations (CVOs) identified through independent research, by providing a multi-faceted educational programme on practical aspects of food waste minimisation and food redistribution. The case studies will provide replicable examples of organisations who have used SFD alongside other complementary sustainability practices to create the basis for sustainable food communities. The regionally focused training will facilitate peer- and action-learning based on the education programme, case studies and toolkit.

## Key course details



### Entry Requirements

Applicants must be a minimum of 17 years old to apply for this programme and meet one or more of the following criteria:

- Pass mark in any QQI FET Major Award at level 5.
- Grade O6/H7 or better in five Leaving Certificate subjects. Leaving Certificate must include English or Irish and Mathematics. Maths at F2 is acceptable to meet the minimum Maths entry requirement. Irish at F2 is acceptable to meet the minimum language requirement. Equivalent qualifications from other countries also accepted.
- Leaving Certificate Applied with 160 credits.
- A Pass in the ATU Access programme, the QQI FET Foundation Certificate, the University of Galway/ATU Foundation Certificate or any Foundation/Access Certificate.



### Study Hours

Each module requires 6 hours in total. 1 hour online lecture and 5 independent learning hours.



### Examination & Assessment

The coursework is assessed through Continuous Assessment assignments. No final examination.



### On-Campus Attendance

No attendance required.



### Who should apply?

Graduates of this programme will be skilled to work with organisations involved in food aid, donations and surplus food distribution, non-governmental organisations, vocational training institutes e.g., trainer of trainers. Those working with CVOs will upskill and have opportunities to progress within their organisations.

Online

Level: 6

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €500

Funding opportunities available through FoodCloud

Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Surplus Food

Surplus Food Distribution

## Course Contacts

### Admissions:

admissions.sligo@atu.ie

### Student Advisor:

Mary Tully: Mary.Tully@atu.ie

Certificate

# Surplus Food Legislation and Safety

This programme will answer the objectives of the community climate action programme (CCAP), addressing the needs of community volunteer organisations (CVOs) identified through independent research, by providing a multi-faceted educational programme on practical aspects of food waste minimisation and food redistribution. The case studies will provide replicable examples of organisations who have used SFD alongside other complementary sustainability practices to create the basis for sustainable food communities. The regionally focused training will facilitate peer- and action-learning based on the education programme, case studies and toolkit.

## Key course details



### Entry Requirements

Applicants must be a minimum of 17 years old to apply for this programme and meet one or more of the following criteria:

- Pass mark in any QQI FET Major Award at level 5.
- Grade O6/H7 or better in five Leaving Certificate subjects. Leaving Certificate must include English or Irish and Mathematics. Maths at F2 is acceptable to meet the minimum Maths entry requirement. Irish at F2 is acceptable to meet the minimum language requirement. Equivalent qualifications from other countries also accepted.
- Leaving Certificate Applied with 160 credits.
- For full details, please see the course webpage.



### Study Hours

Each module requires 6 hours of study, 1 hour for online lecture and 5 hours of independent learning. This programme comprises of 2 modules.



### Examination & Assessment

This programme is assessed through Continuous Assessment. No final examinations.



### On-Campus Attendance

No attendance required.



### Who should apply?

Graduates of this programme will be skilled to work with organisations involved in food aid, donations and surplus food distribution, non-governmental organisations, vocational training institutes e.g., trainer of trainers. Those working with CVOs will upskill and have opportunities to progress within their organisations.

Online

Level: 6

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €500

Funding opportunities available through FoodCloud

Recognition of

Prior Learning ✓

## What will I study?

### Modules

Introduction to Surplus Food

Food Safety and Legislation for the Safe Redistribution of Food

## Course Contacts

Admissions:

admissions.sligo@atu.ie

Student Advisor:

Mary Tully: Mary.Tully@atu.ie

Certificate

# Sustainable Surplus Food Management

This programme will answer the objectives of the community climate action programme (CCAP), addressing the needs of community volunteer organisations (CVOs) identified through independent research, by providing a multi-faceted educational programme on practical aspects of food waste minimisation and food redistribution. The case studies will provide replicable examples of organisations who have used SFD alongside other complementary sustainability practices to create the basis for sustainable food communities. The regionally focused training will facilitate peer- and action-learning based on the education programme, case studies and toolkit.

## Key course details



### Entry Requirements

Applicants must be a minimum of 17 years old to apply for this programme and meet one or more of the following criteria:

- Pass mark in any QQI FET Major Award at level 5.
- Grade O6/H7 or better in five Leaving Certificate subjects. Leaving Certificate must include English or Irish and Mathematics. Maths at F2 is acceptable to meet the minimum Maths entry requirement. Irish at F2 is acceptable to meet the minimum language requirement. Equivalent qualifications from other countries also accepted.
- Leaving Certificate Applied with 160 credits.
- For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

Each module requires a total of 6 hours per week, 1 hour for online lecture and 5 hours of independent study. This programme is comprised of 2 modules.



### Examination & Assessment

The coursework is assessed through Continuous Assessment assignments. No final examination.



### On-Campus Attendance

No attendance required.



### Who should apply?

Graduates of this programme will be skilled to work with organisations involved in food aid, donations and surplus food distribution, non-governmental organisations, vocational training institutes e.g., trainer of trainers. Those working with CVOs will upskill and have opportunities to progress within their organisations.

Online

Level: 6

Credits: 10

Duration: 1 year

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Online

Campus: Sligo

Total fees: €500

Funding opportunities available through FoodCloud

Recognition of

Prior Learning ✓

## What will I study?

### Modules

Introduction to Surplus Food

Sustainable Surplus Food Management

## Course Contacts

Admissions:

admissions.sligo@atu.ie

Student Advisor:

Mary Tully: Mary.Tully@atu.ie

Minor Award in Science

# Bioanalytical Techniques

This special purpose award (SPA) has been developed by ATU Sligo in collaboration with NIBRT. The course provides the core skills to transition operators or lab technicians to similar roles within the rapidly expanding Biopharmaceutical manufacturing sector, enabling graduates to seek specialised roles. The Bioanalytics practical laboratory element (50% component) is an attractive option for personnel seeking laboratory hands-on experience.

## Key course details



### Entry Requirements

An Honours degree (Level 8) or equivalent in an appropriate discipline (i.e. Engineering or Life Sciences). Other candidates with alternative honours degrees and relevant experience in the Biopharmaceutical industry (typically 5 years duration in a GMP environment) may apply for RPL.



### Study Hours

The recommend study time for a 5 credit module is 4 to 5 hours each week. This includes lectures, independent learning and revision.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

Two-day attendance at NIBRT Dublin, during the semester.

## Course Contacts

**Admissions:** admissions.sligo@atu.ie

**Student Advisor:** Michelle Moore: Michelle.Moore@atu.ie

Online

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Sligo

**Total fees:** €2000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Bioanalytical Techniques

Biopharmaceutical Analytical Techniques Practical Module

Certificate

# Acute Medicine

The aim of the programme is to enable acute medicine nurses to develop their knowledge and skills in the assessment and management of acutely ill adults.

## Key course details



### Entry Requirements

RGN with NMBI on General Register and have completed a BSc Honours in General Nursing, Level 8.



### External Accrediting Body

Commissioned by the Office of the Nursing and Midwifery Services Director (ONMSD) H.S.E.



### Who should apply?

This programme is suitable for nurses working in Acute Medicine Units, Acute Medical Assessment Units and Medical Assessment Units.

## Course Contacts

**Admissions:** admissions.donegal@atu.ie

Blended

**Level:** 8

**Credits:** 10

**Duration:** 13 weeks

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Letterkenny

**Total fees:** €1000

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Acute Medicine

Certificate

# Acute Medicine Nursing

Acute medicine as a speciality has developed rapidly over the last number of years both nationally and internationally. The aim of this programme is to enable acute medicine nurses to develop their knowledge and skills in the assessment and management of acutely ill adults.

## Key course details



### Entry Requirements

Registered General Nurses.

Currently engaged in a HSE or HSE funded Acute Medicine Unit/Emergency/General Medical Department for the duration of the programme.

Nurses from non HSE and non HSE funded organisations who work in Acute Medicine Unit/Emergency/General Medical Department may be offered a place on the course subject to meeting the course entry criteria and the availability of places.

For full details on the Entry Requirements for this programme please see the course webpage.



### Examination & Assessment

This programme is assessed via 100% continuous assessment.



### On-Campus Attendance

Students attend the ATU Mayo Campus 1 day per fortnight with online work undertaken between college days.



### Who should apply?

The aim of this programme is to enable nurses working in Acute Medical Units to develop their knowledge and skills in the assessment and management of acutely ill adults.

## Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

Blended

**Level:** 8

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** Mayo

**Total fees:** €900

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Assessment and Management of the Acutely Ill Adult within the Acute Medicine Unit

Standalone Module

# Advanced Research Skills

The module is designed to enable students to explore the methodological issues and practical issues about research. It will assist students to determine the right research design for their research questions in practice and provides an opportunity for students to debate, challenge and clarify research issues. This module provides students with the skills needed to source, evaluate and implement evidence in practice. Students are also introduced to the many approaches used in synthesising evidence from primary studies. The module also prepares students to develop a research proposal/protocol in preparation to undertake a research study.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment. Students prepare an evidence synthesis protocol or a primary research proposal.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake online directed work over the course of the module. Students attend a seminar day on campus in January, February and March.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**  
Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of  
Prior Learning** ✓

## What will I study?

### Modules

Advanced Research Skills

## Course Contacts

### Admissions:

[admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Standalone Module

# Behaviours that Challenge

This module will support the student to develop the knowledge and skills to provide evidence-based positive behaviour support to people who present with behaviours that challenge/behaviours of concern. The module will assist the student in developing knowledge and skills to identify the function of behaviours that challenge. The module will also assist the student to develop the knowledge and skills necessary to implement and evaluate interventions that are based on a multi element approach offering both proactive and reactive strategies.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 15-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

This module is assessed by coursework assignment and on-line activities (e-tivities; and on-line participation through discussion boards).



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake online directed work over the course of the module. Students attend 1 seminar day on campus in October.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

Level: 9

Credits: 15

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of Prior Learning ✓

## What will I study?

### Modules

Behaviours that Challenge

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Certificate

# Community Development Practice

The Certificate in Community Development Practice provides an introductory level education programme for emerging or existing community development practitioners. The objectives of the programme are to understand values and principles of community development practice as a distinct professional approach, and to develop group work skills while working in communities.

## Key course details



### Entry Requirements

Admission to this course will be assessed through an application form and an interview. The programme chair will arrange interviews for all eligible applications received by the closing date. Late applicants will be put on a waiting list to be considered if places remain unfilled following the initial admissions process. A marking scheme will be in place and used. Unsuccessful applicants will be signposted to relevant services/ supports.



### Study Hours

Contact time is 4 hours per week with a recommended 2 hours self-guided study time.



### Examination & Assessment

All assessments are continuous assessments that are completed during the semester. There are no examinations.



### On-Campus Attendance

In person attendance is required once a week.



### External Accrediting Body

Recognised by the All Ireland Endorsement Body for Community Work Education and Training (AIEB).



### Who should apply?

This course is aimed at emerging professionals, who wish to begin a career in community development. The programme is also suitable for those employed in community development settings, who do have a certified community development qualification and wish to build on their accredited qualifications in the area.

On-campus

Level: 6

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

On-campus

Campus: Mayo

Total fees: €350

Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Community Development

Group Dynamics and Development

## Course Contacts

### Admissions:

learn.galwaymayo@atu.ie



Standalone Module

# Early Interventions for People who Experience First Episode Psychosis

The aim of this module is to enhance knowledge and understanding of the relevance of early intervention in the area of psychosis. The logic of early intervention is best exemplified by consideration of the consequences of a long duration of untreated psychosis. A holistic, multi-disciplinary approach is most appropriate with absolute inclusion of the individual with the psychosis as well as his/her family.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education.

Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment consisting of a 3000 word written assignment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend two seminar days on-campus in January and one in February.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

Level: 9

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of Prior Learning ✓

## What will I study?

### Modules

Early Interventions for People who Experience First Episode Psychosis

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Standalone Module

# Eating Disorders in Adults and Adolescents

The aim of this module is to enhance knowledge and understanding of the various eating disorders encountered by young adolescents and adults. Consideration is given to how best to support individuals through a comprehensive assessment and an early intervention to ensure that a seamless model of care is delivered.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education.

Some modules may only be undertaken while working in a specific discipline related area such as nursing. This is specified in modules descriptions. Applicants will normally have gained a primary degree (health science/ studies or social science/studies related) level 8 or evidence of equivalent academic credits.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment consisting of a 3000 word written assignment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend one seminar day on campus in January and two in February.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

Level: 9

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of Prior Learning ✓

## What will I study?

### Modules

Eating Disorders in Adults and Adolescents

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

## Certificate eHealth

This programme familiarises students with the core values of Ireland's eHealth and digital health strategies. The programme will provide an explanation of the technologies and data standards which will underpin eHealth and digital transformation, and will enable graduates to play a proactive role in implementation in a variety of healthcare settings.

### Key course details



#### Entry Requirements

Applicants should hold an NFQ Level 7 or Level 8 or equivalent qualification.



#### Study Hours

It is recommended that students should try to allow for 5-7 hours per week per 5 credit module to their studies. This might be broken down to allow for up to 2 hours per week for online lectures and tutorials and 4-5 hours of self guided study hours.



#### Examination & Assessment

100% continuous assessment.



#### On-Campus Attendance

No attendance required.



#### Who should apply?

This one semester programme will be of particular interest to qualified clinicians, allied health and social care professionals and administrative staff in health care environments as well as those from other professions seeking to enhance their knowledge in the area of electronic / digital healthcare.

### Course Contacts

**Admissions:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Student Advisor:** Eileen O'Hara: [eileen.ohara@atu.ie](mailto:eileen.ohara@atu.ie)

## Online

**Level:** 8

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Online

**Campus:** Mayo

**Total fees:** €900

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

eHealth Systems &  
Implementation

eHealth Strategy & Data

Standalone Module

## Fundamentals of Coaching and Healthy Lifestyle Behaviours

The module aims to critically review the development of and underpinning principles of health and wellness coaching. The groundwork will be laid for a mind-set shift in the student approach to facilitating clients to make changes in their health and wellness. The expert versus the coaching approach will be critically explored and the key values and ethics of coaching will be distinguished.

### Key course details



#### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



#### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



#### Examination & Assessment

The module is assessed through coursework written assignment (50%) and an online MCQ Exam based on coursework and asynchronous study.



#### On-Campus Attendance

This module is delivered through a hybrid approach. Online live lecture normally take place one day per week for 2 hours, generally between 3pm and 5pm. Students attend one seminar day on campus and one seminar day online.



#### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

## Blended

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of  
Prior Learning** ✓

### What will I study?

#### Modules

Fundamentals of Coaching and  
Healthy Lifestyle Behaviours

### Course Contacts

#### Admissions:

[admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)

Standalone Module

# Healthcare Ethics

This module will enable students to develop an understanding and appreciation of ethical perspectives and issues in health care, to enhance their professional managerial practice.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education.

Some modules may only be undertaken while working in a specific discipline related area such as nursing. This is specified in modules descriptions. Applicants will normally have gained a primary degree (health science/ studies or social science/studies related) level 8 or evidence of equivalent academic credits.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend one seminar day on campus in January, two seminar days in February and one seminar day in March.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Master of Health Science/Postgraduate Diploma in Science in Nursing/ Professional Studies.

Blended

Level: 9

Credits: 10

Duration: 1 semester

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

### Recognition of

Prior Learning ✓

## What will I study?

### Modules

Healthcare Ethics

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Standalone Module

# Historical Perspectives in Disability Studies

This module will explore the historical emergence of current ways of understanding disability, examining disability as a social issue rather than as a personal trouble. Students will relate disability to themes including equality, equal opportunities and discrimination, contrasting these with traditional individualising approaches. Students will explore power relations, the ways in which these have been experienced by disabled people, and ways in which these are addressed in new narratives on disabling history.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details please see the course webpage.



### Study Hours

Live lectures are normally broadcast between 6.30pm and 8pm on Mondays and Wednesdays - but this may vary during the year. A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

All assessment on this course takes the form of written coursework (no examinations). This includes contribution to discussion forums, shorter written assignments and a longer final essay.



### On-Campus Attendance

On campus attendance is not mandatory, but students may attend in person, or online, for seminars which run one/two days per semester.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Postgraduate Diploma in Health Sciences (Nursing/ Professional Studies).

Blended

Level: 9

Credits: 10

Duration: 1 semester

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

### Recognition of

Prior Learning ✓

## What will I study?

### Modules

Historical Perspectives in Disability Studies

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Standalone Module

# Introduction to Cognitive Behaviour Therapy

Cognitive Behavioural Therapy (CBT) is integral to the design and delivery of recovery orientated evidence based mental health services for people with mental health problems (HSE, 2014). The aim of this module is outline and critically discuss the essence of the cognitive-behaviour therapy approach in supporting people with a wide range of mental health difficulties.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education.

Some modules may only be undertaken while working in a specific discipline related area such as nursing. This is specified in modules descriptions. Applicants will normally have gained a primary degree (health science/ studies or social science/studies related) level 8 or evidence of equivalent academic credits.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through a Skills Examination and Reflective account of same.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend two seminar days on campus in January, and one in February.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Postgraduate Diploma in Health Sciences (Nursing/ Professional Studies).

Blended

Level: 9

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of Prior Learning ✓

## What will I study?

### Modules

Introduction to Cognitive Behaviour Therapy

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Certificate

# Nursing Procedural Sedation

This programme, developed in collaboration with Galway Clinic, provides Registered Nurses with the knowledge and skills to engage in safe practice with regards to procedural sedation within their scope of practice.

## Key course details



### Entry Requirements

Registered Nurses with the Nursing and Midwifery Board of Ireland. Currently employed and directly working in an environment where procedural sedation is undertaken. Approval by the Director of Nursing to undertake the programme. A current Basic Life Support Certificate and competence in Intravenous Cannulation (evidence required). An admission checklist must be completed and signed by the Director of Nursing and a Consultant Anaesthetist prior to a place being offered.



### Examination & Assessment

This programme is assessed through a blend of continuous assessment and final exams.



### On-Campus Attendance

Two days of classroom attendance per week for one semester.



### External Accrediting Body

Approved by the Nursing and Midwifery Board of Ireland (NMBI)



### Who should apply?

This programme is suitable for Registered Nurses wishing to gain the knowledge and skills to engage in safe practice with regards to procedural sedation within their scope of practice.

## Course Contacts

Admissions: learn.galwaymayo@atu.ie

Blended

Level: 9

Credits: 10

Duration: 1 semester

Study Mode:

Part-time: Yes

Full-time: No

Delivery Method:

Blended

Campus: Mayo

Total fees: €1200

Recognition of Prior Learning ✓

## What will I study?

### Modules

Procedural Sedation

Quality and Risk Management

Standalone Module

# Principles of Healthcare Leadership

The aim of this module is to develop students' understanding of the core and current management frameworks, theories and tools as well as develop their competence to assess their relevance to the issues of twenty-first century leadership in health care settings. The module will also explore the use of evidence-based management for effective planning and decision-making by today's healthcare managers and leaders. Finally, the contributions that change management and organisational development theory make to overcoming the challenge of change in health care will be evaluated.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through coursework assignment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend a seminar day on campus in September and October and two seminar days in November.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Postgraduate Diploma in Health Sciences (Nursing/ Professional Studies).

Blended

Level: 9

Credits: 10

Duration: 1 semester

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Principles of Healthcare Leadership

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Standalone Module

# Quality and Healthcare Management

This module aims to enable the student to examine the drive for improving quality, safety and governance across healthcare systems worldwide that meets the needs of service users, healthcare professionals and providers of health services. The management of quality through the various stages of the quality management cycle, from needs assessment, analysis, as well, as measurement, performance (including patient experience), evaluation and improvement will be explored with an emphasis on governance, leadership and approaches used to drive and implement sustainable quality improvement.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. For full details please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

This module is assessed through lectures, workshops, discussion-groups, group work, presentations and seminars.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend one seminar day on campus in September, two seminar days in October and one seminar day in November.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Postgraduate Diploma in Health Sciences (Nursing/ Professional Studies).

Blended

Level: 9

Credits: 10

Duration: 1 semester

### Study Mode:

Part-time: Yes

Full-time: No

### Delivery Method:

Blended

Campus: St Angelas

Total fees: €900

Recognition of  
Prior Learning ✓

## What will I study?

### Modules

Quality and Healthcare Management

## Course Contacts

### Admissions:

admissions.stangelas@atu.ie

Certificate

# Recovery in Mental Health

The aim of this single module is to enable learners to develop an in depth working knowledge of the principles and practice of recovery for the mental health service user and to critically evaluate the range of skills necessary to work innovatively and collaboratively with service users, carers and their families, and appropriate agencies.

This module maps to the CORU Standards of Proficiency below:

Domain 1: Professional Autonomy and Accountability

Domain 2: Communication, Collaborative Practice and Teamworking

Domain 5: Professional Knowledge and Skills

## Key course details



### Examination & Assessment

This module is assessed via 100% coursework.

## Course Contacts

**Admissions:** learn.galwaymayo@atu.ie

Blended

**Level:** 8

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** Mayo

**Total fees:** €640

**Recognition of Prior Learning** X

## What will I study?

### Modules

Recovery in Mental Health

Standalone Module

# Therapeutic Communication

The aim of this module is to enhance knowledge and understanding of the essentials of therapeutic communication. The module will further enhance therapeutic skills and help the student to develop the therapeutic relationship which serves to underpin the basis of all psychological therapies. Critical exploration of attitudes, feelings and behaviour will take place. This module will help students to identify, explore and manage issues that may arise in the therapeutic alliance e.g. therapeutic ruptures.

## Key course details



### Entry Requirements

Be a registered nurse on the Register maintained by the Nursing and Midwifery Board of Ireland. **OR**

Be registered on the appropriate allied health professional Register (for those required to register with a professional body) **AND**

Be currently employed in healthcare or social care either in: clinical or social care practice/management/ research /education. Some modules may only be undertaken while working in a specific discipline related area such as nursing. This is specified in modules descriptions. For full details on the Entry Requirements for this programme, please see the course webpage.



### Study Hours

A 10-credit module has a 20 hour per week workload and this includes class time, online directed work, self-directed work and assessment preparation.



### Examination & Assessment

The module is assessed through examination in the form of a Therapeutic Skills Assessment.



### On-Campus Attendance

This module is delivered through a hybrid approach. Students undertake directed work over the course of the module. Students attend two seminar days on campus in October and one in November.



### Who should apply?

ATU St Angelas delivers a number of standalone modules which address issues of interest to all health and social care professionals. Credits attained can be accumulated over a 2-3-year timeframe and put towards a Postgraduate Diploma in Health Sciences (Nursing/ Professional Studies).

Blended

**Level:** 9

**Credits:** 10

**Duration:** 1 semester

**Study Mode:**

**Part-time:** Yes

**Full-time:** No

**Delivery Method:**

Blended

**Campus:** St Angelas

**Total fees:** €900

**Recognition of Prior Learning** ✓

## What will I study?

### Modules

Therapeutic Communication

## Course Contacts

**Admissions:**

admissions.stangelas@atu.ie

# Conas Iarratas a Chur Isteach

## How to Apply

### Before you Apply

Before you apply for a flexible learning course at ATU, we recommend that you research your course, through this prospectus and by viewing the course webpage. Please ensure to check the entry requirements and time commitment involved, as these vary from course to course. You will find details on entry requirements on the individual course webpage.

### When to Apply

Flexible learning courses are popular, and they fill on a first come, first served basis. There are two major intake periods throughout the academic year, September and January.

For January start courses, applications typically open in October, and for September start courses, applications typically open in February. Closing dates for applications are listed on the individual course webpages.

### How to Apply

Applying for a flexible learning course is easy, simply visit the webpage of your chosen course and select the 'apply now' button, and follow the steps outlined.

Each campus has its own application process and for further information on these processes, please visit [atu.ie/apply-now](http://atu.ie/apply-now)

### Please Note

We have taken great care in compiling the information contained in the prospectus, which we believe to be accurate at the time of going to print. However, the provision of programmes, facilities, accreditation, and other arrangements described in the prospectus are regularly reviewed and may with good reason be subject to change without notice. Courses will run subject to sufficient student numbers. We recommend that you check the ATU website [www.atu.ie](http://www.atu.ie) for the most up-to-date information before making an application.

# Riachtanais Lontrála

## Entry Requirements

At ATU, we have designed our online and flexible courses in a way that gives our students the option to graduate at different levels.

These levels include Special Purpose Awards, Level 6 Certificate or Higher Certificate, Level 7 Bachelor Degree, Level 8 Honours Bachelor Degree and Level 9 Postgraduate qualifications.

This ladder system enables students to progress through to qualifications appropriate to individual requirements, previous qualifications, and work experience.

At ATU, every course is made up of a set of modules or subjects and each of these has a credit weighting. Credits is a universal term used to quantify learnings in higher education.

If you're thinking about applying for a flexible learning course at ATU, please make sure to check the level of the course, the credits, and if you meet the entry requirements listed on the individual course web page.

### Recognition of Prior Learning

Recognition of Prior Learning (RPL) is a process whereby evidence of learning (formal, non-formal or informal) that has taken place prior to enrolment in higher education is recognised and given value as part of your application process.

A fundamental principle of RPL is that a learner should not be asked to relearn something they already know. With RPL, prior learning can count towards entry, advanced entry, credit or exemptions from modules at ATU.

To apply for recognition of prior learning, please visit [atu.ie/rpl](http://atu.ie/rpl)

## Scrúduithe & Measúnithe Examinations & Assessments

While continuous assessment occurs throughout many modules on our courses, many are also assessed by scheduled examinations at the end of each semester. The methods of assessments are specific to each course and the modules within that course.

Assessments in the forms of quizzes, practical labs and assignments are used to gauge students' understanding of a topic throughout an academic semester.

For examinations, students may have to attend an in-person exam at a nominated venue by ATU or at an ATU campus.

If you are studying a fully online course, it may be possible for the exam to be taken remotely via online proctoring, if you are an overseas student or a student with extenuating circumstances.

End of semester exams are typically held in January and May each year, and you may be required to take some time off work to attend these exams.

Full details of examinations and assessments can be found on our course webpages.

## Táillí & Maoiniú Fees & Funding

Fees vary for each course, it is important that you check the relevant course webpage for further information regarding the fees for your interested course.

### Self-Funding

To help make payments more manageable for students who are self-funding, ATU has a variety of payment options that include payment per semester, in-full or by instalment.

### Employer Funded

If your employer is partly or fully funding your course, you will need to organise payment through the ATU Admissions team with your employer.

### EU Fees/Non-EU Fees

Fees quoted in the Online, Flexible & Professional Development prospectus are quoted as EU fees for the current academic year.

### Tax Relief

As ATU is listed by the Irish revenue as an 'APPROVED INSTITUTION' students are eligible to claim tax relief at the standard rate for tuition fees. In order to determine your own eligibility and if the course you have applied for qualifies for a tax refund, please read the information on the Revenue website: [www.revenue.ie/en/personal-tax-credits-reliefs-and-exemptions](http://www.revenue.ie/en/personal-tax-credits-reliefs-and-exemptions)

### Funding Opportunities

Many of our online and flexible courses have funding supports available to applicants for their tuition fees. These funding supports are available from a variety of Skillnets, DASBE, Springboard+ and much more. For a full list of the courses that have funding supports, please visit [www.atu.ie/fees-funding](http://www.atu.ie/fees-funding)

### Skillnet

Funding opportunities may be available from Skillnet Ireland to partially fund programme fees. For further information, please visit [skillnetireland.ie](http://skillnetireland.ie)

### Springboard+

Each year, the Higher Education Authority (HEA) approves courses for Springboard+ funding. Applications for Springboard+ funded courses launch in May/June each year. Students interested in studying on a Springboard+ approved course must apply to Springboard+ directly and must meet Springboard+ eligibility criteria.

If you are a Springboard+ funded student completing a Level 6 course, it is fully funded by the HEA, and you are not required to make any payment towards your tuition fees. If you are employed and are completing a Level 7 - 9 course it is 90% funded and you are required to pay the remaining 10% tuition fee. If you are unemployed, Springboard+ will cover 100% of the course fees.

For further information visit [atu.ie/springboard](http://atu.ie/springboard)

For full details on Fees & Fundings, please scan the below and download our Fees & Funding guide: [atu.ie/fees-funding](http://atu.ie/fees-funding)



# Cuir Aithne ar an bhfoireann

## Meet our team

### Business Development Team

Our Business Development Team focuses on developing business opportunities, managing funding initiatives, and building relationships with key industry partners to showcase the full portfolio of online and flexible courses available at ATU.

Funding initiatives such as Springboard+ and Skillnets are all managed by this team as well as business account management for upskilling, collaboration with ETBs/Fes, and attendance at many national and international events.



**Jean Gilligan**  
Head of Online Learning Business  
Development & Operations Manager  
jean.gilligan@atu.ie



**Sarah Best**  
Business Development & Account  
Coordinator for the Faculty of Science  
sarah.best@atu.ie



**Catherine O'Reilly**  
Springboard & Online  
Programme Coordinator  
catherine.oreilly@atu.ie



**Theresa Dempsey**  
Work Based Learning Coordinator  
for Mechatronics  
theresa.dempsey@atu.ie



**Patrick Sweeney**  
Business Development & Account  
Coordinator for the Department of  
Civil & Construction Engineering  
patrick.sweeney@atu.ie



**Peter Smith**  
Business Development & Account  
Coordinator ATU Galway/Mayo  
peter.smith@atu.ie

### Faculty Support

The Faculty Support team at ATU are dedicated to your academic journey, and will work closely with academic leads across the University's Schools, Faculties and Departments to develop cutting-edge programmes tailored for your success. The team actively supports the creation of innovative part-time, online, and postgraduate courses, providing faculty with the resources and expertise to deliver programmes that reflect the latest advancements in your chosen field.



**Eamon Walsh**  
Head of Faculty Support -  
Education, Design, Humanities  
eamon.walsh@atu.ie



**Shane Connolly**  
Faculty Support Officer - Science & Health  
shane.connolly@atu.ie



**Emily King**  
Faculty Support Officer -  
Engineering & Computing  
emily.king@atu.ie



**Áine Friel**  
Faculty Support Officer - Business  
aine.friel@atu.ie

# Treoir Ghairme

## Career Guidance

### My Career Path

If you are unsure of what you would like to study or your career direction, MyCareerPath is an excellent online 1-to-1 mentoring service available from ATU. Designed for people in the workplace, returners to education, entrepreneurs seeking to upskill and people looking to accelerate their career and progress within their organisation.

You will receive advice and career guidance on the learning pathways available to you and how to achieve your career objectives or improve your employability.

For further information and how to subscribe to MyCareerPath, please visit **MyCareerPath**.

# Líonra Iarscoláirí OTA

## ATU Alumni Network



Alumni

### Stay Connected for Life

Our ATU Alumni Network is a vibrant and diverse community of individuals who share your passion for knowledge and success. By staying connected, you'll have access to a wealth of opportunities, resources, and support that can help you thrive.

### Professional Development

Your fellow alumni are leaders and innovators in various industries. Networking with them can open doors to mentorship, career advice, job opportunities, and partnerships that can boost your career to new heights.

### Continued Learning

Lifelong learning is a core value at ATU. Our alumni have the chance to engage in ongoing educational opportunities, from workshops and webinars to advanced degrees and certifications, keeping your knowledge and skills up-to-date.

### Stay Informed

Receive updates on the latest developments at ATU, research breakthroughs, and alumni achievements through newsletters and communications.

Your ATU Alumni Network is not just for today; it's for a lifetime. Embrace this powerful resource, and let it be your guide and support system as you embark on your professional and personal journey.

For more details, please visit: [atu.ie/alumni](https://atu.ie/alumni)



### Reduced Masters Course Fees

The ATU Alumni Office is dedicated to supporting the professional and academic growth of its network members through lifelong learning opportunities.

As part of our comprehensive benefits programme for members of the ATU Alumni Network, the ATU Alumni Office is pleased to offer a 20% reduction in academic fees for alumni who choose to pursue a Masters programme at ATU. This benefit, exclusive to ATU Alumni Network members, underscores the university's commitment to building a lifelong connection with our alumni and supporting them in their ongoing educational endeavours.

The reduction in fees is for members of the ATU Alumni Network. It can be applied to those who register on a Level 9 Masters Awards (90 credits) available across any ATU campus.

The discount can be applied to both full-time and part-time Masters Programmes, and includes all delivery formats, on-campus, online, or blended. Available from September 2024/2025. Some course exclusions will apply.

To be eligible, students must have graduated from ATU (including all legacy Institutes of Technology – GMT, LYIT, IT Sligo and St Angela's College) with a Level 8 Honours Degree AND applicants availing of this benefit must be registered with the ATU Alumni Office on the ATU Alumni Database.

This discount cannot be combined with other awards, scholarships, or discounts.

International students who have completed a full-time level 8 undergraduate degree are already eligible for an alumni discount on non-EU fees when progressing directly into postgraduate studies.

For further details on this benefit, eligibility, how to apply and further terms and conditions, please visit: [atu.ie/alumni](https://atu.ie/alumni)

## Further Information

For further details on any of the information contained within this book, please visit [atu.ie/flexible](https://www.atu.ie/flexible)

Alternatively, you can email our admissions team

**Sligo:** [admissions.sligo@atu.ie](mailto:admissions.sligo@atu.ie)

**Galway-Mayo:** [learn.galwaymayo@atu.ie](mailto:learn.galwaymayo@atu.ie)

**Donegal:** [admissions.donegal@atu.ie](mailto:admissions.donegal@atu.ie)

**St Angelas:** [admissions.stangelas@atu.ie](mailto:admissions.stangelas@atu.ie)



Ollscoil  
Teicneolaíochta  
an Atlantaigh

Atlantic  
Technological  
University

**Online, Flexible  
& Professional  
Development**