

Explore our World

**GOOD
UNIVERSITY
GUIDE
2018**

INSTITUTE OF TECHNOLOGY OF THE YEAR







AIT Open Days

October Open Days

Friday 20 & Saturday 21 October 2017

Course Interactive Open Day

Saturday 21 April 2018

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Book Now: www.ait.ie/openday



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Follow our guide to quickly find the course you want

	Faculty of Science & Health	CAO CODE	LEVEL	DURATION	2017 POINTS	PAGE
Nursing & Healthcare	Bachelor of Science (Hons) Nursing in General Nursing	AL830	8	4 Years	398	65
	Bachelor of Science (Hons) Nursing in Psychiatric Nursing	AL832	8	4 Years	387	67
	Higher Certificate in Science Pharmacy Technician	AL630	6	2 Years	290	69
	Bachelor of Science - Pharmacy Technician	Add-on	7	1 Year	N/A	71
	Higher Certificate in Science Dental Nursing	AL631	6	2 Years	273	73
	Bachelor of Science in Dental Practice Management with Oral Health Promotion	Add-on	7	1 Year	N/A	75
Social Sciences	Bachelor of Science (Hons) Applied Psychology	AL870	8	4 Years	New	77
	Bachelor of Arts (Hons) Social Care Practice	AL860	8	4 Years	300	79
	Bachelor of Arts Early Years Care and Education	AL764	7	3 Years	268	81
	Bachelor of Arts (Hons) in Early Years Care and Education	Add-on	8	1 Year	N/A	85
	Bachelor of Arts Applied Social Studies in Social Care	AL765	7	3 Years	280	87
	Bachelor of Arts (Hons) Applied Social Studies in Social Care	Add-on	8	1 Year	N/A	89
Design	Bachelor of Arts (Hons) Design, Innovation & Technology	AL862	8	4 Years	New	91
	Bachelor of Arts (Hons) Animation and Illustration	AL861	8	4 Years	605	93
	Bachelor of Arts Graphic Design	AL763	7	3 Years	750	97
	Bachelor of Arts (Hons) in Graphic & Digital Design	Add-on	8	1 Year	New	99
Sport & Health Sciences	Bachelor of Science (Hons) Health Science with Nutrition	AL836	8	4 Years	346	101
	Bachelor of Science (Hons) Sports Science with Exercise Physiology	AL837	8	4 Years	354	103
	Bachelor of Science (Hons) Athletic & Rehabilitation Therapy	AL841	8	4 Years	405	105
	Bachelor of Science (Hons) Physical Activity and Health	AL843	8	4 Years	306	107
Life & Physical Sciences	Bachelor of Science (Hons) Biotechnology	AL838	8	4 Years	270	109
	Bachelor of Science (Hons) Microbiology	AL839	8	4 Years	357	111
	Bachelor of Science (Hons) Pharmaceutical Sciences	AL840	8	4 Years	257	115
	Bachelor of Science (Hons) Bioveterinary Science	AL842	8	4 Years	301	117
	Bachelor of Science (Hons) in Toxicology and Analytical Sciences	AL844	8	4 Years	New	119
	Bachelor of Science Biotechnology	AL730	7	3 Years	206	121
	Bachelor of Science Veterinary Nursing	AL731	7	3 Years	401	123
	Bachelor of Science Forensic Toxicology	AL733	7	3 Years	209	125
	Bachelor of Science (Hons) Toxicology	Add-on	8	1 Year	N/A	127
	Bachelor of Science Pharmaceutical Sciences	AL734	7	3 Years	218	129
	Higher Certificate in Science (Bioscience/Chemistry)	AL632	6	2 Years	190	131
	Bachelor of Science (Hons) in Applied Bioscience	Add-on	8	1 Year	N/A	133
Accounting & Business Computing	Faculty of Business & Hospitality	CAO CODE	LEVEL	DURATION	2017 POINTS	PAGE
	Bachelor of Arts (Hons) Accounting and Law	AL853	8	4 Years	308	141
	Bachelor of Arts (Hons) Accounting	AL852	8	3 Years	293	143
	Higher Certificate in Business Music & Instrument Technology	AL651	6	2 Years	AQA	145
	Higher Certificate in Business in Equine	AL652	6	2 Years	AQA	147
	Bachelor of Business in Equine	Add-on	7	1 Year	N/A	149
	Bachelor of Arts (Hons) Hospitality Management (with International Placement)	AL855	8	4 Years	N/A	151
	Higher Certificate in Arts Culinary Arts	AL660	6	2 Years	183	153
	Bachelor of Arts in Culinary Arts	Add-on	7	1 Year	N/A	155
	Bachelor of Arts (Hons) in Culinary Entrepreneurship	Add-on	8	1 Year	N/A	157
	Higher Certificate in Arts Bar Supervision	AL661	6	2 Years	AQA	159

Faculty of Business & Hospitality	CAO CODE	LEVEL	DURATION	2017 POINTS	PAGE	
Higher Certificate in Business Sport and Recreation	AL663	6	2 Years	185	163	Hospitality, Tourism & Leisure Studies
Bachelor of Business Sport Management	Add-on	7	1 Year	N/A	165	
Bachelor of Business (Hons) in Management in Tourism & Sport	Add-on	8	1 Year	N/A	167	
Bachelor of Arts Hotel and Leisure Management	AL761	7	3 Years	206	169	
Bachelor of Business (Hons) in Tourism & Hospitality Management	Add-on	8	1 Year	N/A	171	
Bachelor of Business Honours (Ab initio)	AL850	8	4 Years	296	173	Business & Management
Bachelor of Business (Hons) Business and Law	AL851	8	4 Years	300	175	
Bachelor of Arts (Hons) in Business Psychology	AL854	8	4 Years	291	177	
Bachelor of Business in Digital Marketing	AL751	7	3 Years	207	179	
Bachelor of Business (Hons) in Digital Marketing	Add-on	8	1 Year	N/A	181	
Higher Certificate in Business	AL650	6	2 Years	200	185	
Bachelor of Business	Add-on	7	1 Year	N/A	187	
Bachelor of Business International Business Management	Add-on	7	1 Year	N/A	189	
Bachelor of Business Honours	Add-on	8	1 Year	N/A	191	

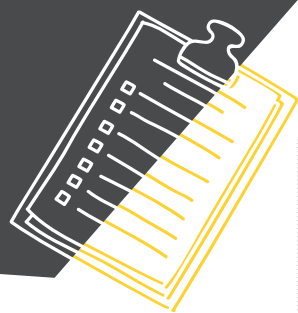
Faculty of Engineering & Informatics	CAO CODE	LEVEL	DURATION	2017 POINTS	PAGE	
Bachelor of Science (Hons) Quantity Surveying	AL810	8	4 Years	311	199	Civil & Construction Engineering
Higher Certificate in Engineering Civil Engineering	AL604	6	2 Years	AQA	201	
Bachelor of Engineering Civil Engineering	AL721	7	3 Years	225	203	
Bachelor of Engineering (Hons) Civil Engineering	Add-on	8	2 Years	N/A	207	
Bachelor of Science (Hons) Construction Management	Add-on	8	1 Year	N/A	209	
Bachelor of Science (Hons) Energy and Business Management	Add-on	8	1 Year	N/A	211	
Bachelor of Science (Hons) Software Design (Common Entry to Game Development and Cloud Computing)	AL801	8	4 Years	290	213	Electronics, Computer & Software Engineering
Bachelor of Engineering ICT Engineering (Common Entry)	AL701	7	3 Years	218	215	
Bachelor of Engineering in Electronic Communications	Add-on	7	1 Year	N/A	217	
Bachelor of Science in Network Management	Add-on	7	1 Year	N/A	219	
Bachelor of Science (Hons) Network Management & Cloud Infrastructure	Add-on	8	1 Year	N/A	221	
Higher Certificate in Engineering in Electronics and Computer Engineering	AL601	6	2 Years	228	223	
Bachelor of Engineering Computer Engineering	AL704	7	3 Years	206	225	
Bachelor of Engineering Computer Engineering	Add-on	7	1 Year	N/A	227	
Bachelor of Science Software Development (Mobile Apps and Connected Devices)	AL705	7	3 Years	204	229	
Bachelor of Engineering (Hons) in Software Engineering	Add-on	8	1 Year	N/A	231	Mechanical / Polymer Engineering
Bachelor of Engineering (Hons) in Mechanical & Polymer Engineering	AL820	8	4 Years	300	233	
Higher Certificate in Engineering Mechanical Engineering	AL602	6	2 Years	212	235	
Bachelor of Engineering Mechanical Engineering	AL710	7	3 Years	206	239	
Bachelor of Engineering Mechanical Engineering and Renewable Energy	AL711	7	3 Years	206	241	
Bachelor of Engineering Mechanical (Common Entry)	AL713	7	3 Years	244	243	
Bachelor of Engineering (Hons) in Mechanical Engineering	Add-on	8	1 Year	N/A	245	
Bachelor of Engineering Mechatronics	AL712	7	3 Years	252	247	
Bachelor of Engineering (Hons) in Manufacturing Technology	Add-on	8	1 Year	N/A	249	

Disclaimer:

All course titles and information listed are subject to change. We are constantly improving our portfolio of courses. See www.ait.ie for the most up to date information.

**2017 points are from round 1*

Discover how to use this prospectus



Our 2018 prospectus contains a wealth of information about our courses and support available to you. Here is a quick guide to help you find the information you need.

Course guide

You will find a quick guide to our courses which will outline all our courses including titles, levels, awards, points, codes etc.

Explore our world

The first section of this prospectus will give you an overview on life at AIT. Students supports, student resources, programme information and fees are included in our applying to AIT and support network section. You'll find it all here so take your time and enjoy!

Finding your course

Our courses are split into three Faculties -

- Engineering & Informatics
- Business & Hospitality
- Science & Health

Within each faculty the courses are arranged by department. You will see the course listings by department at the introduction to each faculty. The following is a guide on how to follow and understand the information on each course page. Headings will change depending on the course...

- 1. Course title and quote** - Here you will find the course title and a relevant quote about the course itself.
- 2. Why take this course?** - A summary of why this is a good course to study.
- 3. What will I experience?** - A summary of how the course is delivered and what you can expect during study.
- 4. What job opportunities might it lead to?** - Contains information on the direction graduates can take on completion of the course.
- 5. What will I study?** - This section lists the subjects you will study in each year of the course.
- 6. Assessment Information** - This contains information on how the course will be assessed.
- 7. Course fact** - This contains an interesting fact about the course.
- 8. Work placement** - If there is work placement

attached to this course you will find information here.

9. Further Study - This section will provide information on your study options after graduating the course.

10. Career prospects - This section will provide information on what kind of career prospects are open to you after graduating from this course.

11. Course code/level/duration - This section displays the course CAO code, the qualification level and the duration.

12. CAO points/award - This section shows last years points for the course. It also shows the award you will receive on graduation.

13. Entry Requirements - You will find the requirements needed to enter the course.

14. QQI - Requirements for QQI applicants to a course.

15. Student testimonial - Testimonials from previous AIT graduates.

16. Contact details - Use these details to contact us if you have any questions.

Help

If you can't find the information you need in this prospectus you are welcome to contact us. We are available to discuss possible career options, any special needs or offer advice on accommodation or funding before applying. We are happy to help whatever way we can; just get in touch!

Email: askus@ait.ie

Scileanna Cócaireachta

Culinary Arts

1

" This course provided me with a platform to develop a range of kitchen and patisserie techniques, developing knowledge in food microbiology, diet and nutrition, food trends and gastronomy. It also enabled me to develop the business and people skills needed to become a successful manager within the industry".

Alan Smith, Advanced Certificate in Professional Cookery Graduate

2

Why take this Course?

If you have a strong passion and interest in food then this culinary arts course is for you. This course will appeal to students who want to take a career for themselves in the hospitality industry. The course is a very dynamic and hands on, which combines theory and practical subjects to equip you for the world of cooking. The hospitality industry is one that is evolving all the time and is very rewarding. This programme will prepare you as a professional chef in the tourism and hospitality sector.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international fieldtrips. In the last two years we have visited Italy, Spain, France, China and Dubai. Joining us in 2017? Then you could come on our next trip to Shanghai, in March 2018. Find out more about this course and our facilities by attending one of our regular open evenings where you can meet teaching staff and current students.

3

What will I experience?

- This programme teaches students how to cook, prepare and serve food.
- Each class will teach you specific skills, beginning with basic ingredient identification. Our culinary arts lecturers will help you train your senses, guiding you through an incredible range of tastes and flavours from herbs and condiments to vegetables and meats.
- Your progression will continue through the development of culinary techniques such as knife skills, cooking processes, pastry and baking, larder and restaurant service.
- Most of the culinary experience will be on classical French cuisine, however you will get to prepare food from around the world, including Spanish, Greek, Chinese, American and Italian cuisine.
- Your practical classes will be backed up with theory, for example, food safety and hygiene, menu planning and nutrition.

4

What job opportunities might it lead to?

- You could continue your studies and go on to study a BA in Culinary Arts and on to a BA Hons in Culinary Entrepreneurship and eventually a masters.
- You could also decide to study hotel management where you would be eligible to go into second year of the BA in Hotel and Leisure Management.
- In the culinary sector there are many job opportunities, such as working in hotels, restaurants, public houses, cruise ships or hospitals catering to name but a few.
- You may decide after a few years working in the industry that you want to open up your own business.

5

What will I study?

Year 1

The first year will introduce you to the main functions of business and provide you with firm foundations of culinary arts.

Core units in this year include:

- Culinary computer leadership
- Learning and development for higher education
- Culinary practice 1A & 1B
- Pastry and baking practice 1A & 1B
- Nutrition and menu planning
- Food preparation
- Food service
- Placement

In addition students are supported by a Year Tutor.

Year 2

Develop your understanding of the content from year one.

Core units in this year include:

- Culinary business management
- Modern gastronomy
- Global cuisine
- Culinary practice
- Environmental management and food safety
- Buffet presentation
- Classical and contemporary cuisine
- Pastry and baking practice

In addition students are supported by a Year Tutor.

6

Assessment Information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops and seminars to hands on practical therapy sessions and lab exercises. The course is taught by experienced lecturers with a track record of success in many sectors including the restaurant, hotel and food production industries. We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

7

Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.

8

Work Placement

There are work placement opportunities locally, nationally and internationally. We have excellent links with the following hotels and groups: The O'Sullivan Group (Sheraton Athlone, Hodson Bay, Galway Bay), Ballylin Denness, Mimosa's Carnies, the Wineport, Knockranny House Hotel Westport and many others, all over the world.

Students who opt to take a work placement overseas are usually eligible for Erasmus + funding to support their travel and subsistence costs. We support all students in obtaining a work placement and you will have support from the college while on placement. Placements are generally paid and take place in summer between your second and third years of study.

9

Further Study

Upon completion of the HC Culinary Arts, students who wish may progress to the add-on one year BA Culinary Arts. Upon completion of the B.A. Culinary Arts, students can then progress if they wish to the B.A. (Hons) Culinary Entrepreneurship. Both add-on courses can be taken on a full-time (1 year) or part-time basis (2 years).

10

Career Prospects

Students from the Department of Hospitality, Tourism and Leisure have worked in some of the country and the world's best hotels; including Ballylin House, Co. Laois, Ashford Castle, The Hilton, London, The Savoy, London, The Ritz Carlton, London, Adare Manor, The Shelbourne, Dromoland Castle.

Culinary Arts graduates are highly sought after in many sectors as they are experienced in all aspects of food production and service and have gained practical experience during their studies. The Restaurant Association of Ireland currently reports a huge national shortage in trained chefs, which puts culinary graduates in a strong position upon graduating.

11

Code - AL660

Level - 6

Duration - 2 Years

12

Cut Off CAO Points:
205

Median CAO Points:
290

Course Award:
Higher Certificate in Arts

Department:
Dept of Hospitality, Tourism & Leisure Studies

13

Minimum Entry Requirements:
Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. One of these subjects must be English.

14

QQI:
Any QQI level 5 qualification is acceptable.

15

Student Testimonial

"Lecturers are very good at seeing things from a students point of view and helping with assignments."

ISSE Survey, Culinary Arts student

16

Contact Us

Dr Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology
Tel: + 353 090 647 1894
Email: ajohnston@ait.ie

Higher Certificate in Arts in Culinary Arts

6





WELCOME TO OUR AWARD WINNING INSTITUTE OF TECHNOLOGY OF THE YEAR 2018



Welcome to the Athlone Institute of Technology undergraduate prospectus for 2018. This year our theme for the prospectus is "Explore our World – Discover Yours" and we are delighted that you have chosen to explore all that AIT has to offer you in your educational journey.

In October of this year we were awarded with the "Sunday Times Good University Guide, Institute of Technology of the Year, Winner 2018." Our Institute has moved up two places and has finished in its highest position in the league table this year to be in 8th, which is a significant achievement for us. Last year, AIT was awarded the "Sunday Times Good University Guide, Institute of Technology of the Year, Runner-Up 2017" and ranked in 10th place.

We have always been as ambitious for our Institution as we have been for each and every one of our students. This award is an important inflection point in our near 50 year history as we continue to further solidify our status as an academic centre of excellence.

AIT is a community of like-minded, driven, thought leaders. It is this sense of community that fuels the dynamism and energy you feel at AIT and what allows us to continuously match industry needs and consistently high student satisfaction so seamlessly. This award is a recognition towards the culture of innovation cultivated at AIT and a vindication of the hard work put in across the entire community, from the academic and support staff, to the student body.

The student experience was an important element in our win, with our reputation for openness and friendliness, all contribute to the quality of the student experience. This is attested by the engagement with the current Irish Survey of Student Engagement (ISSE). AIT's response rate continues to be the highest in the country by a considerable margin at 61% which is achieved via a partnership approach between the quality office, academic staff and the students union.

Our graduates also enjoy jobs success with over 93% of the graduate class of 2016 were either employed, in training or in further study 6 months after graduation, which is a further testament to AIT's innovative approach and close links with industry.

AIT has authority to award PhD's in the areas of Microbiology, Toxicology, Polymer Engineering, and Software ICT – enabling potential students to choose from an apprenticeship, higher certificate, degree right through to a PhD.

The portfolio of programmes at AIT are distinguished by a balanced provision with a strong practical focus and engagement on projects informed by industry, business and the wider community. We are committed to providing learners with a strong professional orientation through placements, internships and having an applied research focus.

AIT has a vibrant and modern campus with over €150 million invested in our campus since 2000, allowing us to combine excellence in teaching with cutting edge technology. Our sporting facilities are world class and we are the only campus that has a full suite of sporting facilities on one campus.

Our Institute is home to 6,000 students and more than 11% of the full time student population come from overseas, reflecting the globalised nature of its campus. The Institute's global focus is also evident in the 230 partnerships. Our campus and its community has over 62 different nationalities which are represented on campus through our population of 500 international and Erasmus students. We have worldwide linkages with third level institutes internationally, providing you with the option to study in our partner institutions in locations such as New York, Beijing, Prague and many more.

Our student recruitment team are here throughout the year to help you in any way, so if you want to talk to a member of faculty, experience a taster class or want a personalised tour of our campus, they are here for you - just email askus@ait.ie.

We are very proud of our award winning Institute and our achievement in winning the Sunday Times Good University Guide, Institute of Technology of the Year 2018.

Beir bua – seize success.

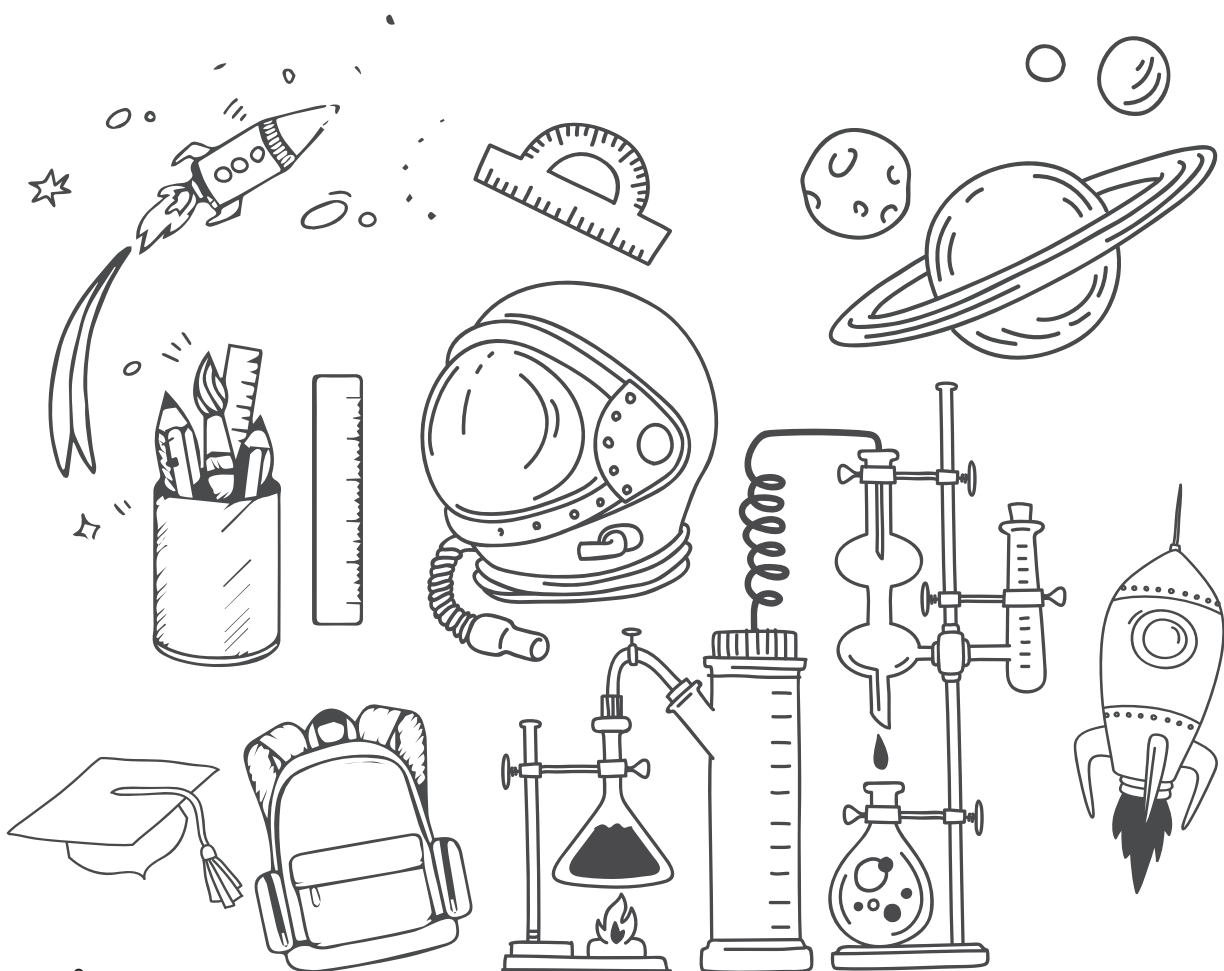
Professor Ciarán Ó Catháin
President

Explore our World

DISCOVER YOURS

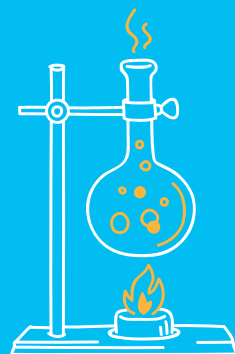
"The staff really care about us as students. They are interested in our well-being, and are always approachable – inside and outside the lecture hall."

The friendly nature of our campus is one of the things that students like most about AIT. We want you to do well, and that comes across in everything we do. So, whether it's in class or in the coffee dock, we're there for you. Dive in to explore our world and discover yours.



Guidance Counsellor Briefing

Tues 19th September 2017



Open Days

Fri 20th & Sat 21st October 2017



Ask AIT: CAO Information Evening

Tues 16th January 2018

Course Interactive Open Day

Sat 21st April 2018



New

Summer School

11th June- 15th June 2018

Visit us at **AIT.ie**



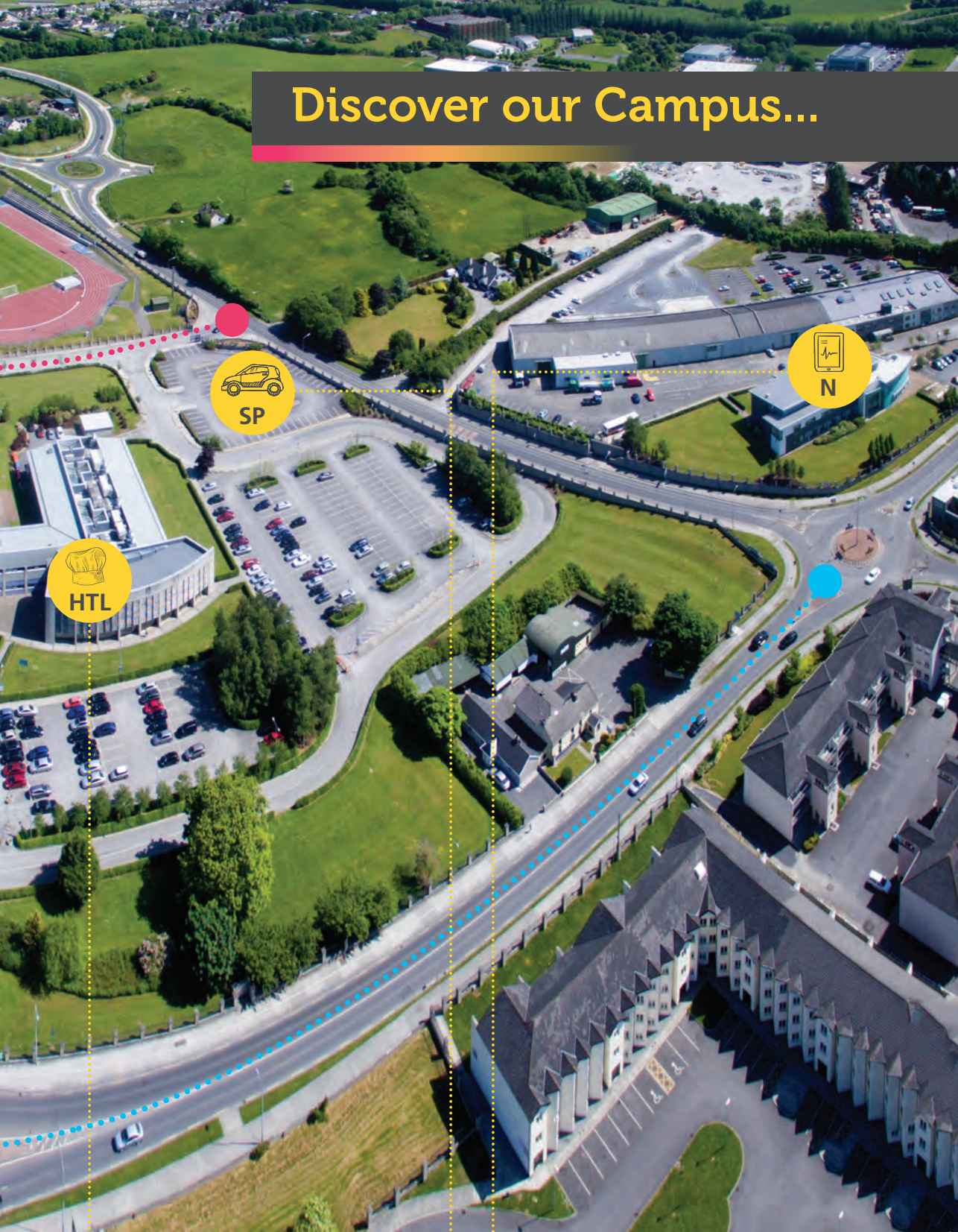
For more information or to book a school visit contact Daniel Seery dseery@ait.ie | 090 646 8136



- 1** Library
- 2** Engineering building
- 3** International arena
- 4** Main campus

- E** Main entrance
- SU** Students' union

Discover our Campus...



HTL

Hospitality, Tourism & Leisure building

SP

Student parking

N

Nursing building



Old Dublin Rd to Athlone Town Centre



Main campus entrances

The Sunday Times Good University Guide Institute of Technology of the Year 2018

“ Athlone has risen to its highest ranking in the Sunday Times Good University Guide league table this year, further eroding the traditional divide in league tables between the universities and institutes of technology
Alastair McCall, Editor of The Sunday Times Good University Guide ”



“Do not judge me by how many
got back up again”



Recognising our status as an academic centre of excellence

AIT has just been awarded the prestigious “Sunday Times Institute of Technology of the Year” 2018. We moved up the ranking and finished 8th this year, our highest ranking in the league table made up of Universities and Institutes.

AIT's strength in identifying areas of skills shortage and working with businesses to improve links between enterprise and academia, were among the reasons we were awarded the title.

Why Choose Us?...



52

Undergraduate programmes



2ND

Runner-up in 2017
institute of technology



230

Partnerships with
Institutes globally



150

Spent on the development
and modernization of
its campus.



**Affordable cost
of living**

The Average weekly
rent in Athlone €75.



**Easy access by
road and rail**

Just an hour from Dublin and
even less from Galway with an
excellent motorway network,
29 daily rail connections and
60 bus connections on 12
regional routes.



Centrally Located

AIT is situated in the heart
of Ireland making it easily
accessible from anywhere.



**NO
BRAINER**



Did you know?...

93%

of the graduate class of 2016 were employed, training or in further study 6 months after graduation.

87%

Our students say their academic experience is excellent. AIT's ISSE rate is the highest in Ireland at 87%.

62

AIT has 62 different nationalities on campus which gives our campus an amazing atmosphere.

EXA

PhD

Master

Bachelor

Level 6 & 7

Course level options

AIT offers programmes from higher certificate – level 6 , degree (level 7 & 8) , right through to PhD (level 10).



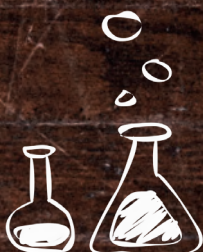
200+

programmes available
throughout the institute

AIT authority to award at PhD level in 4 areas



Microbiology



Toxicology



Polymer
engineering



Software ICT

AIT's research strategy is to focus our research efforts in a small number of strategic platform areas based on core competencies built up over the years within the institute, aligned with regional needs and national research priorities.

Graduate Survey...



93%

of our graduates are in
employment, training
or further study

A Snapshot Of 2016 AIT Graduate Employers



Pharma Medical
Manufacturing
Boston Scientific



Business, Finance,
and Insurance
AXA Insurance



Engineering
and Construction
Sisk Group



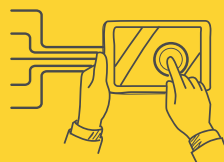
Health and Welfare
Blackrock Clinic



Hospitality and
Tourism
Aer Lingus



Manufacturing
Coca Cola



Information and
Communications
Technologies
Intel

98.1%

Of all 2016
graduates are
employed in
Ireland

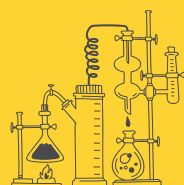
88%

engineering & informatics
graduates employed or
in further study



95%

science & health
graduates employed or
in further study



94%

business & hospitality
graduates employed or
in further study



Research focus & industry engagement...

€47million

CONFIRM Smart
Manufacturing project

€8.4million

Total research
funding for AIT
in 2016

3

Strategic research institutes

- Biosciences [BRI]
- Materials [MRI]
- Software [SRI]

Health & Science

Will soon be the 4th area added to the research institute



AIT is ranked 2nd nationally in the number of innovation vouchers completed with industry partners.

2nd

AIT is presently sitting in joint 4th position, tied with DCU in the national league table of innovation partnership projects.

4th

3 dedicated research centres

AIT has 3 centres where we engage with industry in applied research, design projects and services:

- Applied Polymer (APT)
- COMMAND Software Centre
- The Centre for Industry Services and Design (CISD)

MIRC

The MIRC (Midlands Innovation and Research Centre) is located on campus and is a hub for innovation, research and enterprise for entrepreneurs, start-ups and seed incubate and grow.

Student recruitment team

About us

The student recruitment team at AIT is here to let students know about the opportunities available to them at AIT. AIT runs 52 undergraduate programmes at higher certificate (level 6), ordinary degree (level 7) and honours degree (level 8) through the Central Applications Office (CAO), so there is lots for you to choose from. Our job is to help you with those choices, whether it's by talking directly to you, your parents or a school guidance counsellor.

We attend many information fairs around the country. Students at AIT come from all over Ireland, many from schools that we have visited. If you would like us to visit your school to advise students on our courses and give an insight into college and student life, then we'd be delighted to come. We will tailor our visit to your requirements, satisfying the interests of students, guidance counsellors and teachers alike. The student recruitment team organises campus tours for individuals and schools, open days and information sessions throughout the year.

Open Day

Friday 20th October – 10am to 2pm

Saturday 21st October – 10am to 1pm

We invite all prospective students to explore our Sunday Times Good University Guide Award Winning Campus on Friday, October 20 & Saturday October 21 from 10 to 2pm. This is a perfect opportunity to speak to our lecturers and student ambassadors about our 52 industry focused CAO courses. It also provides an opportunity to learn about our strong industry links to ensure excellent placement opportunities. Discover pioneering courses such as microbiology, animation & illustration and physical activity & health.

AIT has partnerships with 230 third level institutions around the world, which give AIT students an opportunity to spend a year abroad in cities as diverse as New York, Beijing and Prague. AIT is nationally and internationally regarded as a centre of excellence in academic and practical training.

Course Interactive Open Day

Saturday 21st April 2018

In April 2018, AIT will launch a brand new concept for the Spring Open Day. The Interactive Open Day will give prospective students, parents and guidance counsellors an opportunity to visit our campus on Saturday April 21st, with a new focus on learning and development games and activities.

The Student Recruitment Office has introduced this concept to give prospective students an opportunity to experience specific course modules, classroom experiences and teaching methods first hand. This will allow students to ask lecturing staff course-related questions.

There will also be a specific focus on careers. Prospective students and their parents will have an opportunity to meet with a range of professionals including engineers, accountants, graphic designers, hotel managers, marketers, scientists, and lots more. The course interactive open day event is open to students from transition year up to leaving certificate level.

Register for our Open Days at www.ait.ie/openday

Guidance counsellor briefing

Tuesday 19th September

A guidance counsellor lunch is taking place on Tuesday 19th September. The event will give guidance counsellors the opportunity to celebrate the new and exciting changes at AIT. They will get first-hand information from our registrar, admissions office and various faculty leaders and staff to learn more about AIT and all of the exciting changes that have taken place over the past few years and indeed our progression to becoming a Technological University. We are also taking the opportunity to highlight our high-quality academic programmes, our student orientated environment, strong sense of community and our admissions process.

Campus visits / TRY events

We will launch a series of TRY events over the 2017/18 academic year. TRY events will focus on particular courses. It aims to provide transition year and 5th year students with a gentle introduction to a specific subject area including a campus visit. It gives students the chance to see lecture theatres and laboratories, as well as the Institute's sporting facilities and social areas. For more information email dseery@ait.ie



MEET THE TEAM



Daniel Seery

Student Recruitment Officer

T: 090 646 8136

M: +353 86 1998858

E: dseery@ait.ie

Daniel supports West Ham United. That's all you need to know!

Dermot Judge

Graduate Ambassador

T: 090 646 8016

E: djudge@ait.ie

Dermot was born in Mullingar. He used to think it was a country!

Olivia Caulfield

Graduate Ambassador

T: 090 646 8015

E: ocaulfield@ait.ie

Olivia is a good communicator, and is obsessed with her 5 dogs!

Ask AIT @CAO information evening

Tuesday 16th January 2018

We are hosting a CAO Information Evening for school leavers, mature students and parents on Tuesday 16th January. The Information Evening will give prospective students and their parent an opportunity to speak to admission staff about the CAO application process. Students and Staff from the Faculty of Business & Hospitality, Engineering & Informatics and Science & Health will be present to offer their first-hand experience and advice. This evening affords an opportunity to learn about student supports at AIT; eg: DARE and sports scholarships.

AIT academic and support staff will also be on hand throughout the evening to answer questions about courses and studying in AIT.

School visits

Our student recruitment team are delighted to visit schools and colleges throughout Ireland and can provide either a 'General Overview' or a 'Tailored Talk'.

General overview

A General Overview presentation will focus on the Institute, its facilities, support services, sport, clubs and societies, international links and a brief summary of all our courses.

Tailored talk

Tailored talks will focus more on specific topics such as courses, student supports, placements, career opportunities, etc at the request of the guidance counsellor.

Discover Student Life



“

I really loved my experience at AIT. I felt at home
straight away and always had someone to turn
to when I needed help.

Lynsey Payne, Athlone

”

AIT is a vibrant and culturally diverse campus. Whether it is sport, nightlife or social events and activities, there is always something happening. We encourage everyone to get involved as much as they can. Indulge in your favourite hobby or your weirdest, nerdiest interests, and join one of our many social clubs, you can even create your own!

College life at AIT is not just about studying. Striking a good balance between work and play is one of the most important things you can do in life. Starting that habit in college will create a good platform for doing the same in your working life.

This is your life and your time. We will help you to make college the most exciting time of your life so far. We have a great support network that will assist you in every way, and make sure you feel part of the AIT community.



Immerse yourself in student life



New student induction

The Student Resource Centre has a programme of events lined up for all new students designed to help you to get to know fellow classmates and find out about key resources available to you. Core new student induction activities take place when you register on your first day and continue over the first few weeks of the semester and throughout your first year in AIT.

AIT Connect

Following new student induction at the start of term, a comprehensive 7 week programme of activities is offered to first year students to help them in their transition into third level. AIT Connect integrates professional services, Students' Union and academic home department activities to help you find your feet, meet new friends and settle into college life.

Clubs and societies

Want to meet new people and experience new things? One of the best ways of doing both is by joining one of our many clubs and societies. A wide variety of sporting interests are catered for – indoor and outdoor activities, team and solo sports, field and water-based. A wide range is also evident in our societies and you will get the opportunity to develop your interest in your area of study or in more leisurely pursuits. Students who wish to create a new club or society which is not yet catered for in AIT can do so by contacting the sports department or the students' union. We always welcome people with new ideas and interests who can add vibrancy to the AIT campus.

Sports club

AIT Athletics Club/Athletics Ireland Fit4Life, Archery, Athletics, Badminton, Basketball, Camogie, Canoeing, Indoor Cricket, Equestrian, Gaelic Football, Golf, Handball, Hill Walking, Hockey, Hurling, Futsal, Martial Arts, Kick Boxing,

Orienteering, Paintball, Poker, Rugby, Sailing, Snooker/ Pool, Soccer, Swimming, Table Tennis, Tag Rugby, Tennis, Volleyball.

Societies

Access Society, African Society, Anime Society, Applied Polymer Technology, Archery Society, Art Society, Asian Society, Bluegrass & Trad Society, Chess Society, Christian Union, Dance Society, Debating Society, Design Society, Gamers lounge, International Society, Law Society, League of Legends (Pc Game), LGBT Society, Mature Student Society, Medieval Society, Meditation, Movie Society, Networking Students AIT Society, Photography Society, Please Talk Society, Postgraduate Society, Radio Society, Simon Community, Table Top Gaming, Walking Society.

Activities

Pursue your passions or discover new ones with the huge range of activities AIT and Athlone have to offer.

- Athlone (European Town of Sport 2013) and AIT's sports facilities boast Olympic- and FIFA-standard facilities available to elite and recreational sportspeople.
- Athlone boasts a new purpose-built multi-disciplinary arts centre, Luan Gallery and the Abbey Road Studios.
- The River Shannon offers wonderful opportunities for sailing, rowing, swimming or touring. Take a Viking Cruise down this historic waterway, or enjoy Baysports Ireland's largest inflatable funpark.
- Bring your bike: explore the country and improve your physical, mental and emotional health by submerging yourself in the tranquil beauty of the 45 km Greenway cycle route.
- Bring your interests and creativity: if your interest isn't currently represented in our huge array of clubs and societies at AIT we'll support you to set up and run your own club or society.



Nightlife

Make friends for life while enjoying the safe, affordable and diverse nightlife that Athlone has to offer. Lonely Planet describes Athlone as “one of Ireland’s most vibrant towns”. The town has a bustling pub scene, including the world-famous Sean’s Bar, which claims to be the oldest pub in Ireland. There are nightclubs, snug locals for a quiet drink with friends, bustling sports bars and restaurants of every description.

There are plenty of alternatives to the pub – the Students Union and the various clubs and societies can always be relied upon to supplement the already busy nightlife with special events, mixers, weekend events, festivals and more. Cinema, art exhibitions, river cruises and theatre also add hugely to the mix of fun and affordable social life enjoyed by AIT students away from home.

Culture & history

With over 6,000 students and 65 different nationalities represented, you will enter a cultural melting pot. As such, cultural activities abound on campus, and off-campus you’ll find three theatres, a multi-disciplinary art centre, and the world famous annual RTE All-Ireland Drama Festival.

Affordable accommodation

High-quality, affordable accommodation and excellent transport links make Athlone a great choice for student living, given the rising cost of living in bigger cities in Ireland.

Campus Resources

"The library is such a great facility. There is a range of multimedia resources and books and journals are available both physically and online which makes essay writing and project work far more manageable"

Hannah George, civil engineering graduate.

Healthy campus

Health promotion is the process of enabling people to increase control over, and to improve their health. The Healthy Campus initiative aims to support students to reach their full potential by providing non-judgemental and up-to-date information in order to help them make informed decisions.

Looking after your health is as important as your academic achievements. Healthy campus provides information and direction on all aspects of health. It also offers a number of programmes and workshops throughout the year. All events and workshops are advertised via the healthy campus office, students' union, email, Facebook and Moodle.

AIT library

The library at AIT is a modern, engaging, comfortable space for studying, researching and learning. Recently fully refurbished, it offers access to print and electronic information, as well as study facilities, together with books, journals, exam papers, magazines and daily newspapers on subjects relevant to AIT students, staff and researchers.

The library also provides 24-hour access to online information, as well as advice and help on all information queries. In addition to individual reading and study spaces, the library also comprises a number of group study rooms, where student teams can work together in a comfortable and quiet environment.

The library collection consists of over 110,000 print and e-books, 72,000 electronic journals and e-material searchable via the library's website. The journal collection includes top ranked journals such as *Science*, *Harvard Business Review*, *Computers and Graphics*, and many more.

The library also has a team of subject librarians to help develop students' information and research skills to improve their ability to find the variety of resources relevant to their assignments. Skills covered include: identifying information needs and learning how to find, evaluate and effectively use the information across a range of sources and technologies.





Affordable student accommodation

While AIT has no on-campus accommodation the Students' Union maintains a list of houses, digs and apartments in the vicinity of the campus. All accommodation listed is quality checked by the Students' Union Accommodation Officer. If you have any questions you can make contact with the Students' Union on 0906468067 or email aitsu@ait.ie.

According to the Q2 2015 Daft.ie rental report, Athlone offers some of the best value student accommodation in Ireland. Average monthly rent in Westmeath costs €621, 25% cheaper than Galway city and less than half the cost of renting in Dublin.
Further information is available on www.aitsu.ie.

Catering facilities

There are five locations across the campus where you can refuel, so whether it's a wholesome meal, fresh made to order sandwich or Barista made speciality coffee it's never too far away. The food court in the main building offers the most extensive variety with over seven hot options every day to choose from. The cafes in the engineering building and nursing building offer less variety but plenty of healthy options. Each outlet offers great value for money with all products competitively priced. Payment couldn't be easier as we accept cash or you can top-up your student card and use it to pay in all locations.

A new addition this year is the Grumpy Mule coffee outlet located near the library offering a range of hot and iced beverages. All coffee served in AIT is 100% Fairtrade.





by awarding of the
PRESIDENT



Athlone Institute of Technology
SCHOLARSHIPS of EXCELLENCE

500 +POINTS

AIT celebrates its incoming first year students through our Scholarship of Excellence Programme.

This is in recognition of the 500+ points they achieved in their leaving certificate examinations.

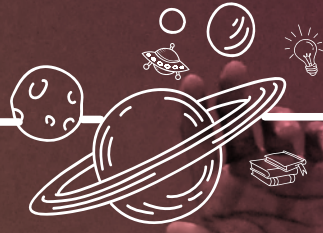


Scholarships aim to congratulate students on their academic endeavour to show that we support them in their journey.

Scholarships are awarded to entrants on full-time undergraduate programmes at higher certificate (level 6) Ordinary Degree (level 7) or Hons Degree (level 8) programmes.



Discover Sport



“

The Athlone crowd are amazing, they are really supportive. I felt the buzz, power and energy from the crowd. Athletes love that.

Mutaz Barshim, World Champion 2017, after breaking the Asian High Jump Record at the AIT International Grand Prix

”



98 sports scholarships were awarded in 2016/17 for students who reached, or have the potential to reach, a very high standard of performance in their chosen sport.

Sport & physical activity is central to life at AIT. We firmly believe that active membership in a sporting club has a positive and enhancing effect on students, affording you opportunities to represent the institute nationally, and in some instances to represent the institute and Ireland in overseas competitions. However, you do not need to aspire to such lofty sporting achievements, most of our participants are involved for fun and health reasons.

Last year, AIT teams and individuals achieved success in a wide variety of codes and competitions. Here's a taster of how they got on:

AIT Team Success 2016/17

Rugby ~ SSI All Ireland Women's Division 2 Cup, this was our first success in this competition and it means we will compete in Division 1 next year for the first time. AIT also hosted the Student Sport Ireland IRFU All-Ireland Colleges Rugby Finals in 2017. The success of this hosting was in no small part thanks to our students. For the first time ever, the finals were 'live streamed' and highlights were shown on Eir Sport 1. Our Men's Rugby 7's team finished off the academic year with success in the All-Ireland Colleges 7's competition hosted at DCU. Jason Lyons and David Brookes both represented the Irish Colleges soccer team in international fixtures versus France, Scotland and the versus the Irish Amateur team. Both were then selected for

the Irish World Student Games team that travelled to Tapei.

Dylan Potter won two silver medals at the European powerlifting championships and boxer Kenneth Okungbowa won a bronze at the World University Championships in Thailand.

AIT Women's Volleyball had a superb season by defeating Trinity College Dublin in the final. Our men were unluckily beaten by UCD in their final. Ladies Gaelic Football first team won Division 2 of the league but suffered defeat in the Giles Cup Final. Our second string had a fabulous season but just missed out on silverware.

Our Men's Cross Country team won bronze, at the IUAA championships. This is the 4th straight year the men have got medals at these championships. Liam Brady won individual gold for the second time. Men's basketball - for the second time an institute team was entered into the local Shannonside League playing 14 games against teams from Donegal, Sligo, Leitrim, and Longford. The team finished the season in the top four playoffs.

Such sporting success is built upon the excellent indoor and outdoor facilities, as well as the established coaching/team management system, which is implemented by full-time physical education and recreation officers, with the assistance of part-time coaching staff and the students' sports representative.



AIT sports scholarship and elite sportsperson entry schemes

AIT sports scholarships

AIT has operated a sports scholarship scheme since 1996 for students who have reached, or have the potential to reach, a very high standard of performance in their chosen sport.

Under the scheme, 98 scholarships were awarded for the 2016-2017 academic year. The Scholarship now operates on two levels. A Gold Scholarship includes a payment of €1,000, in addition to free use of our sports facilities, physical therapy, functional screening assessments, cookery demonstrations, academic support, nutritional advice and sports psychology. An Academy level scholarship does not include a cash payment but includes each of the supports listed above.

Each scholarship is awarded for a period of one year, but may be renewed for up to a maximum of four years. Students pursuing higher study after the four-year threshold will be considered for additional years.

The first scholarship payment will be made in December to those fulfilling the conditions of award. The second payment comes after the recipients have completed and passed all their final examinations. Sports scholarship recipients must adhere to the institute's sports scholarship regulations, a copy of which may be obtained from the Sports Department.

The closing date for applications is Monday 2 April 2018. Further details of the scheme may be obtained from your local school/college or directly from the Sports Department on + 353 (0)90 6468222 or email; sport@ait.ie

AIT elite sportsperson entry scheme

AIT has put in place for all its undergraduate degree courses an academic entrance scheme for elite sportspersons. A number of places will be reserved for outstanding candidates who have reached a very high standard of sporting achievement through performance or coaching, and who are committed to further developing their sporting and academic careers.

Applicants must satisfy the minimum entry requirements for level 7 and/or level 8 degrees at the institute. In addition, applicants must have reached a specified sports standard to be eligible for this very competitive scheme and selection of successful candidates will be based on a range of criteria, including sporting achievements.

The closing date for applications is Monday 1st May 2018. Get further details of the Elite Entry Scheme directly from the Admission Officer on + 353 (0) 646 8130.



Visit www.aitsport.ie for further details and application forms



Vicky Harris



Kieran Martin



Jordan Conroy

Recent AIT scholarship recipients



Cryopods at AIT



IAAF-approved 200 m track

AIT's elite sporting facilities on campus

AIT has an extensive array of sporting facilities located on campus. The AIT International Arena comprises an:

- IAAF-approved indoor 200m track
- 60 m sprint track
- Long jump
- Pole vault
- Shot putt and high jump areas

The institute also uses a demountable floor, which allows for a wide variety of other sports to be played on the infield area of the arena, such as futsal.

The new AIT gym opened in September 2015.

It features the latest in state-of-the-art equipment and expert trainers; it has a group exercise studio, indoor cycling studio and a high performance training area.

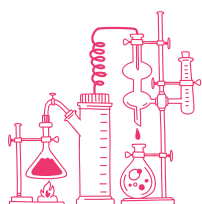
The equipment for the recovery and rehabilitation facility uses the very latest technology and is an enormous boost to the elite athlete infrastructure on-campus.

The various items of equipment will be utilised as follows:

- Cryopods are the latest techniques used by athletes to enhance recovery after exercise. These units use liquid nitrogen to reduce body temperature.
- AlterG treadmills allow people recovering from lower limb injury to maintain aerobic fitness and offer a unique way to de-load the body using anti-gravity. Their main use is in rehabilitation, but they can also be used to improve sports performance.

AIT outdoor facilities

- Full-size sand-based GAA pitch (floodlit)
- Full-size FIFA-approved 2-star international standard all-weather soccer pitch (floodlit)
- Sand-based multi-sport grass training field which can accommodate rugby, soccer and GAA training (floodlit)
- Eight-lane IAAF-approved outdoor athletics track which also features a full-size international dimension soccer pitch in the infield area (floodlit)
- 2km cross country trail (floodlit).



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Sport in numbers

AIT is renowned for its sporting participation, achievements and facilities. It's a huge part of who we are and what we do. Last year alone we had almost 900 students participating in 16 different sports.





Sports profile

Name: Jordon Conroy

COURSE: Social Care

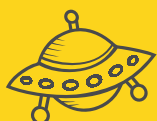
SPORT: Rugby

Scholarship recipient



AIT Rugby Scholarship student Jordan Conroy and his Irish 7's colleagues reached the Semi Final of the 2017 Exeter 7's competition. A quarter-final win over England gave the Irish team enough qualification points to earn a place in next year's World 7's Tournament. Conroy, a Social Studies student at AIT, had scored eleven tries from the previous three rounds of the Rugby Europe Sevens Grand Prix Series and added an impressive six more tries in Exeter. The team narrowly lost in the semi-final against Wales but Conroy managed to score in every game of the fourth round series as he scored tries versus Portugal, Belgium, France (2), England and Wales.

He plays his club rugby with Buccaneers RFC in the fifteen-a-side game and again he was a major part of the success that his club achieved this past season. He played the 2016-17 season with Buccaneers RFC in Division 1B of the AIL, scoring 18 tries. He helped Buccaneers gain promotion to Division 1A for the 2017-18 season. He was also named the 2016-17 Connacht Club Player of the Year and AIL Division 1B player of the year. He also competed for the Connacht Eagles in the British and Irish Cup this season.



“

The International Arena at Athlone Institute of Technology is the best news story in Irish Athletics history. My only disappointment is that I will never get a chance to break a world indoor mile record on its magnificent 200-metre oval track.

Senator Eamonn Coghlan

”

World class facilities

AIT's International Arena opened in 2013 to widespread acclaim. In the period since then, the track has established a reputation as being fast, with national and international records being broken on its boards.

The arena boasts an IAAF-approved 200m track, 60m sprint track as well as, long jump, pole vault, shot putt and high jump areas. The arena also houses a state-of-the-art gym and studios. It is home to a Sports Science Lab which includes an Alter G Anti-Gravity treadmill and the latest cryotherapy pods incorporating the latest cryotechnology.

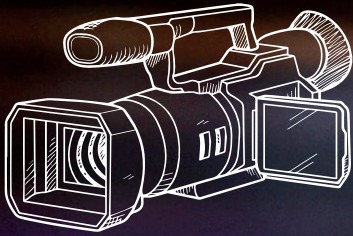
Each spring, the institute hosts the AIT International Grand Prix, featuring the cream of Irish and international athletics talent. Amongst the international big names to perform in AIT to date were: Shawn Barber, Carmelita Jeter, Ashton Eaton, Brianne Thiessen Eaton and Sally Pearson.

Additional facilities on campus include GAA pitches and a multipurpose sports hall which contains a basketball court, four badminton courts, two volleyball courts and a futsal floor.

The outdoor facilities include a full-size GAA pitch (floodlit), a full-size FIFA-approved 2-star international standard all-weather soccer pitch (floodlit) and a multi-sport grass training field which can accommodate rugby, soccer and gaelic games. Students at AIT can also train on an eight-lane IAAF-approved synthetic athletics track. Students may also avail of various other local facilities. The Athlone Regional Sports Centre has a 25m swimming pool, sauna and steam room, jacuzzi and fitness gym.

AIT International Grand Prix

The AIT International Grand Prix takes place each February in our International Arena. The event attracts some of the top names in world, European and Irish athletics. Each year, sold-out crowds witness world-class athletics, including European records, stadium records and personal bests to match any athletics event in the country.



TV Viewers

50,000

FOX Sports Europe & Africa

91,000

TG4 & Eir Sports

9,000

Online streams

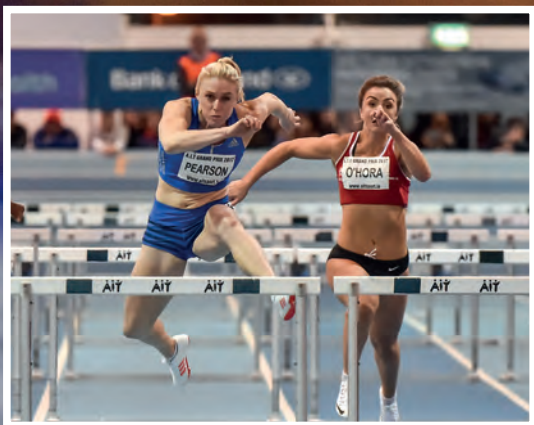
Recent stars of the AIT Grand Prix



Mutaz Essa Barshim

*2017 World High Jump Champion,
Competed at the 2015 AIT Grand Prix.*

Barshim won a gold medal at the 2017 World Championships in Athletics, a silver medal at the 2016 Summer Olympics in Rio de Janeiro and a bronze medal at the 2012 Summer Olympics in London. He broke the Asian high jump record at the 2015 AIT International Grand Prix.



Sally Pearson

*2017 World 100 Metres Hurdles Champion,
Competed at the 2017 AIT Grand Prix.*

Pearson is the 2011 and 2017 World champion and 2012 Olympic champion in the 100m hurdles. She also won a silver medal in the 100m hurdles at the 2008 Summer Olympics and the 2013 World Championships.



Sam Kendricks

*2017 World Pole Vault Champion,
Competed at the 2017 AIT Grand Prix.*

Kendricks is the 2014, 2015 US Indoor National Champion, 2015 US National Champion, 2016 US Indoor National Champion, 2016 US National Champion while setting the US Olympic Trials pole vault record [2] and the 2017 World Champion.



Tianna Bartoletta

*Current Olympic Champion In 4 X 100M
Relay And The Long Jump*

Bartoletta is a two-time Olympian with three gold medals. Other achievements include winning the long jump World Championship in 2005 and 2015, plus the long jump World Indoor Championship in 2006. She also was a pusher on the U.S. bobsled team in 2012.

AIT sports gym



David and Sinead



Orla and Dora

The AIT sports gym and studio opened in September 2015. The facility has a dedicated team of qualified instructors who will provide you with excellent guidance, advice and comprehensive fitness programmes to match your fitness level, from complete beginners to elite athletes.

The gym boasts over 70 diverse workout stations. The top specification techno-gym equipment will ensure your workout is safe and effective. The cardio machines are just like a tablet and allow you to manage your training, access your favourite websites or watch your favourite TV programmes, access your social networks and connect and charge your smartphone. We have a wide range of both plate-loaded and traditional strength equipment, and an extensive weights area. For cycling enthusiasts, we have a selection of the best bikes on the market including the Watt Bike, Keiser M3 and Airdyne.

Membership also includes access to over 20 group exercise classes each week and scheduled access to run on the IAAF indoor 200m track downstairs in the International Arena.

Indoor cycling studio

The fully air-conditioned indoor cycling studio has over 20 bikes and one committed instructor to put you through your paces. The body connect bikes are high quality with direct force measurement. The console shows watt output, cadence, heart rate and calorie expenditure, giving you immediate and valuable feedback on the intensity of your workout.

Group exercise studio

Our spacious fully air-conditioned group exercise studio is equipped to provide an extensive range of fitness classes. We understand that working out as a member of a group can be fun and rewarding. There are over 20 classes each week for members to choose from, and we guarantee a comfortable environment, integrated sound system and an instructor who is passionate about the class they are teaching.

Changing rooms

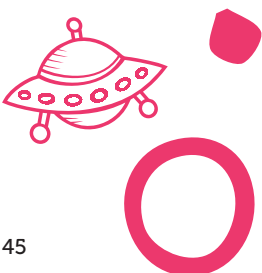
Male and female gym members have exclusive access to the changing rooms. Modern and clean changing rooms include showers, hair dryers and lockers.

High performance training area

This state-of-the-art high performance training area has some of the best equipment that money can buy and will easily cater for a squad of up to 30 members. This world-class facility is available for hire with or without our qualified strength and conditioning instructors. With five elite power cages, elite reverse hyper and an extensive free weights area, you have to see it to believe it.

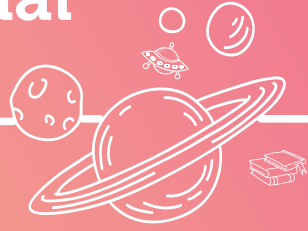
Student membership

As a student at AIT, you are entitled to become a member of the gym for a very competitive rate. Alternatively, you can use the facility on a pay-as-you-go basis.





Discover international opportunities



“

My time at AIT was a formative experience.

**The lectures were highly creative and interesting
and taught me to look at problems in different ways,
something I've taken into my working life.**

Wang Yucheng

”

Athlone Institute of Technology offers a truly international education experience.

Partnership arrangements exist with more than 230 leading universities all around the world ranging from China, Malaysia, Canada, the US and Europe. All offer our students the prospect of studying overseas for a semester or a full year.

International office

AIT has a dedicated International Office which provides:

- information and support to international applicants prior to their arrival, as well as induction events for international students registered with the institute;
- assistance to international students, in the areas of accommodation, welfare, academic and social life;
- assistance to AIT students with international ambitions, in the area of finding placements, long-term employment and exchange programmes;
- information for prospective international students.

Further details on the work of the International Office may be obtained from: Mary Simpson, Director of International Relations, Email: international@ait.ie.

International (non-EU) applicants

The institute welcomes applications from international students. Applicants from non-EU countries must satisfy AIT with regard to their eligibility for courses and must demonstrate the required level of competence in the English language (IELTS 6 or equivalent). Certified transcripts and English language translations of qualifications not issued in English must be furnished with the application. At the time of registration, applicants from non-EU countries must have a valid visa for the duration of the course which they wish to undertake.

Applicants from non-EU countries must apply directly to the International Office at the institute on or before 1 May 2018. Application forms and procedures are available from www.ait.ie.

Certificate in English for academic studies for international (non-EU) applicants

This is a one-year, full-time course designed for international (non-EU) students who wish to subsequently pursue an undergraduate course at the institute. The programme provides successful participants with an understanding of English usage, computing, basic technology, engineering and business.

Summer school programme in Irish cultural studies

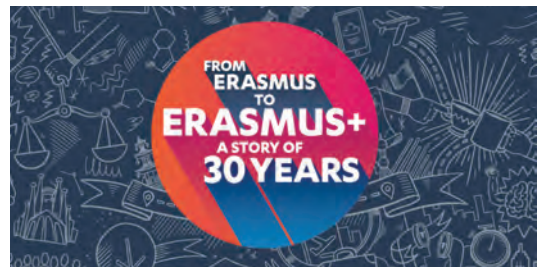
This is a three-week study abroad programme (June/ July 2018) for international students. The aim of this programme is to provide participants with an introduction to Irish history, culture, politics and society. Through lectures, tours, discussion and reading, the programme provides an outline analysis of the principal phases of historic settlement in Ireland.

The objectives of this programme are:

- to outline the events leading to the emergence of modern Ireland, to analyse the ideas and forces that shape its character
- to offer an analysis of the recent development of the Irish economy and the consequent transformation of Irish society
- to expose participants to Irish culture, including literature, theatre, visual arts, Irish language, music, dance, sport, food and drink.

There is a fee payable for participation in this programme, which includes tuition plus excursions. Accommodation and expenses associated with cost of living are not included.

Further details (and application forms) may be obtained from the website: www.ait.ie, phone +353 (0)90 646 8272 and email: international@ait.ie.



Erasmus

AIT is a participating higher education institution in Erasmus+ and has been awarded an Erasmus Charter for Higher Education 2014-2020 by the European Commission where they commit to support, facilitate and recognise your mobility activities.

If you are interested in undertaking an Erasmus+ experience, contact:

Jackie Cunnane, Erasmus coordinator at AIT.

Email: jcunnane@ait.ie

Phone: +353 (0)90 647 1818.



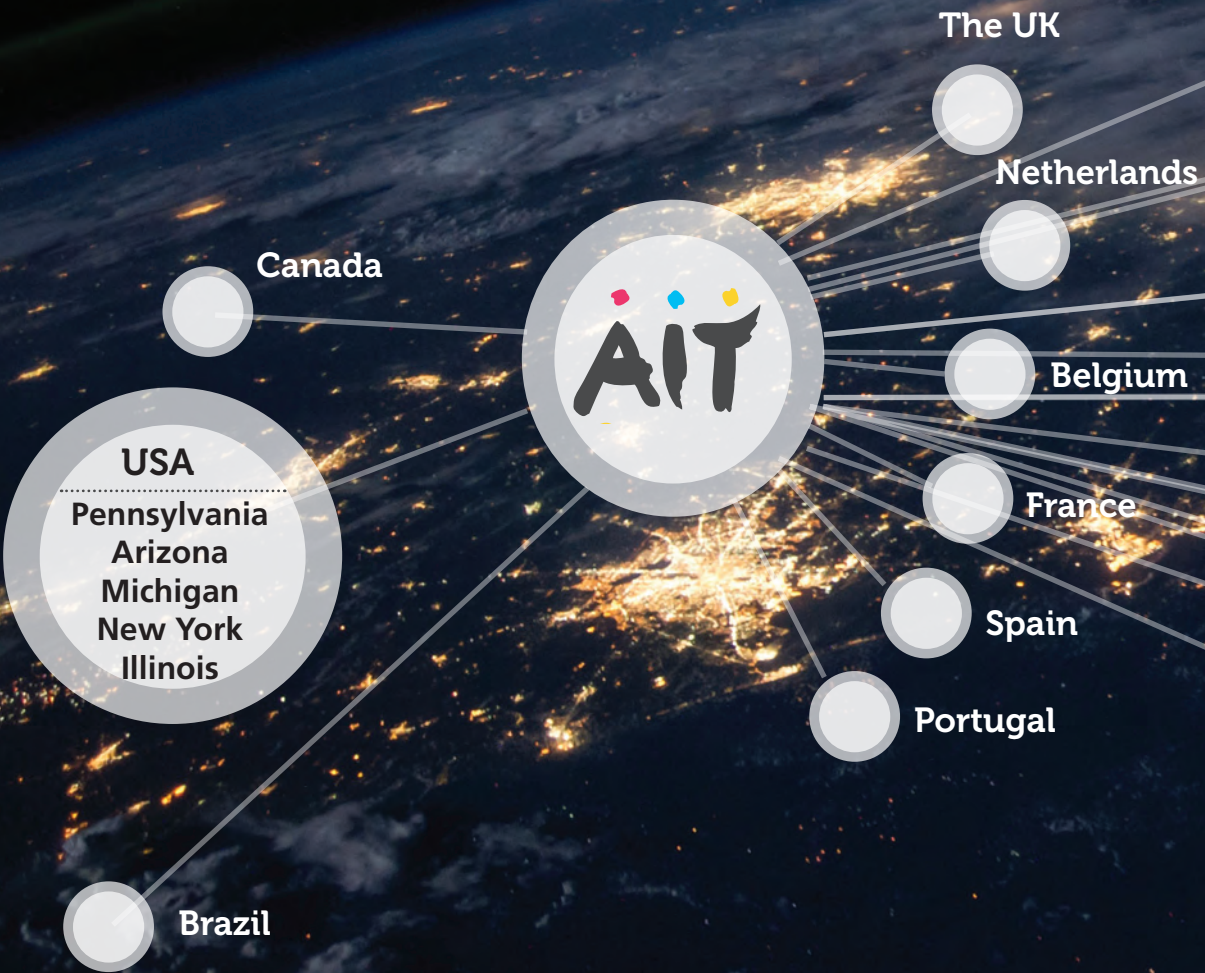
AIT students and staff celebrating 30 years of Erasmus

Educational passport

Let your education open up the world to you

AIT's 230 partnerships signed with universities and research institutes around the world.

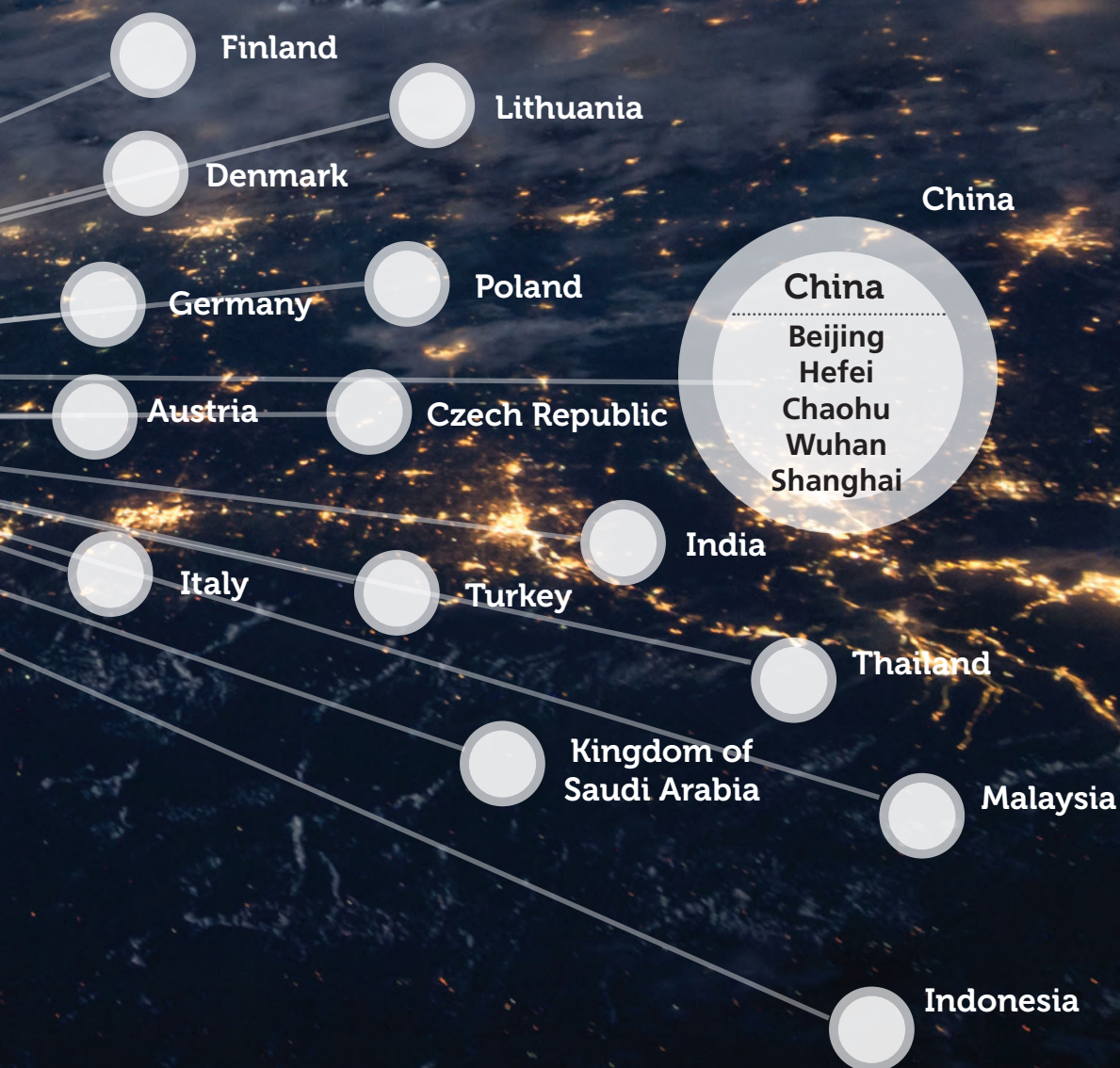
AIT encourages all of its students to avail of their educational passport and study abroad for a semester or full year.





11%

of the full-time student
population come from overseas,
reflecting the globalised nature
of our Campus





Students enjoying last year's Brazilian carnival in the Students' Union.



International graduate profile



Name: Chandna Sharma

COURSE: Software Engineering

NATIONALITY: India

GRADUATED: 2017

“ I learned to voice my questions to clear any doubts I might have, be it socially or in the classroom ”

Tell us a little about yourself and why you chose to study at Athlone IT.

I grew up in India and completed all my schooling there until I came to Ireland for university. I participated in a lot of sports activities while I was a student in India, such as roller skating, karate, badminton and swimming.

I decided to study in Ireland because my uncle had been living there for 16 years. He advised me to pursue my higher studies in Ireland and specifically at Athlone IT because he knew it was a great college with amazing staff, excellent reviews, many student services, and a wide choice of classes.

What are you studying at Athlone IT?

In high school, I had a keen interest in electronics and physics, which is why I decided to pursue a degree in Electronics & Wireless Communications through the Athlone School of Engineering. While studying this, I developed a love for software and programming which is why I undertook a second major in Software.

What were your first impressions of Athlone Institute of Technology?

One of the first things I noticed was that the campus was very big, clean, and nicely designed. All of the classrooms are very well maintained with state-of-the-art technology, and the canteen is huge with many different varieties of food on offer.

Did you have any problems adjusting to life in Ireland or at Athlone IT?

Yes, I did have some problems getting used to college life here in Ireland. At first, I had difficulty communicating in English and I suffered from homesickness. I am a bit shy, so getting to know new people was difficult for me. I also held a part-time job, so I had to learn how to manage my studies and work in an efficient manner. I overcame all these problems with the help of some of my lecturers and the International Office staff. They always motivated and helped me with any hurdles and issues I faced.

Tell us a little about your experience as an international student at Athlone IT?

AIT is located in a town called Athlone, right in the centre of Ireland. It is very close to the major

cities of Dublin and Galway and it has great public transportation networks and motorway links. I took advantage of this by making a point of exploring different cities around the country on the weekends. Also, the International Office organized many trips across Ireland for international students to enjoy.

The town of Athlone has very nice shopping centres and it is next to the beautiful River Shannon, where people go to relax, play sports, and explore nature. Athlone is home to the famous Athlone Castle, the multi-million euro contemporary Luan Art Gallery, the renowned monastery of Clonmacnoise, and Ireland's oldest bar - Sean's Bar.

What would you say to international students who are considering studying at Athlone Institute of Technology?

I would say if you are thinking about applying to schools in Ireland, then definitely go for AIT! The faculty and staff are incredibly nice and helpful – they make you feel comfortable in your new environment. They give students personal time to help them with their classes, ensure you are doing well at college, and they will also expose you all the facilities and services on campus that students can avail.

How has Athlone Institute of Technology prepared you for life after college?

My experience at AIT has helped me overcome my shyness – the International Office staff arranged a meeting with a lovely local student to help me integrate in my new Irish home. I learned to voice my questions to clear any doubts I may have, be it socially or in the classroom. As far as education goes, my lecturers were all excellent and I am confident that I understood all the concepts taught to me and that I will be a successful engineer in the future.

What are you doing since you graduated from AIT?

My job title is QA Intern. The name of the company is Fenargo based in Dublin. Fenargo is a fin-tech company which provides client on-boarding and life cycle management software to financial institutes. My studies at AIT has prepared me for this new work environment and it is an exciting time for me as I begin my fulltime working life.

Discover Athlone & the Midlands



Situated in the heart of the midlands, on the banks of the River Shannon, Athlone is an energetic and culturally vibrant place to live. With a bustling nightlife, and located just over an hour from Dublin, Athlone is a hidden gem at the centre of everything.

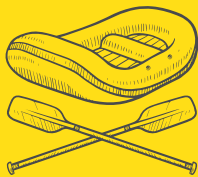
“

Athlone is a really lovely town, with something for everyone. Along with the big-name shops there are some really funky boutiques. There are lots of cafés and eateries to choose from, and the river and lakes are great for water sports”

Emma Hanly, Pharmaceutical Science Student

”

Explore a world of fun and activities



Wet & wild

Whether you enjoy a long easy cruise or a white-knuckle powerboat ride, kayaking among the islands or sailing with the Vikings, Athlone makes the most of its location by the river, including Ireland's largest inflatable waterpark - Baysports.



Europe's oldest bar

When you walk into Sean's Bar in Athlone, the oldest pub in Europe, you join the uncountable number of visitors who have been stopping here for a drink, a chat and maybe a bit of music for more than a thousand years.



Culture & history

Athlone is steeped in history. As well as being the perfect base to explore Ireland's Ancient East, discover hidden gems with phenomenal stories from Ireland's richest monastic site to fables and folklore of years gone by.



Cinema

With 6 screens, IMC Cinema in Athlone's Golden Island Shopping Centre is the place to catch all the latest releases. It's open from 2 p.m. on weekdays and from 12 noon at the weekends. Pop in, grab some popcorn and lose yourself in the movies.



Shopping

From the best high-street brands to stylish boutiques with unique and individual pieces, Athlone boasts two shopping centres along with a great choice of local shops.



Treks & trails

Whether you want to hear peaceful whispers of the wind and water lapping on the shores of the Shannon or feeling more energetic and fancy a cycle on the Greenway, enjoy the fresh air and explore Athlone's treks and trails.

Explore Athlone





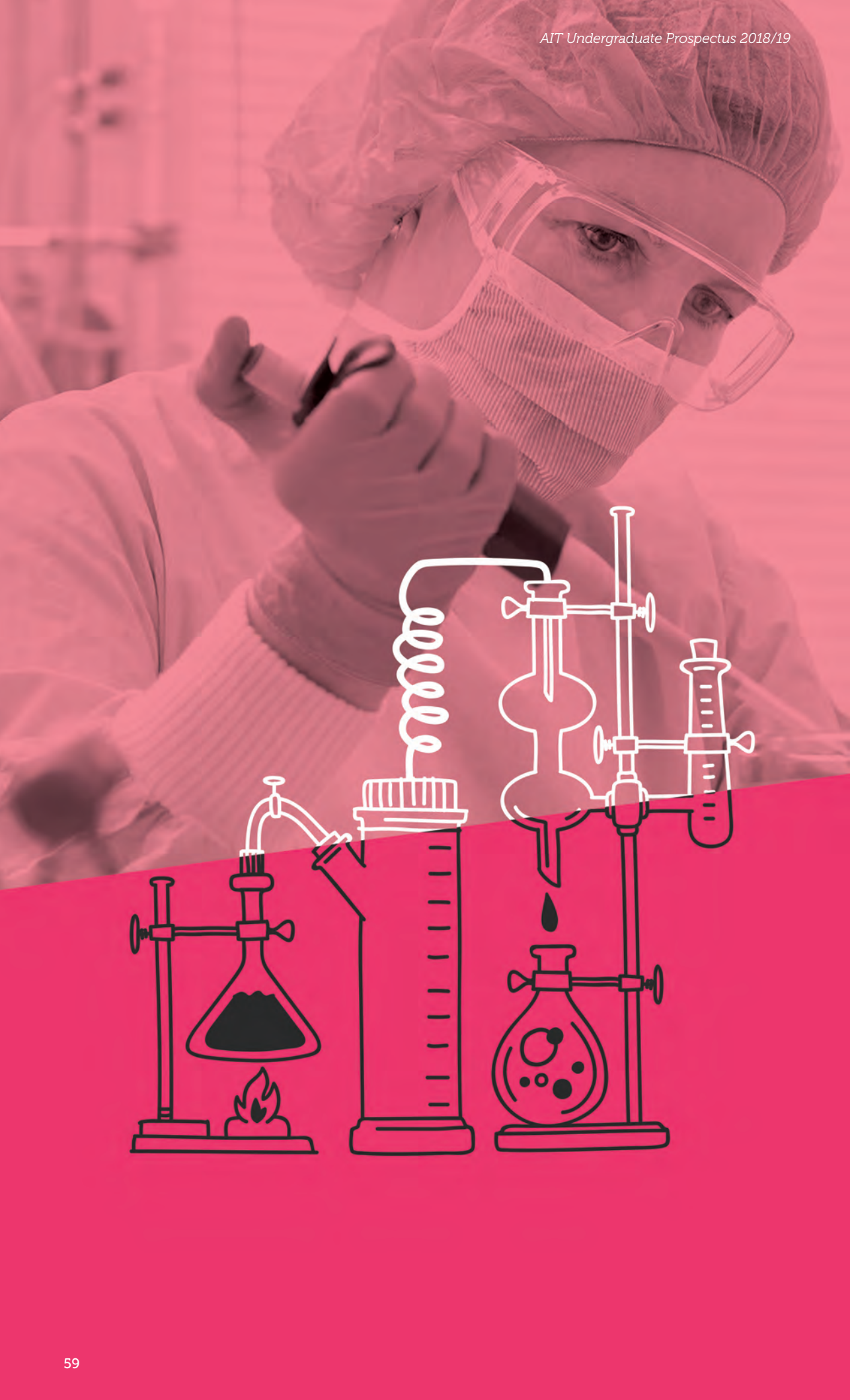
Undergraduate Programmes 2018/19





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Faculty of Science & Health

AIT's Faculty of Science and Health is composed of five departments over two campuses. The programmes on offer within the Faculty of Science and Health are delivered by a team of over 100 highly qualified academic staff members.

Science & Health Programmes

Dean of Faculty
Dr Don Faller
Email: dfaller@ait.ie
Tel: +353 (0)90 6442587



www.ait.ie/faculties/faculty-of-science-and-health/

Nursing & Healthcare

AL830	Bachelor of Science (Hons) Nursing in General Nursing	65
AL832	Bachelor of Science (Hons) Nursing in Psychiatric Nursing	67
AL630	Higher Certificate in Science Pharmacy Technician	69
Add-on	Bachelor of Science - Pharmacy Technician	71
AL631	Higher Certificate in Science in Dental Nursing	73
Add-on	Bachelor of Science in Dental Practice Management with Oral Health Promotion	75

Social Science

AL870	Bachelor of Science (Hons) Applied Psychology	77
AL860	Bachelor of Arts (Hons) Social Care Practice	79
AL764	Bachelor of Arts Early Years' Care and Education	81
Add-on	Bachelor of Arts (Hons) in Early Years' Care and Education	85
AL765	Bachelor of Arts Applied Social Studies in Social Care	87
Add-on	Bachelor of Arts (Hons) Applied Social Studies in Social Care	89

Design

AL862	Bachelor of Arts (Hons) Design Technology & Innovation	91
AL861	Bachelor of Arts (Hons) Animation and Illustration	93
AL763	Bachelor of Arts Graphic Design	97
Add-on	Bachelor of Arts (Hons) in Graphic and Digital Design	99

Sport & Health Sciences

AL836	Bachelor of Science (Hons) Health Science with Nutrition	101
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Life & Physical Sciences

AL838	Bachelor of Science (Hons) Biotechnology	109
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Graduate profile



Name: Aisling Gately, RGN

Course: General Nursing - AL830

Company: Regional Hospital, Mullingar

Role: General Nurse



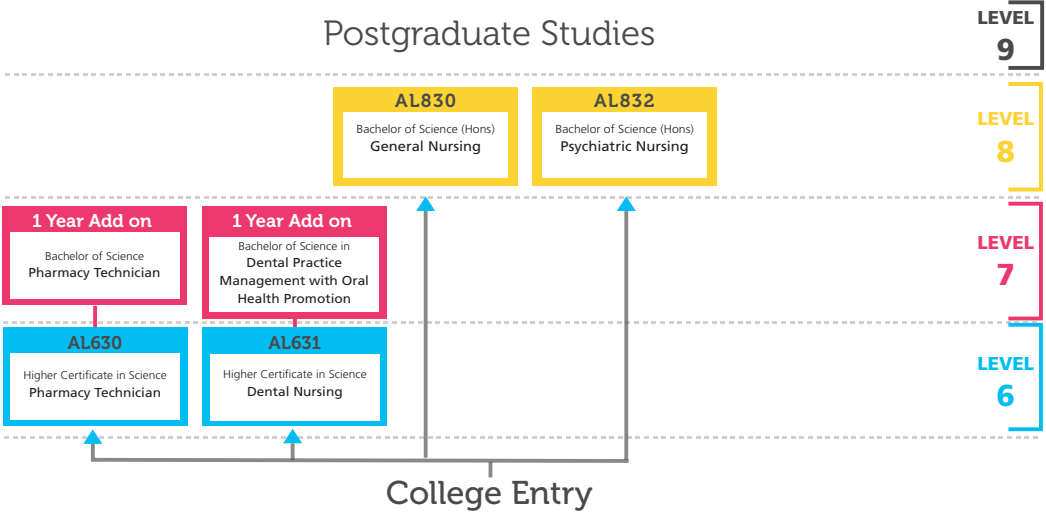
"Studying general nursing at AIT has provided me with invaluable exposure to the diversity of nursing. As part of this degree programme, I completed many clinical placements across a range of health care environments, which gave me a taste of the many specialised areas in nursing. Experiences gained from these different settings have opened up a wide range of career opportunities for me since graduating from AIT. I am currently employed within one of the local regional hospitals.

I chose to study nursing at AIT after viewing the facilities at the college open day. The nursing department is equipped with modern, state-of-the-art laboratories which provide the basis for both theoretical and practical learning. The department of nursing and healthcare promotes a supportive learning environment with small class sizes and approachable lecturers. Although challenging at times, I thoroughly enjoyed my time studying at AIT, and I would highly recommend this course for anyone with a keen interest in nursing".

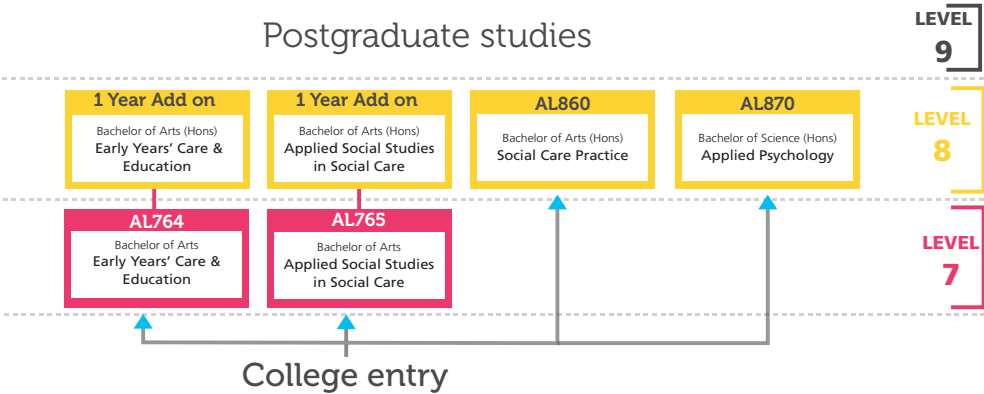


Progression options

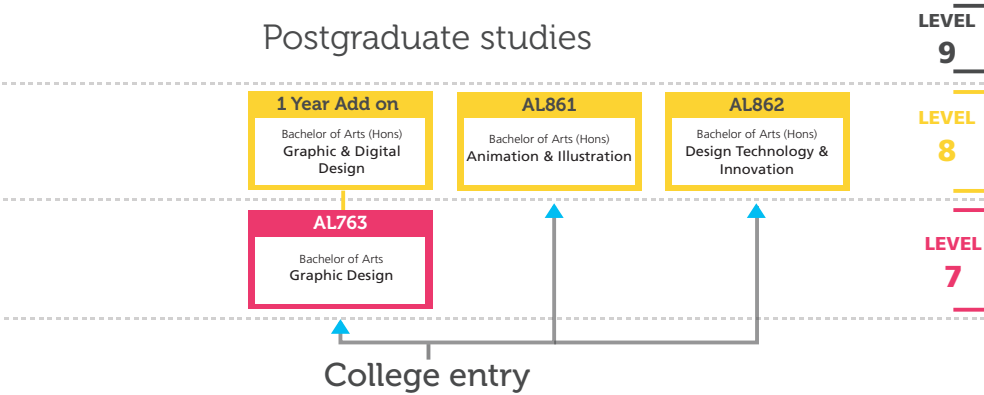
Nursing & Healthcare



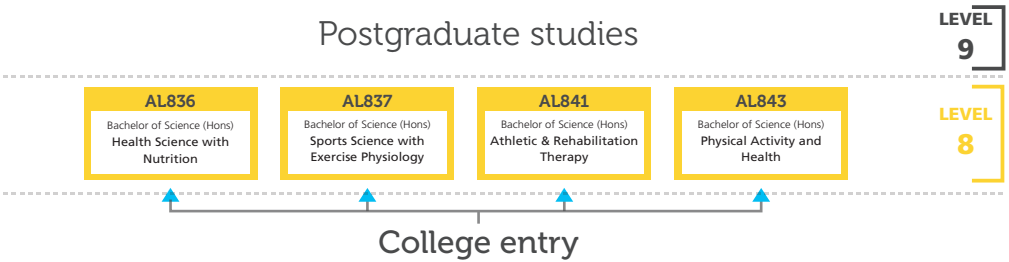
Social Science



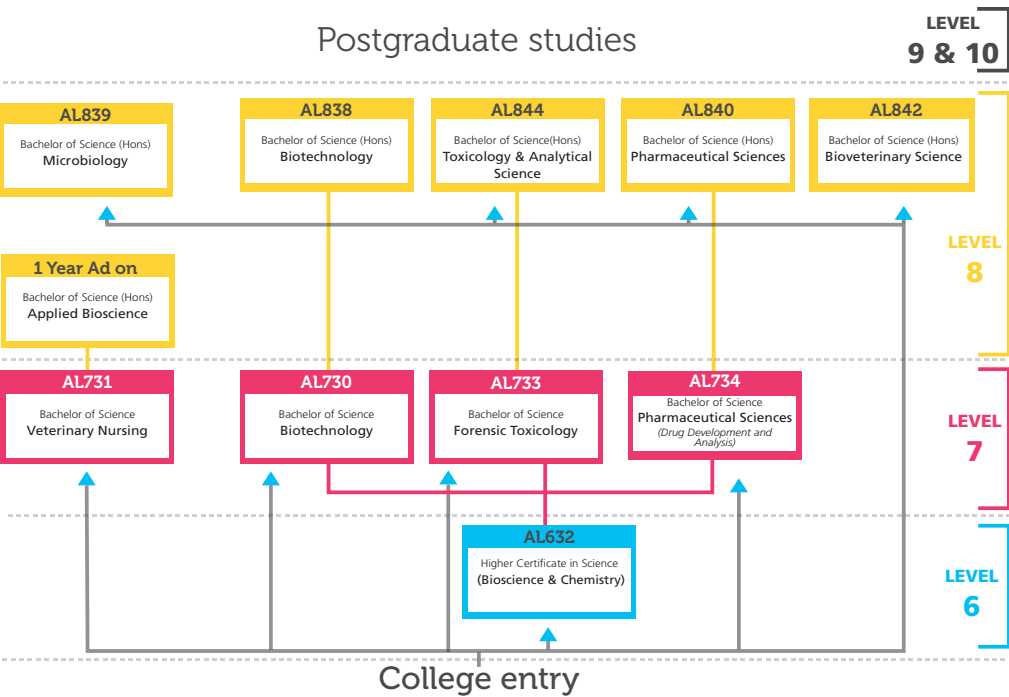
Design



Sport & Health Sciences



Life & Physical Sciences



Altranais Ginearálta

General Nursing

"Our students get extensive practical experience over their four year with us. However, they will also explore important aspects of values, ethics, research, physiology and social policy to ensure that they are a professional adult nurse after graduating" *Dr. Des Cawley, Nursing lecturer*

Why take this course?

This course involves the study of theoretical and practice-based modules. It involves classroom teaching and taught placements in a variety of clinical and non-clinical settings. This honours degree programme takes advantage of the various areas of expertise available at the three regional hospitals in the Health Service Executive midlands area in Tullamore, Portlaoise and Mullingar.

What will I experience?

You will undergo a total of 2,925 hours clinical study and 1,740 hours theoretical study.

Successful completion of the programme leads to the award of a Bachelor of Science (Hons) in Nursing in General Nursing from AIT and registration with the Nursing and Midwifery Board of Ireland. Registration with the Nursing and Midwifery Board of Ireland as a Registered General Nurse (RGN) allows you to work as a general nurse nationally and internationally.

What job opportunities might it lead to?

If you wish to pursue a career in specialist nursing practice upon graduating, you can apply for higher diploma courses in areas such as: gerontology, coronary care, intensive care, perioperative care, and accident and emergency nursing at AIT or other third level institutions. Alternatively you may choose to pursue advanced studies in nursing education or nursing management.

You may apply for positions at staff nurse grade within the Irish health care sector and you are also eligible to apply for registration as nurses throughout the EU and further afield.

What will I study?

Year 1

Anatomy, Physiology & Microbiology, Preparation for Practice (General Nursing), Principles and Practice of General Nursing Care, Clinical Placement (General Nursing), Learning and Development in Higher Education, Psychology and Communication, Care of the Surgical Patient, Anatomy, Physiology and Pharmacology, Primary Health, Maternity, Child and Community, Nursing Sociology and Health, Professional, Legal and Ethical Issues in General Nursing.

Year 2

Introduction to Mental Health and Illness (General Nursing), Holistic Care for Patients with Cardiac and Respiratory Health Studies, Clinical Placement (General), Chronic Illness, Holistic care for Patients with Nutritional and Gastrointestinal Disorders. Sexual Health in Nursing, Emergency and Critical Care Nursing.

Year 3

Renal Endocrine and Biliary Disorders, Research Appreciation, Oncology and Haematology Clinical Placement (General Nursing), Applied Sociology and Applied Psychology General Neurological, Special Senses and Musculoskeletal Disorders, (General Nursing) Care of the Older Person (General Nursing), Law and Ethics.

Year 4

Health Studies, Implementing Evidence in General Nursing Practice, Preparation for Internship (General Nursing), Professional Issues in General Nursing, Clinical Placement (General Nursing), Clinical Placement Internship (General Nursing).

Work placement

You will undergo a total of 2,925 hours clinical study and 1,740 hours theoretical study.

Career prospects

You may apply for positions at staff nurse grade within the Irish health care sector and you are also eligible to apply for registration as nurses throughout the EU and further afield.

Garda vetting

AIT uses the Garda Central Vetting Unit (GCVU) to assess the suitability of applicants to this programme. This is due to the considerable amount of placements undertaken with children and vulnerable groups in society. Therefore, offers to this programme are conditional and could subsequently be withdrawn if applicants do not meet the garda vetting requirements.

Professional recognition

Successful completion of the programme leads to the award of a Bachelor of Science (Hons) in Nursing in General Nursing from AIT and registration with Bord Altranais agus Cnáimhseachais na hÉireann. The award of Bord Altranais agus Cnáimhseachais na hÉireann, Registered General Nurse (RGN), is nationally and internationally recognized.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL830

Level - 8

Duration - 4 years



Cut-off CAO points:

398

Course award:

Bachelor of Science (Hons)

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. These subjects must include mathematics, a laboratory science subject and a language (English or Irish).

Mature applicants are not required to meet these minimum entry requirements. However, they will be required to undertake a written assessment. Further information may be obtained online at www.nursingboard.ie.

QQI:

5 places reserved for QQI students. QQI applicants to this programme must hold one of the following awards: Nursing Studies (5M4349), Community Health Services (5M4468), Health Care Support (5M4339) included in their award. They must possess distinctions in 5 modules which must include: 5N0749, 5N4325, 5N1279 or 5N2746.



Contact us

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Head of Department of
Nursing & Healthcare,
Athlone Institute of Technology.
Tel: +353 (0)90 6471801
Email: pmurphy@ait.ie



For more information on our courses visit www.ait.ie/al830

Altranais Síciatrach

Psychiatric Nursing

“Mental health was always something that I was very interested in. I chose AIT, because of the state-of-the-art nursing facilities on-campus. The placements were also located within the midlands which meant I didn’t have to travel too far”

Patricia Grennan, 3rd Year Psychiatric Nursing student

Why take this course?

This four-year, ab initio honours degree offered by AIT in conjunction with the Health Service Executive Midlands area and the Nursing and Midwifery Board of Ireland, has been developed in response to the changing mental health needs of the Irish public. The course involves the study of theoretical and practice-based modules.

Students will be exposed to classroom teaching and taught placements in a variety of clinical and non-clinical settings within the Longford/Westmeath Mental Health Services and the Laois/Offaly Mental Health Services.

What will I experience?

You will undertake 1,740 hours of theoretical study and 2,925 hours of clinical placement over the four years. This programme in psychiatric nurse education will provide you with a substantive knowledge base and facilitate the development of professional skills that will enable you to respond constructively to mental health care needs. Successful completion of the programme leads to the award of a Bachelor of Science (Hons) in Psychiatric Nursing from AIT and registration with the Nursing and Midwifery Board of Ireland. Registration with the Nursing and Midwifery Board of Ireland as a Registered Psychiatric Nurse (RPN) allows you to work as a psychiatric nurse nationally and internationally.

What job opportunities might it lead to?

On successful completion of the course, and registration as a psychiatric nurse with the Nursing and Midwifery Board of Ireland, you are qualified to apply for a range of psychiatric nursing posts and may apply for a position at staff nurse grade in the Irish health care sector, as well as seeking promotional posts in clinical nursing, nursing administration and nurse education.

As a graduate of this course you can avail of further academic/professional courses in clinical specialties e.g., gerontology, behavioural nurse psychotherapy, addiction counselling, family and cognitive therapies, at AIT or other third level institutions. If you wish to pursue a career in specialist nursing practice, you can apply for higher diploma courses in areas such as behavioural psychotherapy and counselling.

What will I study?

Year 1

Preparation for Practice (Psychiatric Nursing), Anatomy, Physiology and Microbiology, Learning and Development in Higher Education, Clinical Placement (Psychiatric Nursing), Principles and Practice of Nursing Care, Anatomy, Physiology and Pharmacology, Mood and Emotional Disorders, Professional, Legal and Ethical Issues in Mental Health Nursing, Community Mental Health Nursing, Psychology and Communication.

Year 2

Schizophrenia Spectrum Psychoses, Child and Adolescent Mental Health, Health Studies, Clinical Placement, Care of the Adult in the General Hospital, Specialist Adult Care Groups, Groups and Groups Therapies, Enduring Mental Illness, Psychiatric Emergencies.

Year 3

Bereavement and Loss, Clinical Placement (Psychiatric Nursing), Research Appreciation, Physical Health and Mental Illness, Therapeutic Approaches and Counselling Skills, Applied Sociology and Applied Psychology – Psychiatric, Normal and Abnormal Personality, Neuroanatomy and Electro-Convulsive Therapy, Care of the Older Person (General Nursing), Law and Ethics (Psychiatric Nursing).

Year 4

Integrated Psychiatric Nursing Practice, Challenging and Ethical Issues in Psychiatric Nursing, Preparation for Internship, Clinical Placement VII (Psychiatric Nursing Pre-internship), Health Studies, Clinical Placement VIII (Psychiatric Nursing Internship).

Work placement

You will undertake 1,740 hours of theoretical study and 2,925 hours of clinical placement over the four years.

Further Study

As a graduate of this course you can avail of further academic/professional courses in clinical specialties e.g., gerontology, behavioral nurse psychotherapy, addiction counselling, family and cognitive therapies at AIT or other third-level institutions.

Garda vetting

AIT uses the Garda Central Vetting Unit (GCVU) to assess the suitability of applicants to this programme. This is due to the considerable amount of placements undertaken with children and vulnerable groups in society. Therefore, offers to this programme are conditional and could subsequently be withdrawn if applicants do not meet the garda vetting requirements.

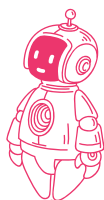
Professional recognition

Successful completion of the programme leads to the award of a Bachelor of Science in Nursing in Psychiatric Nursing from AIT and registration with Bord Altranais agus Cnáimhseachais na hÉireann. The award of Bord Altranais agus Cnáimhseachais na hÉireann, Registered Psychiatric Nurse (RPN) is both nationally and internationally recognised.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.



100%

of the Class of 2014 were in employment six months after finishing their degree.



Code - AL832

Level - 8

DURATION - 4 years

Cut-off CAO points:

387

Course award:

Bachelor of Science (Hons)

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. These subjects must include mathematics, a laboratory science subject and a language (English or Irish).

Separate LC requirements from mature applicants.

Mature applicants are not required to meet these minimum entry requirements. However, they will be required to undertake a written assessment. Further information may be obtained online at www.nursingboard.ie.

QQI:

6 places reserved for QQI students. QQI applicants to this programme must hold one of the following awards: Nursing Studies (5M4349), Community Health Services (5M4468), Health Care Support (5M4339) included in their award. They must possess distinctions in 5 modules which must include: 5N0749, 5N4325, 5N1279 or 5N2746.



Contact us

Dr. Pearse Murphy,
Head of Department of
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Tel: +353 (0)90 6471801
Email: pmurphy@ait.ie



For more information on our courses visit www.ait.ie/al832

Altranas Síciatrach

Pharmacy Technician

"One of the most important elements of this course is the work placement allocation. This offers students an opportunity to gain invaluable experience. The placement is flexible and time allowances can be accumulated working in a pharmacy throughout the duration the programme"

Brianna Kelly, Pharmacy Technician graduate

Why take this course?

AIT has been to the fore in developing higher education opportunities to degree level for pharmacy technicians. The programme is delivered in an attractive, modern facility, situated on AIT's East Campus.

A pharmacy technician plays a central role in the smooth operation of today's pharmacy, by assisting the pharmacist in their various activities. Pharmacy technicians are employed in the private sector in community and private hospital pharmacies, and by the HSE in hospital pharmacies.

What will I experience?

The main aim of this course is to provide you with the appropriate multi-disciplined skills and theory to enable you to play a key role in both community and hospital pharmacies. In addition to lectures, the course contains a strong practical element and you spend 20 weeks of placement in total in year 2 in a community and hospital pharmacy. This placement is organized by AIT and is enormously beneficial to your employment prospects. One of our unique elements of this programme is the provision of a first aid qualification within the professional development module.

What job opportunities might it lead to?

Employment prospects for pharmacy technicians are excellent. Work opportunities exist in community and hospital pharmacies, wholesale division, pharmaceutical industry, sale and marketing, IT training, management, purchasing roles and many more. The qualification can lead to many opportunities to diversify. A number of graduates of this programme have been successful in entering pharmacy degrees (MPharm) in the Ireland (UCC & RCS) and UK (Coleraine, Brighton, Kingston, Liverpool and Sunderland).

What will I study?

Year 1

Chemistry, Mathematics for Scientists, Fundamentals of Pharmacology, Laboratory Practice, Learning and Development for Higher Education, Drug Uses and Actions, Community Pharmacy Practice.

Year 2

Pharmaceutical Chemistry, Finance and Accounting, Pharmaceutical Microbiology, Hospital Pharmacy Practice, Drug Uses and Actions, Formulation and Compounding, Professional Development, Professional Practice Placement.

Work placement

Students spend the second semester in year 2 on work placement.

Further study

After graduating from this programme you may apply to join the BSc Pharmacy Technician at AIT.

Career prospects

Employment prospects for pharmacy technicians are excellent. Work opportunities exist in community and hospital pharmacies nationwide.

"Unsure about your choice? Get in touch..."



askus@ait.ie



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL630

Level - 6

DURATION - 2 years

Cut-off CAO points:

290

Course award:

Higher Certificate

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Grade O6 at ordinary level in 5 subjects in the Leaving Certificate to include a laboratory-based science subject, mathematics and a language (English or Irish).

QQI:

Up to 6 places reserved for QQI students. Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the modules Mathematics (5N1833) and Biology (5N2746) included in their award, or alternatively have Leaving Certificate Mathematics and a Leaving Certificate science subject.

Student testimonial

“AIT provides a safe and secure place to learn with friendly staff that are approachable and helpful in your course work”

ISSE Survey, Pharmacy Technician student

Contact us

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Head of Department of
Nursing & Healthcare,
Athlone Institute of Technology.
Tel: +353 (0)90 6471801
Email: pmurphy@ait.ie



For more information on our courses visit www.ait.ie/al630

Altranas Síciatrach

Pharmacy Technician (Add-on)

"As a student on this course I learned to recognise common illnesses and improved my communication skills to liaise with pharmacists on health care issues, including the various health care schemes available in Ireland" *Lorraine Cronin, Pharmacy Technician graduate*

Why take this course?

The primary aim of the BSc Pharmacy Technician programme is to advance the skills and knowledge of the qualified pharmacy technician. Furthermore, it seeks to enable the graduate to use his/her skills as a pharmacy technician to promote pharmacy practice in the area of pharmaceutical care of the patient and ultimately, to provide additional skills to the pharmacy technician in the areas of clinical pharmacy, medicines management, purchasing, clinical governance, ethics and aseptic practices. This will enable the graduate to consider career development in additional areas.

What will I experience?

Students will attend lectures at AIT Monday to Wednesday and attend pharmacy placement on Thursday and Friday throughout the academic year. Placement is organised by AIT in conjunction with the student. As well as placement, the students will undertake a capstone project which allows them to delve into the research world for the first time. Participation in conferences, poster competitions and lectures by guest speakers from the pharmacy industry will ensure that students are well grounded in all areas of work available to pharmacy technicians.

What job opportunities might it lead to?

This programme will enable pharmacy technicians to further challenge the knowledge and skills acquired at level 6 whilst also providing them with an opportunity to develop as professionals with the latest skills in medicines management, pharmacy purchasing, clinical pharmacy and pharmaceutical care, clinical governance and ethics, advanced pharmacy skills, pharmacy research methods, aseptic practices and marketing. As it is well recognized that there is pressure on time, workload and responsibilities within the pharmacy setting, it is therefore essential that pharmacy technicians are competent and proficient in undertaking additional roles within their work environment.

As a graduate of this degree, you may be eligible to pursue a level 8 qualification in a health science domain, for example, health management. A number of graduates of this programme have been successful in entering pharmacy degrees (MPharm) in the Ireland (UCC and RCSI) and UK (Coleraine, Brighton, Kingston, Liverpool and Sunderland).

What will I study?

Clinical Pharmacy & Pharmaceutical Care, Placement and Integrated Capstone Project, Advanced Pharmacy Skills, Medicines Management, Clinical Governance and Ethics, Pharmacy Research Methods, Aseptic Practices, Pharmacy Purchasing and Sales, Marketing and Applied Entrepreneurship.

Work placement

Students will experience work placement during the course of the year.

Further study

As a graduate of this degree, you may be eligible to pursue a level 8 qualification in a health science domain, for example, health management.

Career prospects

Employment and progression opportunities lie in the following areas: pharmacy management, medicines management, marketing and sales, clozapine clinics, pre-operative clinics, anti-coagulation clinics and in accredited checking.





Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.



A number of graduates of this programme have been successful in entering pharmacy degrees (MPharm) in Ireland (UCC & RCSI) & the UK (Coleraine, Brighton, Kingston, Liverpool & Sunderland).



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 7

Duration - 1 year

Course award:

Bachelor of Science

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Higher Certificate Level 6 qualification in Pharmacy Technician Studies.



Student testimonial

"I really enjoyed the practical and interactive element of this course"
ISSE Survey, Pharmacy Technician student



Contact us

Dr. Pearse Murphy,
Head of Department of
Nursing & Healthcare,
Athlone Institute of Technology.
Tel: +353 (0)90 6471801
Email: pmurphy@ait.ie

Altranas Déidliachta

Dental Nursing

"Students study modules that incorporate the role of the dental nurse in the dental team, focusing on areas such as ethics and communication. They also develop a knowledge of dental materials and dental instruments"

Dr. Pearse Murphy, Head of Department of Nursing & Healthcare

Why take this course?

AIT has been to the fore in developing higher education opportunities to degree level for dental nurses. The programme is delivered in an attractive, modern facility, situated on AIT's East Campus.

Dental nurses play an important role in the modern dental practice. They assist the dentist during dental procedures. Their duties include preparing the surgery, setting out dental instruments, assisting during operations, dealing with patients and looking after the cleanliness of the surgery. They may also be responsible for administrative duties such as making appointments and book-keeping. Dental nurses are typically employed by a dentist in private practice, by dental hospitals and by the HSE.

What will I experience?

This course will give you the appropriate multi-disciplined skills to enable you to play a key role in dental practices. These skills are in the nursing and business areas and will enable you to contribute effectively to the modern dental practice.

What job opportunities might it lead to?

Many dental nurses find employment in general dental practices and opportunities also exist in dental and general hospitals in a more specialised capacity. After three years with a qualification and certain specified responsibilities, you may be promoted to the senior dental nursing grade within certain areas of the health service.

After graduating from this programme you may apply to join the BSc in Dental Practice Management with Oral Health Promotion at AIT. A number of AIT Dental Nursing graduates have been awarded places on dental hygiene courses through the UCAS UK college entry system.

What will I study?

Year 1

Dental Nursing Practice Placement Year, Chemistry, Biology, Dental Professional Practice, Learning and Development for Higher Education, Dental Anatomy, Physiology and oral Pathology, Clinical Dentistry, Dental Materials.

Year 2

Dental Nursing Practice Placement Year, Dental Pharmaceuticals, Behavioural Science for Dental Nursing, Dental Disease and Infection Control, Clinical Dentistry, Dental Materials, Legal, Health and Safety, Medical Emergencies, Finance and Accounting.

Work placement

Students will experience work placement during the course of this programme.

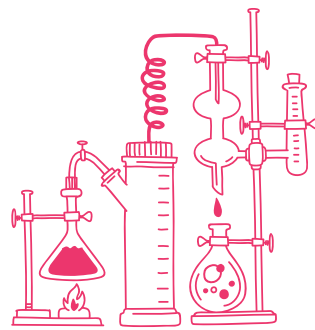
Further study

After graduating from this programme you may apply to join the BSc in Dental Practice Management with Oral Health Promotion at AIT.

Career prospects

Many dental nurses find employment in general dental practices and opportunities also exist in dental and general hospitals in a more specialised capacity. After three years with a qualification and certain specified responsibilities, you may be promoted to the senior dental nursing grade within certain areas of the health service.

A number of AIT Dental Nursing graduates have been awarded places on dental hygiene courses through the UCAS UK college entry system.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

NOW

www.ait.ie/openday



Further study

A number of AIT Dental Nursing graduates have been awarded places on dental hygiene courses through the UCAS UK college entry system.

Code - AL631

Level - 6

Duration - 2 years

Cut-off CAO points:

273

Course award:

Higher Certificate in Science

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Laboratory-based science subject at Grade H6 in higher level or O3 in ordinary level, plus four subjects at Grade O6 at ordinary level, to include mathematics and a language (English or Irish)

QQI:

Up to 6 places reserved for QQI applicants. Any QQI Level 5 award is acceptable. Applicants are required however, to have the modules Mathematics (5N1833 at Pass) and Biology (5N2746 - at Merit) included in their award, or alternatively have Leaving Certificate Mathematics (minimum O6) and a Leaving Certificate science subject (minimum H6/O3).

Student testimonial

"The AIT provide PASS (Peer Assisted Student Support) where second years support new first years by guiding them based on their experience in the college and giving them tips on what to do to do well"

ISSE Survey, Dental Practice Management student

Contact us

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For more information on our courses visit www.ait.ie/al631

Dental Practice Management with Oral Health Promotion (Add-on)

**"I really enjoyed the self-directed learning aspect of this course.
The lecturing staff were extremely approachable and helpful"**

Rebecca Jones, Dental Practice Management with Oral Health Promotion, 3rd year student

Why take this course?

This is an exciting time in the development and training of dental nurses. This BSc in Dental Practice Management with Oral Health Promotion (level 7) provides an excellent opportunity for dental nurses to enhance their career prospects and advance their academic learning and development.

What will I experience?

This programme will enable dental nurses to further challenge the knowledge and skills acquired at level 6, whilst also providing them with an opportunity to develop as professionals with the latest skills in clinical nursing, professional practice, practice management, communication, ICT, nutrition with oral health promotion.

What job opportunities might it lead to?

Employment and progression opportunities include the following areas:

- dental practice management,
- oral health promotion,
- marketing and sales,
- dental lifestyle consultancy,
- adviser on oral health and nutrition to special populations/organizations,
- Upon completing this degree, you are eligible to progress to honours degree studies in the areas of health management or oral health promotion.

What will I study?

Dental Practice Management with Placement, Marketing and Applied Entrepreneurship, Dental Research Methods, Primary Dental Care, Human Resource Management and Law, Advanced Clinical Skills, Nutrition and Oral Health Promotion, Dental Practice, Integrated Capstone Portfolio, Finance and Accounting.

Career prospects

Upon completing this degree, you are eligible to progress to honours degree studies in the areas of health management or oral health promotion.

Further study

Upon completion of this degree, the dental nurse will be appropriately equipped to lessen the workload of the dentist by taking on the business-related tasks, assisting with the decision-making process in relation to practice management issues.

Graduates of this programme can seek employment in areas associated with the dental industry. For example, they will have a practical knowledge of marketing and sales, enabling them to work for companies such as Colgate-Palmolive, Promed, GlaxoSmithKline and Dental Supply Ireland.





Further study

Graduates of this course can progress to honours degree studies in the areas of health management or oral health promotion.



80%

A new dental health survey shows 80% of Irish adults believe their gums are healthy, but 80% of Irish people have some form of gum disease.



For more information on our courses visit www.ait.ie/courses

Add-on Course

Level - 7

DURATION - 1 year

Course award:

Bachelor of Science

Department:

Dept of Nursing & Healthcare

Minimum entry requirements:

Applicants should possess an NFQ level 6 qualification in Dental Nursing or an equivalent level 6 qualification.



Student testimonial

"I found the continuous assessments great as it contributed to my final grade taking a lot of pressure off"
ISSE Survey, Dental Practice Management student



Contact us

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Síceolaíocht i bhfeidhm

Applied Psychology

"This new degree program in Psychology focusses on the study of people. It concentrates on how they think, act, react and interact. Students on the course will study all kinds of behaviour and the thoughts, feelings and motivations underlying behaviour" *Oliver Hegarty, Head of Department of Social Sciences*

Why take this course?

This new Psychology degree is being offered from September 2018. Psychology is the scientific study of the human mind and behaviour. It examines how we think, feel, act and interact with other people. It examines questions such as: What makes each person unique? How can we communicate so that others understand us better? How can we make teams work efficiently? How can we help people to overcome anxiety? How can we make our dreams become a reality? If you are interested in similar types of questions, then this course is likely to be relevant to you.

The course will be relevant to anyone wishing to pursue a longer-term career in psychology. It is also an ideal stepping stone to post-graduate study either within psychology or in other areas of social science.

You will develop skills in research, problem-solving, critical thinking and analysis, communication and professional development. If you are interested in these and similar types of questions, then this course is likely to be relevant to you.

What will I experience?

The BSc (Honours) in Applied Psychology at AIT is an ideal programme for learners who are interested in a thorough and comprehensive course in applied psychology and for those who wish to study in a friendly, supportive and collaborative environment.

In the course of your study at AIT, you will:

- Gain a thorough grounding in all core aspects of psychology including cognitive, social, developmental, biological and personality psychology,
- Gain experience of specialised and applied areas within psychology including health psychology, sport psychology, issues in mental health and disability and others,
- Receive training in interpersonal communication and professional development which will be invaluable in work settings and in your personal life,
- Undertake a work placement in year 3 where you will gain experience in a work-based setting,
- Experience small class sizes which allow for individual attention from lecturers and ample opportunity for discussion and collaboration with other class members,
- Work with enthusiastic lecturers who are committed to teaching and learning,
- Learn in a friendly and vibrant campus community and have the opportunity to join various social clubs and societies.

What job opportunities might it lead to?

A degree in Psychology can lead to a comprehensive list of careers including roles in clinical psychology, counselling, education, health, forensics, sport, HR Management, and Business. The broader skills learned – such as critical thinking, communication, teamwork, research – are also desirable for employers in a wide range of sectors.

Graduates who decide not to continue further training in psychology will find that a primary degree in psychology is a valuable qualification. It combines high levels of literacy and numeracy, experience in working both individually and within teams, as well as analysing data and carrying out research.

What will I study?

The BSc in Applied Psychology offers a rich and diverse curriculum which is based on the following four areas of academic and personal development:

1. core subjects within the discipline of psychology including their application to real-life problems,
2. applied subjects within psychology,
3. research skills,
4. skills related to personal and professional development.

The combination of subjects will enable you to build knowledge of the discipline of psychology and to develop capabilities in conducting research, analysing research data and evaluating current research. You will also learn to apply principles of psychology and psychological theories to understand real-life problems and to develop interventions to ameliorate problems.

Year 1

Introduction to Psychology, Research 1: Introduction, Biological Basis of Behaviour 1: Brain & Behaviour, Professional Practice 1: Academic Skills and Creative Thinking, Professional Practice 2: Positive Psychology and Personal Wellbeing, Research 2: Descriptive Statistics and Computing, Lifespan Development 1: Childhood & Adolescence, Research 3: Experimental Design.

Year 2

Lifespan Development 2: Adulthood, Research 4: Inferential Statistics and Computing, Biological Basis of Behaviour 2, Professional Practice 3: Personal Development & Wellbeing, Personality & Individual Differences, Research 5: Correlations & Surveys, Biological Basis of Behaviour 3, Atypical Development.

Year 3

Cognitive Psychology, Clinical Psychology, Social Psychology. In research, you will begin to examine qualitative research and analysis of qualitative data.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

You will choose an elective between Health Psychology or Organisational Psychology. In semester 2, you will go on placement where you will gain experience in a relevant work-based setting.

Year 4

You will study counselling psychology and educational psychology. You will examine core subjects in psychology in greater depth and explore contemporary issues in psychology. You will undertake a research project based on a research question which you will develop.

Work placement

In semester 2 of Year 3, you will undertake a work placement where you will gain experience in a work-based setting.

Industry Links

One of the unique features of this new programme is its applied nature. AIT's Department of Social Science has longstanding relationships with service providers across a range of health and social services. It includes areas such as Early Years Care & Education, Social Care, Mental Health Services, Intellectual Disability, Youth Work, Older People and Community Development.

Further study

An undergraduate degree in Psychology provides a fantastic foundation for further postgraduate study in a variety of related areas. However, graduates wishing to undertake a professional career in psychology (e.g. in clinical psychology, educational psychology, occupational psychology, counselling psychology or other specialised areas) must pursue further postgraduate study in psychology. To enrol on a postgraduate course in a specialised field of psychology, graduates must hold an undergraduate Psychology degree approved by the Psychological Society of Ireland (PSI).

Like all new undergraduate Psychology programmes, AIT is required to apply to the PSI for programme accreditation. This process begins in September 2018 when the course commences. The process continues throughout the duration of the programme. AIT is confident of receiving approval by the time the first student cohort finish in June 2022.

Code - AL870

Level - 8

Duration - 4 years

Cut-off CAO points:

New

Course award:

Bachelor of Science (Hons)

Department:

Dept of Social Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

are required to have a minimum of three distinctions. Up to a maximum of five places will be reserved for QQI applicants.

Mature applicants are not required to meet these minimum entry requirements. However, there are a limited number of places for mature applicants – an interview may form part of the selection process.



Contact Us

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For more information on our courses visit www.ait.ie/al870

Cleachtas Cúraim Shóisialta

Social Care Practice

"This programme is designed to prepare students to become professionals in a range of Social Care career roles. The strong focus on work experience and applying learning to real life situations makes it really interesting. Our motivated and experienced academic staff bring to life this rewarding programme of study"

Oliver Hegarty, Head of Department of Social Sciences

Why take this course?

The programme prepares you to become a professional Social Care Worker. The role involves planning and providing care to vulnerable individuals and groups of all ages, who experience marginalization, disadvantage or special needs (Social Care Ireland 2016). Social Care Workers work in a range of roles and with service users including: children and adolescents in care; young offenders; people with intellectual or physical disabilities; people who are homeless; people dependent on alcohol/drugs; families in the community; or older people.

What will I experience?

On completion of this programme, you will feel confident with the knowledge and skills to provide support and care for others and demonstrate both leadership and management capabilities to support and enable those entrusted to your care.

Work placements, amounting to a total of 800 hours, form an essential part of this four-year programme. Placements are undertaken in years 2, 3 and 4. You will learn the knowledge, skills and approaches which are unique to the role of a Social Care Worker.

What job opportunities might it lead to?

Social Care Workers enjoy choices when it comes to career opportunities. Graduates find employment with children and young people facing social issues and challenges. Others find roles working with individuals experiencing social inequality or unemployment or with people facing family breakdown. Others choose to work with people with intellectual disabilities or with older people. A diverse range of employers include HSE, Tusla-Child & Family Agency, Private Healthcare providers e.g. CPL, and Voluntary Organisations.

What will I study?

Year 1

Introduction to Psychology, Professional Social Care Practice 1.1, Learning and Development for Higher Education, Health Promotion in Social Care, Professional Social Care Practice 1.2, Principles of Sociology, Creative Approaches to Social Care 1.2.

Sem 1 Electives: French 1.1, German 1.1, Spanish 1.1, An Introduction to Politics.

Sem 2 Electives: French 1.2, German 1.2, Spanish 1.2, Modern Irish Politics.

Year 2

Professional Social Care Practice 2.1, Child and Adolescent Development Psychology, Communications and Personal Development, Creative Approaches to Social

Care Art, Drama or Recreation 2.1, Professional Social Care Practice 2.2, Applied Sociology, Fundamentals of Irish Law, Disability: Concepts and Practice, Social Care Practice Placement 1.

Sem 1 Electives: Civil Society and Public Policy, French 2.1, German 2.1, Spanish 2.1.

Sem 2 Electives: French 2.2, German 2.2, Spanish 2.2, Political Economy of Welfare.

Year 3

Group Dynamics, Creative Approaches to Social Care Art, Drama or Recreation 3.1, Professional Social Care Practice 3, Psychology of Mental Health and Mental Illness, Social Care Practice Placement 2, Social Policy Perspectives, Introduction to Management, Rights Based Law.

Electives: Social Psychology, Children's Rights and Family Law, Conflict Resolution, French, German, Spanish.

Year 4

Professional Social Care Practice 4.1, Research Project, Sociology and Social Policy, Disability: Promoting Citizenship, Professional Social Care Practice 4.2, Counselling and Psychotherapy, Social Care Practice Law, Social Care Practice Placement 3.

Electives: Introduction to Addiction Studies, Managing Social Care Environments, International Development, Professional Practice for Older People 4.2, French, Spanish.

Work placement

Work placements (minimum 800 hours) form an essential part of the course.

Further study

As a graduate of this honours degree you may decide to pursue postgraduate training and research leading to master's and PhD (level 9/10) qualifications. AIT's MA in Child & Youth Studies is a very popular level 9 option. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.

This Level 8 qualification is also a recognized stepping stone to undertake further study in NUI Galway, UCC, UCD or TCD to pursue a career as a professional Social Worker.

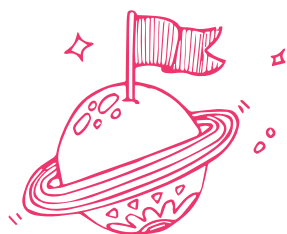
National Vetting Bureau

All students on this programme will undertake National Vetting Bureau procedures prior to commencing their work placement. Failure to disclose previous convictions may result in students being dismissed from the programme. Previous convictions, depending on their nature, could result in student dismissal from the programme.



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.



As a graduate of this programme, you will be eligible to progress to postgraduate programmes such as the

MA IN CHILD AND YOUTH STUDIES



For more information on our courses visit www.ait.ie/al860

Code - AL860

Level - 8

DURATION - 4 years

Cut-off CAO points:

300

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Social Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

Note: An FL2 in foundation level mathematics will be accepted as meeting the minimum mathematics requirements for entry to this course.

Mature applicants are not required to meet minimum entry requirement. However, an interview may form part of the selection process.

QQI:

Up to 15 places reserved for QQI students. QQI applicants to this programme must hold one of the following awards: Early Childhood Care (5M2009), Nursing Studies (5M4349), Community Care (5M2786), Community Health Services (5M4468), Applied Social Studies (5M2181). They are also required to have a pass in Social Studies (5N1370), and hold distinctions in 3 modules.



Contact us

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Cúram agus Oideachas na Luathbhlianta

Early Years' Care and Education

"The course provides a broad view of how children learn and develop and the vital supportive role of the early years' practitioner in early childhood care and education (ECCE)" *Laura, 3rd year student*

Why take this course?

On this course, you will learn to make a difference to the lives of babies and young children by understanding how they develop and learn. You will learn how to support the needs of children, and to understand the role of the family and society in the provision of education and care in young children's formative years. This will allow you to apply knowledge to promote quality education and care provision for young children.

What will I experience?

The aim of the programme is to provide students with the theory and hands-on experience and practical skills required to provide quality supports for young children's development (0-6 years).

Throughout the duration of the course, you will develop knowledge and understanding of the value and ways of working with parents, and of inter-professional collaboration to support the best interests of children. Our 'Lab' or simulated early years' setting will provide you with opportunities to practice, plan for and support children's interests and abilities. Students undertake 500 hours practicum.

What job opportunities might it lead to?

Graduates of the programme can expect to work as an Early Years' Educator (various roles such as Assistant, Room Leader, Assistant Manager, Manager) in full day crèche settings, part-time, sessional (ECCE), afterschool, breakfast club, naíonraí (with Irish language); parent and toddler groups and drop in care settings. There may also be opportunities to work in outdoor preschools/Forest Schools.

This role may include such responsibilities as the development and evaluation of programmes of care and education to support learning and development. You will find roles work as part of a team to develop quality improvement strategies to enhance the quality of experience for all children and staff.

What will I study?

Year 1

Learning & Development for HE, Sociology for Early Years, Principles and Practices in the Early Years' Setting, An Introduction to Curriculum in the Early Years, Foundations of Child Development, Creative Skills in Art and Drama in the Early Years, Personal Development and Leadership, Promoting Health, Wellbeing in the Early Years, Placement Practice.

Year 2

Creative Skills and Play in the Early Years' Setting, Social and Emotional Development of the Child, Early Childhood

Law 1, Models of Education: Applying High Scope and Montessori in the Early Years' Environment, Play and Physical Skills in the Early Years Setting, Food Safety and Applied Nutrition in the Early Years' Setting, The Political Context of Childhood, Language and Cognitive Development, Applied Curriculum in the Early Years': A Dialogic Approach, Practice Placement.

Year 3

Pedagogical Approaches, Early Years' Social Policy, Business Management in the Early Years' Setting, Second Language Acquisition, Children's Rights – A political perspective, Introduction to Research Methods, Inclusion in the Early Years' Setting, Early Childhood Law 2, Practice Placement.

Work placement

Students experience the variety of the early years' sector through placements in different childcare settings, thus providing the opportunity to link classroom learning with work based practice.

Further study

As a graduate of the Level 7 programme, students will be eligible to progress to the one-year add-on level 8, the BA (Hons) in Early Years' Care & Education.

National Vetting Bureau

All students on this programme will undertake National Vetting Bureau procedures prior to commencing their work placement. Failure to disclose previous convictions may result in students being dismissed from the programme. Previous convictions, depending on their nature, could result in student dismissal from the programme.

Additional Information

This programme is also available on a part-time basis.



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL764

Level - 7

Duration - 3 years

Cut-off CAO points:

268

Course award:

Bachelor of Arts

Department:

Dept of Social Sciences

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish). Note: An FL2 in foundation level mathematics will be accepted as meeting the minimum mathematics requirement for entry to this course.

Mature applicants are not required to meet the minimum entry requirements. However, an interview may form part of the selection process.

QQI:

Up to 15 places reserved for QQI students. Any QQI level 5 qualification is acceptable. Applicants, however, must hold one of the following modules: 5N1370 Social Studies or 5N1279 Human Growth and Development or 5N1770 Early Care and Education Practice or 5N1765 Child Health and Wellbeing or 5N2705 Care Provision and Practice or 5N1764 Child Development or 5N1773 Early Childhood Education and Play or 5N1786 Special Needs Assisting.

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For more information on our courses visit www.ait.ie/al764





IRadio staff helping us out at our Open Day in April. Our next Open Day is in October 2017.



Lecturer Profile

Name: Dr. Ashling Jackson

COURSE: Social Care



"Dr. Ashling Jackson is a senior lecturer in Social Care at AIT and lectures in the areas of sociology/social policy, community development and research methods. Dr. Jackson's PhD critically examined how premarital cohabitation is transforming the institution of marriage in Ireland today. Ashling is the co-editor of two books, *Learning on the Job: Parenting in Modern Ireland* and *Community Development: Theory, Policy and Practice*. Her primary research interests are in the areas of family, community, health and ethnic groups. She has worked extensively with disadvantaged groups in community settings, most notably the Traveller community".



Cúram agus Oideachas na Luathbhlianta

Early Years' Care and Education (Add-on)

"This add-on programme builds students' confidence by encouraging them to recognise their capabilities, experience, and strengths as emerging professionals. It develops early childhood specialists to reflect upon and critically assess their own practice" *Oliver Hegarty, Head of Department of Social Sciences*

Why take this course?

A high level of quality care and education is essential to support children's learning and development. The early years' educator has a pivotal role in the provision of this quality care and education. This add-on degree course further develops the students' knowledge, skills and confidence to support children's strengths, interests and abilities.

What will I experience?

Modules on this one-year add-on Honours' degree provide in-depth opportunities to study policy and practice-based learning, preparing students to work with children, families and outside agencies. Field trips, workshops and academic learning help to develop awareness and critical evaluation of policies and practices in a wide variety of early years' settings.

Students will learn how to critically appraise policies, procedures and principles in the early years' care and education field. They will learn how to design and deliver relevant curriculum activities, assume responsibility for decision-making, as well as independently conducting primary and secondary research.

Successful completion will equip students to: apply advanced early years' care and education knowledge; reflect as a confident and innovative practitioner; critically evaluate the provision of care and education for children 0-6 years; promote and support professional development of ECCE educators; and understand the value of research in ECCE.

What job opportunities might it lead to?

The Early Years' Care & Education (ECCE) field in Ireland can look forward to an exciting, dynamic and challenging future. It requires well informed leaders who are competent and confident in terms of education, regulation, policy, advocacy etc. Graduates can expect to find employment as Early Years Practitioners & Pre-School Educators responsible for working directly with young children. Others roles include that of Team Leader responsible for running an ECCE room and possibly after-school. Other roles may include an early Years' Quality Mentor.

As well as developing the core skills of providing education, care and support for young children, this programme develops the capacity to be an effective leader and manager in this rapidly changing sector.

What will I study?

Policy & Practice in the Early Years, Responding to Children with Additional Needs, Recreational & Creative Play, Leadership in the Early Years' Setting, Research Project. Running your own Early Years Business.

Further study

As a graduate of this programme, you will be eligible to progress to postgraduate programmes such as the MA in Child and Youth Studies at AIT or an alternative postgraduate programme in another 3rd-level college. The Institute has initiated the process of developing a new level 9 masters in Early Years. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.

This Honours degree provides routes, with additional study and experiences into:

- Primary Teaching,
- Early Year's Inspectorate,
- Mentoring.

Additional Information

This programme is also available on a part-time basis.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



Book online

NOW

www.ait.ie/openday



Further study

Graduates are eligible to progress to postgraduate programmes such as the MA in Child and Youth Studies at AIT or an alternative postgraduate programme in another 3rd-level college.

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Social Sciences

Minimum entry requirements:

Bachelor of Arts in Early Years' Care and Education level 7 or an equivalent Level 7 qualification.

Bachelor Of Arts (Hons) In Early Years' Care and Education



Student testimonial

"I have learned so much over the past four years. I would highly recommend this course as you will find it engaging and interactive"
Aisling, 4th year student



Contact Us

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For more information on our courses visit www.ait.ie/courses

Staidéar Sóisialta Feidhmeach i gCúram Sóisialta

Applied Social Studies in Social Care

"This programme provides students with the professional knowledge, real-life work experience, self-awareness and interpersonal skills appropriate for a career in a variety of Social Care settings" *Oliver Hegarty, Head of Department of Social Sciences*

Why take this course?

If you would like to work in a profession where you provide care, protection, support, welfare and advocacy for vulnerable or dependent individuals or groups, Social Care will be of interest to you.

The profession is committed to the planning and delivery of quality care and other support services for individuals and groups with identified needs. As well as protecting and advocating for such individuals and groups, Social Care Workers guide, challenge and support those entrusted to their care toward achieving their full potential.

What will I experience?

Students will experience a variety of modules and lectures to help them acquire the knowledge, skills and confidence to support society's more vulnerable and dependent children or adults. A work placement (minimum of 800 hours) is a central feature of the student's experience during the three years (9 weeks per year).

What job opportunities might it lead to?

This programme leads to a qualification which allows graduates to work as a professional Social Care Worker. It will equip students to find employment with different service users in a variety of care settings such as: residential child care; disability sector; youth and community, family support services; people who are homeless; Travellers; people who are drug or alcohol dependent, and older people.

What will I study?

Year 1

Learning and Development for Higher Education, Contemporary Social Care Practice 1.1, Introduction to Sociology, An Introduction to Law, Applied Social Care Placement 1, Contemporary Social Care Practice 1.2, Developmental Psychology, Interactional Approaches to Social Care 1.2.

Sem 1 Electives: French 1.1, German 1.1, Spanish 1.1, An Introduction to Politics,

Sem 2 Electives: French 1.2, German 1.2, Spanish 1.2, Modern Irish Politics.

Year 2

Contemporary Social Care Practice 2.1, Communications and Personal Development, Atypical Child and Adolescent Development, Fundamentals of Social Policy, Family and Human Rights Law, Contemporary Social Care Practice

2.2, Introduction to Health Promotion, Disability: Models and Practice, Applied Social Care Placement 2, Interactional Approaches to Social Care Art, Drama or Recreation 2.2

Sem 1 Electives: French 2.1, German 2.1, Spanish 2.1, Civil Society and Public Policy.

Sem 2 Electives: French 2.2, German 2.2, Spanish 2.2, Political Economy of Welfare.

Year 3

Group Dynamics, Interactional Approaches Art, Drama or Recreation 3.1, Applied Social Care Placement 3, Contemporary Social Care Practice 3, Child Law and Professional Liability, Counselling Skills, Sociology for Practice, Disability: Promoting Inclusion.

Electives: Management Theory & Practice, Mental Health, French, German, Spanish.

Work placement

Work placements (minimum 800 hours) form an essential part of the course and are undertaken over the 3 years of this programme.

Further study

Graduates from this programme are eligible to apply to progress to AIT's one-year add-on BA (Honours) in Applied Social Studies in Social Care (Level 8) programme, or a related Level 8 programmes at another third-level institution. Having acquired a level 8 degree, many of our graduates choose to pursue further study at Masters level in AIT by enrolling on the one-year full-time MA in Child & Youth Studies.

National Vetting Bureau

All students on this programme will undertake National Vetting Bureau procedures prior to commencing their work placement. Failure to disclose previous convictions may result in students being dismissed from the programme. Previous convictions, depending on their nature, could result in student dismissal from the programme.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL765

Level - 7

DURATION - 3 years

Irish Addiction facts

104,000

Up to 104,000 children are currently living in families adversely affected by alcohol alone

33%

33% of children of alcoholics go on to develop related problems in adulthood.

50%

The percentage of heroin users in treatment, at 50%, is very high compared to other EU countries.

3.7 BN

Alcohol-related harm costs this country approx. €3.7 billion a year

Cut-off CAO Points:

280

Course award:

Bachelor of Arts

Department:

Dept of Social Sciences

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be Maths and a language (English or Irish). Note: An FL2 in foundation level mathematics will be accepted as meeting the minimum mathematics requirements for entry to this course.

Mature applicants are not required to meet minimum entry requirement. However, an interview may form part of the selection process.

QQI:

Up to 20 places reserved for QQI students. Any QQI level 5 qualification is acceptable. Applicants, however, must hold one of the following modules: Social Studies (5N1370) or Care Provision and Practice (5N2705) or Intellectual Disability Studies (5N1652) or Care of the Older Person (5N2706) or Understanding Mental Health (5N3772) or Special Needs Assisting (5N1786).



Contact us

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For more information on our courses visit www.ait.ie/al765

Staidéar Sóisialta Feidhmeach i gCúram Sóisialta

Applied Social Studies in Social Care (Add-on)

"This degree will equip students with advanced levels of knowledge and skills appropriate to gaining employment at a high level"

Dr. Don Faller, Dean of Faculty of Science and Health

Why take this course?

This one-year add-on programme encourages and promotes the professional and personal development of students. Your ability to conceptualise, to draw conclusions based on a rigorous, analytical assessment of situations, and to communicate effectively as part of a team will be enhanced. The degree will equip you with advanced levels of knowledge and skills appropriate to employment at a high level. You will be able, therefore, to discriminate between alternative management strategies and practices in Social Care Work.

What will I experience?

You will also obtain a deeper understanding of your own goals and priorities, and a fuller awareness of your strengths, limitations and potential, through self-assessment, analysis and critical reflection. You will learn the ability to assume key roles in the management, administration, development and delivery of quality care services across a wide range of disciplines. Communities too will benefit, culturally, socially and economically, through the involvement of graduates in community-based project work.

What job opportunities might it lead to?

This programme leads to a qualification which allows graduates to work as a professional Social Care Worker. It will equip students to find employment with different service users in a variety of care settings such as: residential child care; disability sector; youth community and family support services; people who are homeless; travelers; people who are drug or alcohol dependent, and older people.

It is also a recognized stepping stone and qualification to undertake further study to pursue a career as a Social Worker.

What will I study?

Research Project, Contemporary Social Care Practice, Contemporary Social Policy, Applied Psychology in Social Care, Social Care Management.

Electives: Choose one from Interactional Approaches - Art, Drama or Recreation and one from the remaining electives for semester 1. Community Development Practice, Psychotherapy, French, German, Spanish

Choose one elective for semester 2. Interactional Approaches to Social Care (Art, Drama or Recreation), French, German, Spanish, Sociology of Mental Health and Illness, Professional Practice with Older People, Youth Substance Use and Misuse.

Career prospects

The course provides further education and training to work in a wide range of areas within Social Care, thereby enhancing career prospects and professional status.

Further study

As a graduate of this honours degree you may decide to pursue postgraduate training and research leading to master's and PhD (level 9/10) qualifications. AIT's MA in Child & Youth Studies is a very popular level 9 option. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.

Additional information

This programme is also available on a part-time basis.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



Book online

NOW

www.ait.ie/openday



Further study

You will have the opportunity pursue postgraduate training and research leading to master's and PhD (level 9/10) qualifications.



93%

In 2016, 6,258 Children in Ireland were in care. 93% of this figure had an allocated social worker.



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Arts

Department:

Dept of Social Sciences

Minimum Entry Requirements:

Bachelor of Arts in Applied Social Studies in Social Care (level 7) or an equivalent Level 7 Social Care qualification.



Student testimonial

"There were many guest speakers and a lot of real world issues being talked about"

ISSE Survey, Applied Social Studies in Social Care student



Contact us

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Teicneolaíocht Deartha agus Nuálaíochta

Design Technology & Innovation

"This exciting new programme will provide students with a blended learning experience integrating the disciplines of design, technology, and innovation. It converges the principles of design thinking and user-centred research with experimental maker lab practices" *Oliver Hegarty, Head of Department of Design*

Why take this course?

In today's world, design and innovation play a huge role well beyond the creative industries – finding solutions to problems that impact upon every aspect of our lives. Given this rapid pace of change, the agile providers of products and services have to constantly blend design, technical, business and innovation skills to remain competitive. This exciting honours degree in Design Technology & Innovation is a new CAO offering. It provides opportunities to learn how to design, develop and commercialise technology products and services.

This contemporary blended course offering is unique to Athlone I.T. Traditional offerings such as Product Design or Industrial Design generally operate within narrower boundaries. This programme offers the opportunity to synthesise creativity, knowledge and skills from these areas to facilitate innovation in both design thinking and practice.

What will I experience?

The overarching framework for the programme is the 'Design Thinking' process of Empathise, Define, Ideate, Prototype and Test. This is reflected in the programme's four key pillars which include:

- Core Design Studies,
- User & Behavioural Studies,
- Technical Communications,
- Make Lab.

The Core Design Studies pillar develops the student's ability to generate and translate ideas into designs. It develops creativity through idea generation, problem-solving, drawing and presentation techniques.

The User & Behavioural Studies pillar explores the core principles, methodologies, and applications of user research and behavioural studies. Observing users in their world will provide students with the opportunity to empathise with their experience, understand their context, uncover hidden needs, and hear their honest and unfettered feedback.

The Technical Communications pillar develops problem-solving and creative thinking through analysis and solution of problems in both two-dimension and three-dimension graphics. Graphics and design are communicated using a variety of media including computer-aided design (CAD).

The Make Lab pillar provides opportunities to build interactive systems to solve problems in human-centred design and engineering. Learners will specify, design, build and justify design solutions in terms of user experience and technical design choices.

Students will draw upon design thinking processes and user-centered research techniques to better understand user journeys, pain points and unmet needs. They will also learn to experiment with and use innovative technologies and materials in the development and prototyping of product and process design experiences.

What job opportunities might it lead to?

The future career opportunities for graduates from this programme are bright. Design has never been more valued as an economic force, nor has it been as culturally influential as it is now. Startup companies increasingly recognize the value of including designers in the early stages of business development. Design's adaptability in continuously evolving environments is what makes its practices relevant in times of change. Financial companies and management consultancies now have their own design teams, and include "design" in their service portfolios. Large corporations are bolstering their in-house design capabilities, and appointing designers to executive roles.

The above companies are seeking graduates with the blend of skill sets which graduates from this programme will possess. Examples of recent vacancies advertised by leading companies in this field include:

- Visual Designer,
- Web Designer,
- Content Designer,
- Human-centered Designer,
- Environmental Designer,
- Creative Designer,
- Data Designer,
- Front End Developer,
- Design Consultant,
- Design Researcher,
- Business Designer,
- Service Designer,
- Service & Interaction Designer · UI/UX Designer,
- Designer for Social Innovation and Sustainability,
- Designer for Social Impact.

What will I study?

Year 1 - Semester 1 subjects

Introduction to Visual Language and Design Studio
Introduction to User Research
Technical Communications
Hello Lab

Year 1 - Semester 2 subjects

Ideation & Visualisation
Usability Research Techniques
Electronics, Programming and Interfacing with Design
Physical Computing



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Year 2- Semester 3 Subjects

User Centred Design
Electronics for Design
Lab - Electronics for design

Year 2- Semester 4 Subjects

Design Context & Professional Practice
System and Services Design
Mechanics for Design
Lab - Mechanics for Design

Year 3- Semester 5 and 6

Industry Placement

Year 4- Semester 7 Subjects

Design & Innovation – The Designer as Entrepreneur
Theory/Thesis – Critical Writing 1
Advanced CAD
Capstone Project

Year 4 Semester 8 Subjects

Business for Designers
Theory/Thesis – Critical Writing 2
Capstone Project – Presentation of Documentation

Work placement

One of the key features of this programme is that all of Year 3 is devoted to acquiring work experience in relevant work settings. AIT is currently exploring those opportunities with potential employers.

Further study

AIT is currently planning the development of a Master's degree programme to facilitate graduates from this programme who wish to progress to further study within Design. Our staff in the Design department or in the Careers Office can advise on the range of other opportunities available in AIT, in Ireland and abroad. Full details of all current postgraduate programmes at AIT are contained in the postgraduate prospectus.

Code - AL862

Level - 8

DURATION - 4 years

Cut-off CAO points:

New

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Design

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants must possess distinctions in three modules. Applicants are required to have a merit in the module Mathematics (5N1833) included in their award or alternatively have Leaving Certificate Mathematics at H6 or O5.

Mature applicants are not required to meet these minimum entry requirements. However, an interview may form part of the selection process.



Contact us

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For more information on our courses visit www.ait.ie/al862

Beochan agus léaráid

Animation and Illustration

"Ireland is internationally recognised for the calibre of its illustrators and animators. This programme is designed to prepare learners for a professional career in this exciting field. Learners will study fundamental skills and develop their knowledge using traditional techniques as well as the latest computer technology"

Oliver Hegarty, Head of Department of Design

Why take this course?

This programme is unique to Athlone IT. No other educational provider in Ireland offers a programme combining animation and illustration at undergraduate or postgraduate level in Ireland.

Graduates of this Level 8 degree programme will have the capacity to apply their knowledge to a broad range of creative areas including character animation, visual storytelling, production design, background painting, print and book illustration.

What will I experience?

You will develop into an imaginative, confident, creative individual capable of thriving, exploiting and adapting to a rapidly changing visual culture and to the world of communication, education, entertainment, and advertising. You will be allowed to give full vent to your creativity and explore all sorts of areas where your illustration and animation skills could be used.

You will be encouraged to cultivate your creative abilities and technical skills through an understanding of the connections between illustration and animation and by creating sequential narratives using traditional and cutting-edge digital image-making techniques. This programme will particularly suit applicants who wish to work in creative industries that value artistic talent, inventiveness and individuality.

What job opportunities might it lead to?

Did you know that Ireland has received 5 Oscar nominations since 2002 and Will Slaney from Cork currently works for Marvel and draws the Spiderman character? Due to the significant growth in the Irish animation and illustration industry, the sector has become a central component of Ireland's digital and creative economy, increasing career opportunities considerably.

While it is still a niche industry, the sector is growing with a host of successful home-grown animated series, feature films and co-productions. Ireland has talented and technically sophisticated 2D and 3D studios creating and producing content for TV, film, games, mobile and apps.

What will I study?

Year 1

Explorative Practice/Drawing
Explorative Practice/Animation
Explorative Practice/Image-Making
Explorative Practice/Ideation
Creativity in Context

Year 2

Studio Practice/Drawing
Studio Practice/Animation
Studio Practice/Image Making
Narrative and Character Creation
Practice in Context
Theory into Context: Themes and Theory

Year 3

Animation Illustration Studio – Process to Production
Professional Practice: Pre-Placement
Theory into Context: Research and Review
Practice Placement or Project

Year 4

Animation Illustration Studio – Individual Practice
Professional Practice: Confirmation
Theory into Context: Dissertation

Work placement

In year 3, students undertake a 5 months placement between early January and late June or Project

Career prospects

The BA (Hons) in Animation and Illustration will equip graduates to carry out a number of roles in animation production associated with short films, feature animations, TV production and TV advertising, special effects and short films. Other specific roles titles include: background artists, 3D artist, animator, CGI animator, agency illustrator, illustration artist assistant and character artist.

This programme will particularly suit applicants who wish to work in creative industries that value artistic talent, inventiveness and individuality.

Further study

An honours degree (level 8) is an effective basis for postgraduate training and research leading to Master's and PhD (level 9/10) qualifications. Staff in the department and in the Careers Office can advise on the range of opportunities available at AIT and elsewhere for such postgraduate programmes. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement or Project on campus.

Code - AL861

Level - 8

Duration - 4 years

Cut-off CAO Points:

605*

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Design

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

Note: An F2 in foundation level mathematics will be accepted as meeting the minimum mathematics requirement.

*For all applicants, portfolio presentation and interview is required.

QQI:

Applicants must hold one of the following awards: (5M1984) Art, Craft, and Design, (5M1985) Art, (5M1995) Graphic Design. Distinctions are required in 3 modules. *For all applicants, portfolio presentation and interview is required.

Mature applicants are not required to meet minimum entry requirements. For all applicants, portfolio presentation and interview is required.

Contact us

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For more information on our courses visit www.ait.ie/al861





Portfolio requirements for Animation and Illustration

The portfolio should reflect the applicant's enthusiasm for studying the two main subject areas and demonstrate a high level of skill, creativity, experimentation and inventiveness through a wide range of media. Applicants are advised to choose only their best, most original work. The following examples are designed to give applicants an idea of the type and range of material to include. No applicant is expected to include all of the items on the list.

Volume of work

Fifteen pieces of work. We are looking for quality not quantity. Include research and development.

Range of work

Work should include drawings, painting, printmaking, collage, mixed media, photography and 3D work.

Drawing

A variety of observational drawings, such as life drawing, drawings of people, animals, landscapes, objects. Include a variety of poses and media, showing line, tone and texture.

Storyboards

A storyboard depicting a known or an original story. The panels should tell the story using good composition, lighting and character posing. The drawings must be clear and impressive.

One sketchbook

Work should show artistic/cultural interests as well as thought process and ideas. To contain 5 to 10 minutes' drawings from life. Include people and animals, still and moving, the environment, building interior and/or exterior.

One visual diary

To show project research and development as well as applicant's thought process, ideas and thumbnail sketches, indicating their interest in animation and illustration.

Originality of work

Work must be original. Drawings of established cartoon characters and work copied from books should not be included. Examples of animation shorts, film and samples of scripts or creative writing (such as children's stories, short stories, poetry) are welcome but not compulsory.

Submission of portfolio

Applicants must present a portfolio of their selected work. This can be submitted in the traditional manner or in digital format. Digital work must be submitted on DVD or CD. Applicants submitting work in digital format should double-check that any links to Flickr/Vimeo can be easily accessed by our lecturing staff prior to submitting their material.



Portfolio requirements for Graphic Design

The work presented should have been carried out during the past two years and must be the result of your own observations. Reproductions i.e. drawings or paintings copied from magazines, books, etc. should not be included. Edit your portfolio – demonstrate your ability to be selective. Aim for quality, not quantity.

The portfolio should contain a minimum of 15 presentation sheets of art and design work, A1 or A2 size.

Drawing

Studies in line and tone, based on your immediate environment, including life drawing and still life, in a range of media which reflects the subject matter, should be included. Detailed studies from a variety of views are always relevant.

Visual enquiry

Explorations/investigations of an object or a place through studies in line, tone, shape, form, colour and texture should form part of the portfolio. These studies should be the result of careful observation. The use of a wide range of media should always be considered. Full-size and detailed studies from a variety of views should be included. The use of photography, printmaking and collage is also recommended.

Design-based problem solving projects

Include projects demonstrating your ability to solve problems and develop ideas. Projects involving research and analysis, similar to those in the design syllabus of the Leaving Certificate examination, are suitable. Back-up evidence for final pieces of work (the research, analysis, initial sketches and the development of the work) should also be presented.

Sketchbooks

Two sketchbooks, showing the visual development of art and design techniques, design thinking and media manipulation which have become finished pieces in your portfolio. The sketchbooks can also contain work that didn't make the final presentation as an example of your working process. Sketchbooks should reflect your interests and be a collection of visual information from your environment. A variety of media and approaches should be employed.

Submission of portfolio

Applicants must submit a portfolio of their selected work. This can be submitted in the traditional manner or in digital format. Digital work must be submitted on DVD or CD. Applicants submitting work in digital format should double check that any links to Flickr/Vimeo can be easily accessed by our lecturing staff prior to submitting their material.

Mature applicants

The Institute considers applicants who are 23 years or over on 1 January in the year of entry to be mature applicants. Such applicants may not be required to have the minimum entry requirements. However, the Institute will look for satisfactory evidence of the applicant's ability to pursue and benefit from the course. Knowledge and skills gained through experiential learning will be taken in account. Such applicants should apply through the CAO system, and will be required to present a portfolio and attend an interview at AIT as part of the selection process.

Dearadh Grafaic

Graphic Design

"As a graduate of this course, I can confidently say that AIT have provided me with excellent preparation for a rewarding freelance or studio career in graphic design. Many of my classmates have found work with highly respected companies in Ireland and abroad" *James Comer, Graphic Design graduate*

Why take this course?

The role of the graphic designer is a hugely exciting and varied one, working across a variety of media and utilising different communication tools to convey a message or an idea. The new three-year BA in Graphic Design was developed to equip design students with the necessary skills to work in this fast-paced world. Of particular note is the work placement, which you will undertake in the second year of the degree. The programme itself comprises a series of core modules in studio and professional practice and critical theory.

What will I experience?

The theme of the first year is Fundamentals and this is shared across the core areas of Design Methods, Visual Research and Exploration, Professional Practice, and Visual Culture and Contextual Studies.

The theme of year two is developmental design, which engages closely with content and the interdependencies of form and content. The Graphic Design Visual Word module sees a design focus centred on typography and the integration of typography and image. Visual Culture and Contextual Studies reinforces this notion by examining the cultivation of ideas in art and design in the 20th century and its influence on contemporary graphic design.

Professional Practice in Corporate Identity further examines these formal relationships and structures in corporate visual communications through case studies and project work.

In the second semester you will undertake a placement for one day each week for a period of 10 weeks and a block of 3 weeks, commencing in May. The first-hand industry experience will give you a valuable insight into the workings and requirements of the industry and inform your learning in year three.

The theme of third year is Live Focus whereby a contextual understanding of design as an outwardly focused activity is practiced. This is underpinned in Visual Culture and Contextual Studies.

What job opportunities might it lead to?

Design students at AIT have a track record of winning awards at local, national and international student assessment schemes and competitions. Graduates enjoy excellent employment prospects in Ireland and overseas, and are employed in graphic design companies, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second level, PLC and third level courses.

Access to staff members with a very wide-ranging body of knowledge and experience in both visual communications and fine art practice, both at national and international levels. You are guaranteed one-to-one learner/lecturer interactivity, in a purpose-built environment with excellent personal studio space and production facilities.

What will I study?

Year 1

- Graphic Design - Looking anew,
- Visual Research & Exploration,
- Professional Practice - Communications & Personal Development,
- Visual Culture & Contextual Studies 1,
- Design Methods,
- Visual Image & Meaning,
- Visual Culture & Contextual Studies 2,
- Professional Practice - Communications & Professional Development.

Year 2

- Graphic Design & The Visual Word,
- Image Creation & Animation,
- Visual Culture & Contextual Studies 3,
- Professional Practice in Corporate Identity,
- Graphic Design - A Critical View,
- Image Creation & The Moving Image,
- Professional Practice - Industry Placement,
- Visual Culture & Contextual Studies 4.

Year 3

- Designing Brand Identity,
- Image-based Narratives,
- Visual Culture & Contextual Studies,
- Professional Practice in Collaborative Environments,
- Studio Live Design,
- Major Design Project,
- Professional Practice in Personal Promotion,
- Visual Culture & Contextual Studies 6.

Work placement

In the second semester you will undertake a placement for one day each week for a period of 10 weeks and a block of 3 weeks, commencing in May. The first-hand industry experience will give you a valuable insight into the workings and requirements of the industry and inform your learning in year three.

Career prospects

Graduates enjoy excellent employment prospects in Ireland and overseas, and are employed in graphic design companies, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second, PLC and third level courses.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL763

Level - 7

DURATION - 3 years

Further study

As a graduate of this ordinary degree you are eligible to apply to join the add-on Bachelor of Arts (Hons) in Graphic and Digital Design programme, subject to end of year results at AIT or related level 8 programmes at other third-level institutions.



Possible careers

WEB DESIGN
ILLUSTRATION
ANIMATION
CREATIVE DIRECTOR
PRINTMAKER
PRODUCTION DESIGNER
FILM-MAKING
PHOTOGRAPHY
UX DESIGNER
SET DESIGNER
FASHION DESIGNER

Cut-off CAO points:

750*

Course award:

Bachelor of Arts

Department:

Dept of Design

Minimum entry requirements:

Grade O6 in five subjects. Two of these subjects must be mathematics and a language (English or Irish). Note: An F2 in foundation level mathematics will be accepted as meeting the minimum mathematics requirement. *For all applicants, portfolio presentation is required.

QQI:

Any QQI level 5 qualification is acceptable.

Mature applicants:

Mature applicants are not required to meet minimum entry requirements. For all mature applicants, portfolio presentation and interview is required.



Student testimonial

"The help and support from staff and students is excellent! They help in every way possible to make the learning experience easier for you!"
ISSE Survey, Graphic Design student



Contact Us

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For more information on our courses visit www.ait.ie/al763

Dearadh Grafach agus Digiteach

Graphic & Digital Design (Add-on)

"Our Level 8 Graphic & Digital Design degree provides students with the technical design skills, critical thinking skills and practical professional development skills to engage with the challenges of contemporary creative practice in the design industry" *Oliver Hegarty, Head of Department of Design*

Why take this course?

This one-year Level 8 add-on is a natural progression for graduates of our Level 7 BA in Graphic Design, or comparable Level 7 graduates, offering the opportunity to engage in an innovative honours degree programme. The course integrates theory and practice to prepare students for a career as graphic and digital designers in an industry which is in a constant state of innovation. It is designed to ensure that students are communicating creatively and strategically, acquiring the latest industry standard technical skills and become capable of working across media platforms.

What will I experience?

The course is focused around contemporary design practices and aims to develop students' critical awareness of professional design practice. The environment is also conducive to aiding the realisation of a personal creative vision. The diversity of the peer group will both challenge and engage each designer to articulate their concepts coherently both in individual pursuits and those of a team-based setting in written and digital forms.

Each student will be encouraged to explore and take risks with static and moving imagery, sound and text while understanding and developing critical awareness of professional design practice. Students will take part in a live industry led project to develop their knowledge and skills to respond to client and audience complexities and to develop entrepreneurship and foster professional links.

What job opportunities might it lead to?

It's an exciting time for design in Ireland with increasing recognition of the value of design from across the spectrum of government, corporates and start ups which are all investing more into this growing sector. Its influence is growing both economically and culturally. Career opportunities currently being advertised include: graphic designers; user interface designers; motion graphics designers; editorial designers; creative advertising; production coordinators; and other career opportunities in the arts, film and television.

Our graduates will be regarded as creative, informed and highly skilled designers, ready to work and quickly progress their careers in design or confidently pursue further study in this or related fields. Graduates will be capable of working as a team member displaying up-to-date knowledge and skills across print and digital platforms.

What will I study?

Design for Time Based Media (10 credits)

Aims to build creative ability and technical know-how in the practice of Motion Graphics, Audio and Video, Animation and Scriptwriting.

Experience Design (10 credits)

Students will develop a holistic approach to their design practice which is creatively and strategically human centered. They will work across multi channel approaches synthesising Ideation, Graphic Design, Data Visualisation, User Interface (UI), User Experience (UX) and Experience Design (XD).

Theory to Practice (10 credits)

Combines design theory with design practice from within the studio. It is based upon the department's foundational premise that the studio practice is inherently linked to developing the capacity for critical, theoretical and historical reflection.

Live Studio (10 credits)

Designed to provide students with the opportunity to participate and fully engage in 'real world' live design projects.

Final Project (10 credits)

Designed to provide students with the opportunity to initiate, develop, resolve and bring to fruition a major body of creative and self-directed design work.

Theory to Showcase (10 credits)

Students produce a Critical Context Paper comprised of a written component and a designed document embodying the integration of work from this and their studio modules which reflect upon and articulate their studio practice work

Further study

AIT is currently developing a new masters programme to facilitate student progression to further postgraduate education at Level 9. Currently, our Level 8 graduates progress to further study in other colleges including NCAD, IADT etc. Some of our graduates have progressed to further education in areas, such as, teaching (Art) in CIT – Crawford College of Art & Design and in other colleges.



Further study

As a graduate of this programme you can apply for a Postgraduate Diploma in Education programme at Irish universities to be recognised to teach the subject art.

Add-on course

Level - 8

Duration - 1 year

Cut-off CAO points:

New

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Design

Minimum entry requirements:

Bachelor of Arts in Graphic Design level 7 or equivalent qualification in Design will be required for entry to this programme.

Bachelor of Arts (Hons) in Graphic & Digital Design



Contact us

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For more information on our courses visit www.ait.ie/courses

Eolaíocht Sláinte le Cothú

Health Science with Nutrition

"Students will experience an evidence based approach and a comprehensive understanding of the relationship of diet and lifestyle to health. Graduates will have a wide range of skills and knowledge required by Nutritionists and Health Scientists" *Dr. Patricia Heavey, Lecturer*

Why take this course?

This BSc (Hons) in Health Science with Nutrition programme is a unique interfacial degree with an equal emphasis on both nutrition and health science. This programme provides an approach to nutrition that is based on the scientific and academic principles of biology, biochemistry, social and public health aspects of human nutrition, as well as encompassing emerging issues such as biotechnology, food sustainability and security. The primary aim of the programme is to develop expertise in nutrition and apply this knowledge and related skills to health science and public health.

This synergistic approach to nutrition and health science provides students with a greater understanding of the integration of these elements and the vital role of nutrition in public health and health promotion initiatives. Core studies include nutrition, food science, nutrition throughout the lifecycle and in health and disease. These are complimented by the behavioural sciences, health policy, research methods, epidemiology and new developments in health in the areas of biotechnology and microbiology are included. In this programme, principles related to the primary healthcare service, strategies and methods for promotion and evaluation of health are also explored and evaluated.

The programme is underpinned by a strong foundation in the core sciences supporting health science with nutrition and a rigorous scientific approach is central to the entire programme.

Graduates develop the capacity for independent learning, critical thinking and reflective and evidence-based best practice, as well as problem solving and team-working capabilities. These skills, coupled with a strong focus on the work placement component in Year 3 assist graduates in preparing for a successful and productive career in the area of nutrition and health. The professional work placement provides students the opportunity to consolidate and extend their knowledge of nutrition and health science with a structured introduction to employment and to gain valuable experience of the culture, nature and structure of a working environment.

AIT's health science with nutrition degree perfectly aligns with national and international policy to encourage people to live healthier lives. AIT has an international track record of undertaking research at a pan-European level into food technologies and food safety.

What will I experience?

Students will complete a 15-week placement in health promotion, health/nutrition research, food industry or nutrition regulatory bodies. It is intended that on

completion of their professional work experience, students will have a greater understanding of the role of the Health Professional and a greater appreciation of the relevance of technical information presented to them in their degree.

Students will see the practical applications of many subjects, analyses and principles, will have the opportunity to improve their written, oral and communication skills and to practice appropriate professional conduct in the workplace.

What job opportunities might it lead to?

Employment opportunities include: health sector, health promotion, research, food industry and food regulatory affairs, health science journalism and nutrition adviser.

What will I study?

Year 1

Chemistry, Fundamentals of Health Science and Human Nutrition, Introduction to Health Promotion, Mathematics for Sport and Health, Learning and Development for Higher Education, Human Physiology, Genetics and Molecular Biology, Information Technology for Scientists, Health and Wellness.

Year 2

Health Policy, Nutritional Assessment, Human Pathophysiology, Human Biochemistry, Organic Chemistry, Human Psychology, Health Promotion, Statistics for Sport and Health Science, Food Science, Marketing and Applied Entrepreneurship and Microbiology.

Year 3

Epidemiology in Public Health and Nutrition, Public Health and Community Nutrition, Physical Activity and Health, Nutrition through the Life Cycle, Health Psychology and Sociology, Health and Nutrition Research Methods, Professional Work Experience Placement.

Year 4

Health Promotion and Population Health, Public Health and Nutrition Education, Research Project, Biotechnology for Nutrition and Health, Microbiology for Nutrition and Health, Ecological Issues in Food and Health, Nutritional Biochemistry in Health and Disease, Biostatistics in Human Health, Nutrition in Health and Disease.

Work placement

Students will have the opportunity to undertake a placement in the area of nutrition and health and to gain valuable experience of the culture, nature and structure of a working environment.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Further study

Completion of the BSc (Honours) Health Science with Nutrition does not qualify the graduate to practice as a Dietitian. However, on completion of the BSc (Honours) Health Science with Nutrition degree, students can undertake postgraduate studies to obtain their Dietetic qualification.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online
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www.ait.ie/openday



For more information on our courses visit www.ait.ie/al836

Code - AL836

Level - 8

DURATION - 4 years

Cut-off CAO points:

346

Course award:

Bachelor of Science (Hons)

Department:

Dept. of Sport & Health Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

3 places reserved for QQI students QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have a merit in the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics at O5. They must also possess distinctions in three modules.



Student testimonial

"I can honestly say that this course offers the perfect combination of theoretical and practical learning. The amazing opportunity of a work placement has provided me with invaluable first-hand experience essential for gaining employment as a graduate"

Rebecca McGrath, Graduate



Contact us

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Eolaíocht Spóirt le Ceacht Fiseolaíocht

Sports Science with Exercise Physiology

"The Sport science course at AIT focuses on the application of scientific research to improve athletic performance and health. Within this degree students will focus on physiology, biomechanics, psychology, nutrition, and strength and conditioning" *Dr. Ciarán Ó Catháin, Lecturer in Sports Science*

Why take this course?

AIT's modern state-of-the-art sports science equipment and facilities makes studying sports science at Athlone different from other colleges. AIT places an emphasis on practical development equipping students with the skills to enter sports science employment once they complete the degree programme.

This four-year BSc (Hons) in Sports Science with Exercise Physiology will equip students with the necessary skills to meet the needs of elite athletes, as well as the health and fitness requirements of the general population.

What will I experience?

This degree combines areas such as performance testing, nutrition, exercise therapy for recovery and biomechanics. Over the course of four years, you will learn how the human body operates, from the physiology of the heart, to the operation and interaction of the respiratory, nervous, urinary and reproductive systems.

You will learn about the biomechanics of sport and how this can be modified to improve performance. Furthermore, you will study the pathophysiology of injuries and diseases and the use of exercise in rehabilitation from these conditions. You will develop expertise in testing and analysing athletes' performance, including the physiology of the high performance athlete in a state-of-the-art sports science laboratory (featuring treadmills, watt bike and other performance bikes, alter-g treadmill, optojump, dartfish, douglas bags, metabolic system, lactate threshold testing and much more).

The degree also includes modules on sports psychology and coaching. As a student on the degree, you will be facilitated in acquiring coaching qualifications in your chosen sporting activity by liaising with the relevant national governing body and timetabling the training sessions on a specific day. A unique part of this programme is the six-month work placement undertaken in the summer of third year. This will provide you with valuable experience of the working environment in the sports science and exercise physiology field.

What job opportunities might it lead to?

More than 38,000 people are employed in this industry in Ireland, with 270,000 volunteers active across all sporting codes. As a graduate of this degree, you will be eligible to pursue employment in areas such as the testing and monitoring of elite performers, coaching education, sports journalism, sport and exercise consultancy, health promotion and in research.

What will I study?

Year 1

Learning and Development for Higher Education, Mathematics for Sport and Health, Fundamentals of Sports Science, Cell Biology, Chemistry, Human Physiology Introduction to Biomechanics, Introduction to Coaching, Introduction to Sport and Exercise Psychology.

Year 2

Introduction to Neuroscience, Sports Biochemistry and Exercise Metabolism, Performance Testing for Sport and Exercise Science, Sports Nutrition, Sport and Exercise Psychology, Anatomy for Sports Science, Applied Human Physiology, Evidence Based Learning, Statistics for Sport and Health Science, Kinesiology, Biomechanics and Motor Control, Marketing and Applied Entrepreneurship.

Year 3

Clinical Populations, Health and Nutrition Research Methods, Sports Injuries Performance Analysis, Sport and Exercise Physiology, Applied Coaching Science, Placement.

Year 4

Physiology of the High Performance Athlete, Research Project, Advanced Sports Nutrition, Strength and Conditioning Clinical Populations, Advanced Biomechanics, Rehabilitation and Return to Competition, Advanced Psychology in Sports and Exercise.

Additional information

Athlone Institute of Technology has invested millions of euro in its indoor and outdoor facilities. The sporting infrastructure on campus includes an IAAF-approved athletics track and a FIFA 2-star astro-turf pitch, while the new indoor sports arena opened in 2013. The indoor facilities include an athletics track, a multi-sport arena (suitable for futsal, basketball, etc.), as well as comprehensive support facilities for elite athlete training.

Students on the BSc (Hons) in Sports Science with Exercise Physiology programme will be required to achieve learning outcomes in coaching various sports and sports activities. The learning process will involve the coaching of both individuals and teams in a variety of sporting areas. Inevitably, children and vulnerable adults will form a subset of those individuals requiring coaching. In order to safeguard the rights and interests of children and vulnerable adults, students registering on the BSc (Hons) in Sports Science with Exercise Physiology will be required to obtain garda clearance through the Garda Central Vetting Unit (TGVCU).

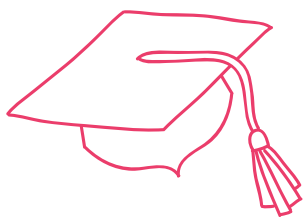


Further Study

As a graduate you will be eligible to pursue research MSc/PhD programmes in sports science and related areas as well as taught masters programmes in cognate areas.

Further Study

As a graduate you will be eligible to pursue research MSc/ PhD programmes in sports science and related areas as well as taught master's programmes in cognate areas. In addition, over the coming years the Faculty of Science and Health intends to develop in-house taught master's programmes for sports science and exercise physiology graduates.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

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www.ait.ie/openday



For more information on our courses visit www.ait.ie/al837

Code - AL837

Level - 8

Duration - 4 years

Cut-off CAO points:

354

Course award:

Bachelor of Science (Hons)

Department:

Dept. of Sport & Health Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

2 places reserved for QQI students QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.



Student testimonial

"This course encompasses a wide range of modules, such as physiology, performance analysis, special populations and psychology, to ensure all students become well-rounded practitioners"

Keira Ward, Graduate



Contact us

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Teiripe agus Athshlánú Lúthchleasach

Athletic and Rehabilitation Therapy

"The course prepares you really well for what you'll be doing after you graduate. You work with a team/club from second year, you manage the team's fitness and cover match days, including assessing injuries pitch side"

Conor Maguire, Athletic and Rehabilitation student

Why take this course?

The term sports injury refers to the kinds of injuries that most commonly occur during sports or exercise. Some sports injuries result from accidents; others are due to poor training practices, improper equipment, lack of conditioning, or insufficient warm-up and stretching.

Although virtually any part of your body can be injured during sports or exercise, the term is usually reserved for injuries involving the musculoskeletal system, including the muscles, bones, and cartilage e.g., tennis elbow, runner's knee, breaks to bones, torn ligaments and torn tendons. In this honours degree, students will become skilled in the prevention, assessment, diagnosis, treatment, and rehabilitation of musculoskeletal injuries related to physical activity.

What will I experience?

In first year, the basic building blocks of science are introduced, as well as a number of modules which build on transferable skills and pave the way for the transition to third level education. Athletic rehabilitation therapy is introduced as a profession and students will have the opportunity to become involved in the pre-participation screening of injuries in various teams including collegiate and professional teams. In the second year, anatomy, conditions and injuries serve as the theme, while students will be introduced to clinical practice through student-led clinics and practical placements.

In year 3, clinical practice with student-led clinics is further developed and the main themes are injuries, diagnosis and therapies, thereby creating the foundation pillars for the clinical practice placement which takes place in the first semester in year 4.

In the final year, the emphasis is on advanced clinical and rehabilitation techniques; the clinical practice placement has an embedded research project strand. The final year is really a capstone year designed to cap all the skills acquired by the student throughout the four years of the programme, preparing them for the profession of Athletic Rehabilitation Therapy and employment as a professional clinical practitioner. A key element of this course is that Pre-hospital Emergency Care Council of Ireland (PHECC) approved first aid courses are embedded into the course. Students will become certified Cardiac First Responders (CFR) and Emergency First Responders (EFR) by Year 2 of this programme.

What job opportunities might it lead to?

As a graduate from this programme, you may expect to find rewarding careers in the areas of sports injury clinics, employment with amateur and professional sports clubs and teams, employment with national governing

bodies of sports associations, and in health and fitness centres. You could also be self-employed as an Athletic Rehabilitation Therapist. Other areas of activity include preventing, treating and the rehabilitation of injuries in sport and physical activity arenas.

Following graduation students can transfer to a wide range of postgraduate courses at both MSc and PhD level in AIT, nationally and internationally. An honours degree is an effective basis for postgraduate training and research leading to master's and PhD (level 9/10) qualifications.

What will I study?

Year 1

Learning and Development for Higher Education, Mathematics for Sport and Health, Introduction to Athletic and Rehabilitation Therapy, Anatomy of the Upper and Lower Quadrant, Cell Biology, Human Physiology, Marketing and Applied Entrepreneurship, Fitness Injury Prevention, Introduction to Biomechanics, Human Physiology, Introduction to Sport and Exercise Psychology.

Year 2

Emergency First Response, Sports Nutrition, Legal and Ethical Issues in Sport, Anatomy and Conditions of the Spine, Performance Testing for Sport and Exercise, Injuries and Therapies, Applied Human Physiology, Kinesiology, Biomechanics and Motor Control, Injuries and Therapies, Introduction to Clinical Practice with Student Led Clinics, Anatomy and Conditions of the Head, Thorax and Abdomen.

Year 3

Application of Clinical Reasoning with Student-Led Clinics, Research Methods Drugs in Sport, Orthotics and Strapping, Injuries and Therapies, Advanced Sports Therapies, Rehabilitation and Return to Competition, Trauma Management, Diagnostic Imaging, Sport and Exercise Psychology.

Year 4

Clinical Practice Placement, Research Project, Clinical Practice with Student Led Clinics, Strength and Conditioning, Psychology of Sports Injuries and Rehabilitation.

Star clinic

The "STAR clinic" is a key feature of this course, where students themselves manage and run an assessment and treatment clinic under the supervision of teaching staff.

Work placement

Placements occur from Year 2 onwards and culminate in a six-month placement in Year 4.



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Further study

Following graduation students can transfer to a wide range of postgraduate courses at both MSc and PhD level in AIT, nationally and internationally. An honours degree is an effective basis for postgraduate training and research leading to master's and PhD (level 9/10) qualifications.

Additional information

This course is accredited by Athletic Rehabilitation Therapy Ireland (ARTI) and successful graduates of this course will be eligible to apply to become certified Athletic Rehabilitation Therapists (ARTC). Further information on ARTI is available at www.arti.info.

Students on the BSc. (Hons) Athletic and Rehabilitation Therapy programme will be required to achieve the learning outcomes for treating sports-related injuries. The learning process will involve treating both individuals and teams in a variety of sporting areas. Inevitably, children and vulnerable adults will form a subset of those individuals requiring treatment.

National Vetting Bureau

In order to safeguard the rights and interests of children and vulnerable adults, students registering on the BSc (Hons) in Athletic and Rehabilitation Therapy programme will be required to obtain garda clearance through the Garda Central Vetting Unit (TGVCU).

Code - AL841

Level - 8

Duration - 4 years

Cut-off CAO points:

405

Course award:

Bachelor of Science (Hons)

Department:

Dept. of Sport & Health Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

2 places reserved for QQI students. QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have a merit in the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics at O5. They must also possess distinctions in three modules.



Lecturer testimonial

"This course emphasises the development of practical skills among students, ensuring they are work ready after their four year course. Students will participate in clinics where they gain hands on experience dealing with a variety of injuries"

Anna Postawa, Lecturer



Contact us

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For more information on our courses visit www.ait.ie/al841

Gníomhaíocht Choirp agus Sláinte

Physical Activity and Health

“Students will study the important factors that influence physical activity and nutritional behaviours, and learn how to effectively change these behaviours. Graduates will be specialists in behaviour change”

Dr. Kieran Dowd, Lecturer in Physical Activity and Health

Why take this course?

This is a unique course primarily due to the multidisciplinary approach to physical activity and nutrition for public health. No existing course within the Republic of Ireland produces graduates with an in-depth knowledge of both physical activity and nutritional interventions, while bringing together the social, behavioural, biological and biomedical sciences to facilitate the development and improvement of existing interventional techniques.

Being physically active and having a healthy diet are important for people of all ages to maintain their health and well-being. As the number of people with diseases associated with physical inactivity and poor nutrition increases, the roles of exercise, physical activity and dietary behaviour in health promotion are gaining more importance.

This programme draws upon expertise from psychologists, dietitians, exercise and sport scientists and public health professionals to provide you with the knowledge and skills to improve the general health of various sectors of society using exercise programmes, physical activity and nutrition.

If you would like to be part of the national and local effort to improve the health and well-being of this country, then this is the course for you.

What will I experience?

This programme draws upon expertise from psychologists, nutritionists, exercise and sport scientists and public health professionals to provide you with the knowledge and skills to improve the general health of various sectors of society using exercise programmes, physical activity and nutrition.

What job opportunities might it lead to?

There are several career pathways open to you as a graduate of this degree. These include the following:

Employment with Health and Fitness Centres/GP Exercise Referral Schemes. Employment within large multinational companies based in Ireland such as Physical Activity and Health Intervention Coordinators/Physical Activity and Health Coach for employees.

Potential employment within hospitals/primary care centres as Physical Activity and Health Intervention Coordinators, Community Wellness Programme Coordinator, Lifestyle Manager, Health Promotion Consultant/Policy Officer (both public and private sectors, NGOs – e.g., Principal Officer – Department of Health and Children), Physical Activity Coordinator/Administrator (within the HSE or other bodies), Health Promotion

Officer – Charitable Trusts and Voluntary Organisations – Irish Heart Foundation, Sports Development Officer (e.g., within Local Sports Partnerships or Sporting Organisations), Exercise and Physical Activity Coordinator for Active Retirement Groups, Youth Services/Clubs Exercise and Physical Activity Programme Coordinator, Special Needs Physical Activity Programme Coordinator, Project Manager – Implementation National Task Force on Obesity (HSE).

What will I study?

Year 1

Chemistry for the Health Sciences, Physical Activity for Health across the Lifespan, Human Physiology 1, Learning and Development for Higher Education, Quantitative Methods for the Health Sciences, Cell Biology, Introduction to the Psychology and Sociology of Health, Fundamentals of Human Nutrition, Health and Wellness, Human Physiology 2.

Year 2

Physical Activity Policy, Guidelines and the Future, Evidence Based Learning, Nutrition for Health, Fundamentals of Sport and Exercise Science 1, Introduction to Health Promotion, Sports Biochemistry and Exercise Metabolism, Fundamentals of Sport and Exercise Science 2, Applied Human Physiology, Statistics for Sport and Health Science.

Year 3

Clinical Populations 1, Health Psychology and Sociology, Epidemiology in Public Health, Physical Activity and Nutrition, Public Health and Community Nutrition, Physical Activity and Health Research Methods, Professional Work Experience Placement.

Year 4

Research Project, Physical Activity and Nutrition in Health Promotion for Population Health, Physical Activity and Nutrition Education in Public Health, Biostatistics in Human Health, Clinical Populations 2, Psychology of Motivation and Health Risk Behaviour Change, Interventions for Physical Activity and Health Promotion.

Work placement

In year 3, students undertake a 6-month placement between early January and late June, 35 hours per week.

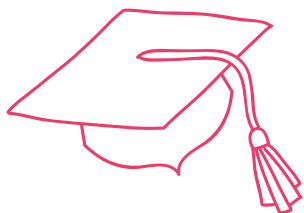
Further Study

Graduates can transfer to a wide range of postgraduate programmes at both MSc and PhD levels in AIT, nationally and internationally. An honours degree is an effective basis for postgraduate training and research leading to master's and PhD (level 9/10) qualifications.



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

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For more information on our courses visit www.ait.ie/al843

Code - AL843

Level - 8

DURATION - 4 years

Cut-off CAO points:

306

Course award:

Bachelor of Science (Hons)

Department:

Dept. of Sport & Health Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

2 places reserved for QQI students. QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate Mathematics. They must also possess distinctions in three modules.



Student testimonial

"On this course, we get the opportunity to learn practical clinical skills in very high quality laboratories. The small class sizes also mean we get more time learning these skills"
Riona Flaherty, Physical Activity & Health student



Contact us

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Biteicneolaíocht

Biotechnology

"Students on this course will attain a range of key skills over their four years with us. Some of these key skills will include planning, technical laboratory competencies and analysis of data" *Dr. Don Faller, Dean of Faculty of Science and Health*

Why take this course?

Biotechnology is the manipulation of living organisms, cells, genes or molecules to develop services and products that benefit mankind and have commercial value. Biotechnology is a dynamic and evolving area, which is making significant contributions to the 'smart economy' in areas such as health care, agri-business, the food industry and the environment. Biotechnologists have already discovered new ways to diagnose, treat and prevent disease, repair and replace damaged organs, create biofuels and bioplastics, grow crops with better yields, drought and pest resistance, and remove toxic environmental contaminants. These advancements are based on relatively recent discoveries in the areas of genetic engineering, genome sequencing and molecular biology.

It is estimated that approximately half of all medicines produced worldwide now originate in biotechnology, making them cheaper and more widely available. Ireland is a leading location for biopharmaceutical production with a mix of start-ups, high growth SMEs and large multinationals located here. The Irish Government has identified the biopharmaceutical/diagnostics sector as one of the country's best options for our economic future. Currently 9 out of the 10 largest pharmaceutical companies in the world are located in Ireland while 7 out of the 10 best-selling medicines in the world are produced here. The BSc (Hons) degree in Biotechnology in AIT is designed to train graduates to pursue careers in this dynamic sector of the economy, and/or to pursue further education to post-graduate level in highly specialized areas within biotechnology.

What will I experience?

The degree in biotechnology at AIT is designed to provide students with the necessary foundation of scientific knowledge, understanding and skill to build a career as a biotechnologist. The student experience will include the following:

- Lectures, tutorials and practical classes delivered in modern well-equipped teaching rooms and laboratories,
- Highly qualified lecturers with a broad range of research, teaching and industrial experience.
- A comprehensive hands-on training in basic and advanced laboratory skills, and in the operation of scientific equipment,
- Opportunities to develop soft skills in oral and written communication, teamwork, problem solving, time and project management, numeracy skills and computer literacy,
- Final year business and research project modules where students work independently to develop and pursue commercial ideas and novel research topics under the guidance of experienced mentors.

What job opportunities might it lead to?

Typical areas of employment include: biopharmaceutical and medical technology industries, research organisations (academic and industrial), food and drinks manufacturing. Roles for biotechnology graduates include: quality assurance and quality control technician, manufacturing technologist, biochemist, analytical scientist, microbiologist, process engineer.

What will I study?

Year 1

Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics, Biochemistry, Gene Technology, Microbiology, Organic Chemistry, Analytical Techniques, Physical and Inorganic Chemistry.

Year 3

Molecular Biology, Environmental Biotechnology, Advanced Cell Biology, Genetic Engineering, Forensic Science, Quality Control and Experimental Design, Bioethics, Occupational Regulatory Affairs.

Year 4

Bioprocess Technology, Project Theory & Practice, Analytical Biotechnology, Validation, Good Manufacturing Practice, Bioinformatics, Innovation & Entrepreneurship, Regulatory Affairs and Legislation.

Entry routes to biotechnology

There are three different entry routes to pursue a biotechnology degree at AIT.

- **Level 6** – Higher Certificate in Science (Bioscience/ Chemistry) (see AL632)
- **Level 7** – BSc in Biotechnology (AL730)
- **Level 8** – BSc (Hons) in Biotechnology (AL838)

After completing level 6 (AL632) you can progress to year 3 of AL730. After completing AL730, you can progress to year 4 of BSc (Hons) in Biotechnology (AL838).

Career prospects

Typical employers for Biotechnology graduates include:

- Pharmaceutical and Biopharmaceutical companies
- Medical technology and medical device companies
- Research institutions (Universities, Institutes of Technology, Contract research organisations, State-run research institutions)



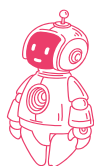
Further study

Level 8 graduates can progress to postgraduate studies including level 9 master's degree, level 10 PhD degree or Higher Diploma in Education.

- Agriculture and crop production companies
- Industries working in areas such as biodegradable plastics, biofuels, environmental monitoring and clean-up

Further study

Graduates of the level 8 BSc (Hons) in Biotechnology (AL838) can progress to postgraduate studies including level 9 masters degree (taught or by research), level 10 PhD degree, or Higher Diploma in Education (2nd level teaching - science and biology).



8,400

new jobs will open up in the biopharma industry before 2020.



For more information on our courses visit www.ait.ie/al838

Code - AL838

Level - 8

DURATION - 4 years

Cut-off CAO Points:

270

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI (FETAC) applicants to this programme must have the following award: CASLT (5M3807). QQI applicants are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics.



Student testimonial

"AIT provides free tutor support for a variety of modules. This encourages students to go when having difficulty and promotes learning in a different way"

ISSE Survey, Biotechnology student



Contact us

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Micribhitheolaíocht

Microbiology

“Graduates of this course will have specialised skills in practical and theoretical microbiology that have direct relevance to industry, as well as additional skills in problem-solving, data-handling and presentation”

Lorraine Danaher, Regional Skills Manager

Why take this course?

Microbiology is the study of microscopic organisms, known as microorganisms or microbes, that are usually invisible to the naked eye, including bacteria, protozoa, fungi, viruses and prions. These microbes are critical to all aspects of life on our planet. Microbiology is diverse which is reflected in sub-disciplines such as Medical, Environmental, Food and Industrial Microbiology. Several modern scientific disciplines including Genetic Engineering, Genomics, Bioinformatics, Microbial Biotechnology, Immunology and Molecular Biology originated from classical microbiology and therefore form an integral part of the teaching and research of Microbiology in AIT. An industrial placement during the third year of the course provides an opportunity to gain valuable experience and establish direct links with industry.

What will I experience?

The expertise of the lecturers involved in designing and delivering the course in microbiology is extensive. Many are also actively involved in research in different areas of microbiology, so are up to date with current trends in microbiology research.

This is the only dedicated Microbiology degree offered nationally.

Within AIT there is a strong ethos for linking research to teaching, an important point which is increasingly being highlighted as best practice by learning institutions worldwide.

Microbiology is an exciting field of fundamental importance to all areas of manufacturing, health, the environment and food and drink industries.

Training in microbiology gives students an opportunity to forge a career in a range of different sectors both nationally and internationally.

What job opportunities might it lead to?

Opportunities for graduates from the BSc. (Hons) in Microbiology include employment with several industrial sectors (food, medical device, pharmaceutical and biotechnological) in addition to a variety of options to furthering their education including obtaining a PhD in Microbiology within AIT.

What will I study?

Year 1

Mathematics for Scientists, Biology for Microbiologists, Physics, Chemistry, Learning and Development for Higher Education in Microbiology, Information Technology for Scientists, Current Scientific Issues through Enquiry Based Learning for Microbiologists, Scientific Computing, German 1.1 (elective module)

Year 2

Microbial Biochemistry, Microbial Methods through Enquiry Based Learning, Mathematics and Statistics for Life and Physical Sciences, Microbial Genetics and Technology, Microbial Systematics with Eukaryotic Microbiology, Introduction to Applied Microbiology, Principles of Sterilisation, Virology with Immunology, German 1.2 (elective module)

Year 3

Good Manufacturing Practice, Food with Brewing Microbiology, Environmental Microbiology, Industrial Bioprocessing, Work Placement.

Year 4

Computational Biology and Bioinformatics, Research Methods, Advanced Food Microbiology, Advanced Environmental Microbiology, Applied Statistics and Experimental Design, Advanced Industrial Bioprocessing, Innovation & Entrepreneurship, Current Trends in Microbiology, Quality Management, Research Project.

Work placement

Each learner will be required to complete a minimum of 20 weeks in an industrial or relevant placement working minimum of 35 hours per week. This takes place in year 3.

Career prospects

The course will provide a thorough preparation for careers in industry, in the food and environmental sectors or for postgraduate research study opportunities. The module in computational biology and bioinformatics will provide training in a key area of DNA and protein sequence analysis which is not a main focus of other science courses where you can specialise in microbiology.

There are unique opportunities for placement and training e.g. Marine Institute, Teagasc and other companies.

Graduates from the BSc. (Hons) in Microbiology will have career opportunities across several sectors including; food, pharmaceutical, medical device, biotechnological, biorefinery, environmental, pollution control, bioremediation and industrial and wastewater treatment.

They can also find work in: hospitals, public health laboratories, research institutes and pharmaceutical companies involved in the diagnosis, prevention and treatment of illnesses associated with microorganisms.

Universities and colleges, in addition to medical, dental and veterinary schools, all require microbiologists as researchers and teachers. For those interested in further study typical postgraduate subjects for microbiologists include medical microbiology, bioinformatics, biotechnology, environmental microbiology, genetics and molecular biology. In addition,



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.

options such as the Higher Diploma in Education for future second level science teachers can also be taken.

Further study

Graduates from the BSc (Hons) in Microbiology will be well prepared to enrol on a research degree programme (MSc/PhD) at AIT or in other third level Institutes. Graduates will also be qualified to undertake a variety of taught MSc programmes including the taught MSc in Applied Toxicology and the proposed MSc/MBA in Biotechnology at AIT.



"This is the only BSc (Hons) Microbiology course on the CAO system"



For more information on our courses visit www.ait.ie/al839



Contact us

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Code - AL839

Level - 8

Duration - 4 years

Cut-off CAO points:

357

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

2 places reserved for QQI students QQI applicants to this programme must hold the following award: 5M3807 Laboratory Techniques. They are also required to have a merit in the module Mathematics (5N1833) included in their award or have Leaving Certificate mathematics at O5. They must also possess distinctions in three modules.



Our state-of-the-art facilities and equipment create a perfect learning environment.



Lecturer Profile

Name: Dr. Andy Fogarty

COURSE: Microbiology



"Dr. Andy Fogarty is a prolific researcher and expert communicator, equally at home discussing his research and teaching interests with research peers as he is appearing on television. An expert in ecotoxicology and microbiology, he has extensively examined the effects of endocrine disrupting chemicals on fish.

With over 110 research publications and communications, he is also much in demand overseas and regularly lectures in Aalborg University, Denmark and the University of Applied Sciences, Emden/Leer, Germany.

Andy is a toxicology technical advisor to the Irish National Accreditation Board for laboratories seeking accreditation under the ISO requirements for the competence of testing and calibration of laboratories. He holds an MSc in environmental microbiology from Ohio State University and he was awarded his PhD in ecotoxicology and microbiology from NUI, Galway."



Eolas Cógaisíocht

Pharmaceutical Sciences

"The course is designed to meet the current demands of pharmaceutical companies by providing graduates with the core skills and competencies that are highly valued by industry." *Dr. Carol O'Donnell, Head of Department Life & Physical Sciences*

Why take this course?

This unique course provides the essential information and skills required for employment in the pharmaceutical sector. Given the wide range of disciplines required in driving modern manufacturing approaches this multidisciplinary course covers chemical-based and next generation biotech-based therapeutics and their formulation into safe and effective medicines of high and durable quality.

The pharmaceutical sciences are typically concerned with methods and techniques to minimize toxicity and optimize therapeutic efficacy, maximize product yield, how to circumvent difficulties with drug absorption or unwanted distribution and premature inactivation or elimination. It also explores which new generation technologies such as nano-encapsulation and stimuli-sensitive polymers are most suitable to achieve beneficial drug delivery. The core experience across the modules is the exploration of the structure-property relationships of drugs and pharmaceutical materials. Using sophisticated apparatus and instrumentation, our graduates will develop the skills that will give them a range of career options. In addition, we will help to grow the interpersonal attributes required for you to interact with colleagues from other disciplines.

The continued growth and prosperity of the pharmaceutical industry in Ireland is highly dependent on the generation and attraction of skilled graduates and this course is designed to give you the knowledge and competence to enter industry or proceed to further postgraduate education. The midlands region is a locus for many pharma and health care companies and this degree programme supports that growth.

What will I experience?

This is an ideal programme for learners interested in a career in the pharmaceutical industry delivering synthetic, formulation, analytical, and transferable skill sets.

It combines enabling know-how across a range of methodologies critical to the successful development of marketable therapeutics.

In supporting a strong local cluster of drug substance, finished product pharmaceutical, diagnostic reagent, and medical device manufacturing, we regularly consult with companies to maintain the currency of our course provision.

Lecturers combine teaching expertise with industry experience. Many of our faculty have worked in the pharma industry and continue to maintain active contacts in this space.

AIT's programmes in pharmaceutical sciences are designed to meet the growing demand for scientists to service the

current and emerging pharma industries in Ireland generally and the midlands in particular.

- Lectures, tutorials and practical classes delivered in modern, well-equipped teaching rooms and laboratories,
- Enthusiastic lecturers with wide experience of research, academia and industry,
- A research project in year 4 which will focus on a specific pharmaceutical sciences-related topic.

What job opportunities might it lead to?

Graduates may expect to find rewarding careers and well-remunerated positions in the pharmaceutical and fine chemicals sector, whether in an API/biologic drugs plant or in a finished drug product manufacturing facility. A substantial cohort are employed in analytical services, or in the related sectors of diagnostics' manufacture and polymer characterization. A number of graduates have been successful in securing roles in highly skilled technical services; others have found jobs in regulatory affairs where they interface with national, EU or other international State bodies such as the US FDA in support of marketing authorization applications from their employer. Previous graduates have also obtained sought after roles in research, whether leading to a higher degree (up to QQI level 10, PhD) in AIT, at other universities, in industry, or the wider public service such as forensics and environmental monitoring.

What will I study?

Year 1

Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics for Life and Physical Sciences, Gene Technology, Biochemistry, Microbiology, Analytical Techniques, Organic Chemistry, Physical and Inorganic Chemistry.

Year 3

Synthetic Organic Chemistry, Pharmaceutical Analytical Chemistry, Environmental Science, Pharmaceutical Separations, Coordination and Bioinorganic Chemistry, Dosage Form Design, Pharmaceutical Spectroscopy, Pharmaceutical Synthesis, Pharmaceutical Materials, Professional and Transferable Skills for Pharmaceutical Scientists, Pharmaceutical Statistics, Quality Assurance and Good Manufacturing Practice.

Year 4

Project Theory & Practice, Contemporary Issues in Pharmaceutical Sciences, Pharmaceutical Regulatory



Further study

Graduates of this course have sought research roles leading to further studies such as master's and PhD.

Affairs, Pharmacology, Metals in Medicine, API Discovery & Development, Bio-analytical Techniques in Therapeutics, Pharmaceutical Technology, Pharmaceutical Experimental Design & Validation, Medical Devices & Advanced Therapies, Pharmacognosy and Natural Products.

Entry routes to pharmaceutical sciences

There are three different entry routes to pursue a pharmaceutical sciences degree at AIT:

Level 6 - Higher Certificate in Science (Bioscience/ Chemistry) (AL632)

After completing level 6 you can progress to Year 3 of AL734.

Level 7 - BSc in Pharmaceutical Sciences (AL734)

After completing level 7, for year 4, you can progress to the honours degree in pharmaceutical sciences (AL840).

Level 8 - BSc in Pharmaceutical Sciences (AL840)

If you choose the level 6 or 7 options you can graduate after two or three years' study and enter the workplace at that stage with a qualification. Alternatively, if you choose to continue your studies, you can pursue a level 8 in pharmaceutical sciences (AL840).

Level 8 graduates are eligible for professional membership (Grad ICI) of the Institute of Chemistry of Ireland.

Code - AL840

Level - 8

Duration - 4 years

Cut-off CAO points:

257

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics. They must also possess distinctions in three modules.



Student testimonial

"Our lecturers provided interactive and engaging classes. The lecturers at AIT form a great relationship with students. As a result I found them very easy to approach"

ISSE Survey, Pharmaceutical Sciences student



Contact us

Dr. Carol O'Donnell
Head of Department of
Life & Physical Sciences,
Athlone Institute of Technology.
Tel: +353 (0)90 6468056
Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/al840

Eolas Biotréidliachta

Bioveterinary Science

"The BSc (Hons) Bioveterinary Science course is a full-time four-year degree that will equip graduates with core skills for a wide range of careers in science and healthcare" *Dr. Sile O'Flaherty, lecturer in Bioveterinary Science*

Why take this course?

Bioveterinary science is dedicated to the investigation of life processes and exploring the inter-relationships of living organisms. This may involve studies at a variety of levels from molecules to populations. Bioveterinary science is divided into many specialisms such as biology, biological sciences life sciences and animal sciences. This degree emphasizes specific technologies, interactions and/or systems (e.g., animal behaviour, biochemistry, biotechnology), or the environments that living organisms inhabit (e.g., ecology, environmental biology).

This bioveterinary science degree programme at AIT is unique in Ireland. It is a multi-disciplinary degree in science which allows the graduate access to a wide range of career options. All of this is designed to produce bioveterinary scientists who play an important part in the nationwide promotion of animal and human health and welfare. Bioveterinary scientists may progress to hold positions in the pharmaceutical, agricultural, or medical research sectors.

What will I experience?

- Lectures, tutorials and practical classes delivered in modern well-equipped teaching rooms and laboratories,
- Enthusiastic lecturers with wide experience of research, academia and industry,
- An optional industrial placement in year 3 of the programme,
- A research project in year 4 which will focus on a specific bioveterinary-related topic.

What job opportunities might it lead to?

Graduates are well placed to go on to employment in veterinary diagnostics and pharmaceutical research, veterinary, medical and nutritional sales, hospital and forensic laboratory work.

As a graduate you will be academically well prepared to enroll on a research degree programme at AIT or other third level institutes. You will also be qualified to undertake a variety of taught MSc programmes including AIT's taught MSc in Applied Toxicology and the proposed MSc/MBA in Biotechnology at AIT.

What will I study?

Year 1

Chemistry, Biology, Bioveterinary Anatomy and Physiology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Current Scientific Issues through Enquiry Based Learning.

Year 2

Large Animal Husbandry, Biochemistry, Microbiology, Bioveterinary Clinical Laboratory Techniques, Analytical Techniques 1, Analytical Techniques 2, Organic Chemistry, Probability and Statistics, Veterinary Infection and Disease Control.

Year 3

Advanced Cell Biology, Ecotoxicology, Clinical Animal Nutrition, Animal Breeding and Genetics, Bioveterinary Public Health and Epidemiology, Quality Control and Experimental Design, Bioveterinary Parasitology, Ecology of Terrestrial Ecosystem, Animal Behaviour, Clinical Trials.

Year 4

Toxicity Testing Methods, Project Theory & Practice, Pharmacology, Bioveterinary Immunology, Bioveterinary Biotechnology, Regulatory Affairs and Legislation, Veterinary Pharmaceuticals, Herd Management Strategies, Innovation & Entrepreneurship.

Career prospects

Graduates are well placed to go on to employment in veterinary diagnostics and pharmaceutical research, veterinary, medical and nutritional sales, hospital and forensic laboratory work.

Further study

As a graduate you will be academically well prepared to enrol on a research degree programme at AIT or in other third-level institutes. You will also be qualified to undertake a variety of taught MSc programmes including the taught MSc in Toxicology and the proposed MSc/MBA in Biotechnology at AIT.

Additional information

Please note that the BSc (Hons) in Bioveterinary Sciences degree does not confer eligibility to register with the Veterinary Council of Ireland as either a veterinary surgeon or a veterinary nurse.



Further study

As a graduate of this course you will also be qualified to undertake a variety of taught MSc programmes, including Applied Toxicology and Biotechnology.



11.5 BILLION

In 2016, Irish agri-food and drink exports increased by an estimated 2% to approximately €11.15 bn.



For more information on our courses visit www.ait.ie/al842

Code - AL842

Level - 8

DURATION - 4 years

Cut-off CAO points:

301

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

5 places reserved. QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have a merit in the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics at O5. They must also possess distinctions in three modules.



Student testimonial

"Lectures are very approachable. They encourage us to ask questions and give good feedback feedback"
ISSE Survey, Bioveterinary Science student



Contact us

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Eolaíocht Bhitheach Fheidhmeach

Toxicology and Analytical Science

"This four year degree programme guarantees excellent career prospects that include analytical and supervisory roles within government and private institutions"

Dr. Don Faller, Dean of Faculty of Science and Health

Why take this course?

AIT is nationally and internationally regarded as a centre of excellence in academic and practical toxicology training. Toxicology is the study of the effects of chemicals, drugs, pathogens and other substances that have an adverse effect on all biological systems, including the human body and the environment. This is a career focused, laboratory-based, multidisciplinary course providing relevant transferrable skills for employment in a wide range of sectors.

What will I experience?

- Students will learn to understand the molecular, biochemical and cellular processes for disease caused by exposure to toxicants,
- Students will be trained to use the most modern molecular, genetic, analytical and biomedical techniques to identify environmental and therapeutic exposures of public concern,
- Students will explore the nature of the interaction of toxicants with the human body using cell and tissue culture techniques,
- Students will design, plan and perform toxicity testing experiments and analyze and interpret data.

What job opportunities might it lead to?

- Our graduates hold leadership positions in academia, research facilities, government agencies and pharmaceutical and chemical corporations,
- Graduates can become registered toxicologists on the Irish Register of Toxicologists.

What will I study?

Year 1

Biology, Chemistry, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Enquiry based Learning, Scientific computing and Information Technology for Scientists.

Year 2

Gene Technology, Biochemistry, Microbiology, Organic Chemistry, Analytical Techniques, Physical and Inorganic Chemistry, Mathematics and Statistics for Life and Physical Sciences.

Year 3

Biochemical and Forensic Toxicology, Toxicological Pathology, Ecotoxicology, Analytical and Forensic Toxicology, Genetic Toxicology, Quality Control and Experimental Design, Occupational Regulatory Affairs.

Year 4

Pharmacology, Cell and Molecular Toxicology, Toxicity Testing Methods, Biochemical Toxicology, Immunology, Project Theory and Practice.

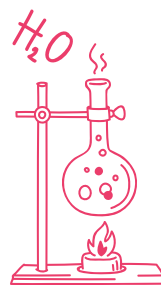
Further study

This course offers a strong foundation for further study at master's and PhD level. A taught MSC in Applied Toxicology as well as numerous research opportunities are offered by AIT.

Career prospects

Our graduates work in a wide range of sectors such as:

- Pharmaceutical & Biopharmaceutical,
- Health care & Cosmetic companies,
- Contract research and testing,
- Environmental monitoring,
- Biocompatibility testing in the medical device sector,
- Government agencies, Food Safety Authority.



Open Days

Fri 20th & Sat 21st October

Course Interactive

Open Day

21st April 2018

Book online

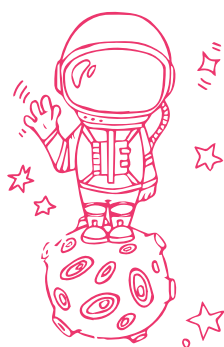
NOW

www.ait.ie/penday



Further study

This course offers a strong foundation for further study at Masters and PhD level.



60%

The pharmaceutical and chemical industry continues to perform strongly throughout the economic crisis and now accounts for 60% of Ireland's manufacturing exports.



For more information on our courses visit www.ait.ie/al844

Code - AL844

Level - 8

Duration - 4 years

Cut-off CAO points:

N/A

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold the following award: CASLT (5M3807). They are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.



Contact us

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Biteicneolaíocht

Biotechnology

"I am working as an Associate QA Specialist. This course prepared me for work in a lab as well as tasks outside the lab. 4th year introduced me to Validation, Regulatory and Quality Assurance which are fundamental to success in industry"

Hayley Gannon, Biotechnology graduate

Why take this course?

Biotechnology explores biological systems (cells and organisms) to discover new ways to benefit mankind and the environment. Biotechnologists use their knowledge of biology to create products and processes within areas such as food, agriculture, the environment and medicine. The concept of biotechnology has been around for a long time; bread, alcohol and cheese making, for example, all involve microbial fermentation to make desirable products. However in the last 20 years, with the emergence of genetic engineering, genome mapping and a much better understanding of how DNA, RNA and proteins function together, biotechnology has revealed new and better approaches to solving many of the problems that face humanity. Biotechnologists have already discovered new ways to diagnose, treat and prevent disease, repair and replace damaged organs, create biofuels and bioplastics, grow crops with better yields, drought and pest resistance, and remove toxic environmental contaminants. Biotechnology is a dynamic and evolving area with many opportunities and challenges, which is making significant contributions to the 'smart economy' in areas such as health care, agribusiness, the food industry and the environment. As a scientific discipline Biotechnology is a blend of genetics, microbiology, molecular biology, biochemistry and nanotechnology, with a strong component of computer technology - all of these disciplines are explored as part of this programme.

What will I experience?

The degree in biotechnology at AIT is designed to provide students with the necessary foundation of scientific knowledge, understanding and skill to build a career as a biotechnologist. The student experience will include the following:

- Lectures, tutorials and practical classes delivered in modern well-equipped teaching rooms and laboratories,
- Highly qualified lecturers with a broad range of research, teaching and industrial experience,
- A comprehensive hands-on training in basic and advanced laboratory skills, and in the operation of scientific equipment,
- Opportunities to develop soft skills in oral and written communication, teamwork, problem solving, time and project management, numeracy skills and computer literacy.

What job opportunities might it lead to?

Typical areas of employment include: biopharmaceutical and medical technology industries, research organisations (academic and industrial), food and drinks manufacturing. Roles for biotechnology graduates include quality assurance and quality control technician, manufacturing technologist, biochemist, analytical scientist, microbiologist and process engineer.

What will I study?

Year 1

Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics, Biochemistry, Gene Technology, Microbiology, Organic Chemistry, Analytical Techniques, Physical and Inorganic Chemistry.

Year 3

Molecular Biology, Environmental Biotechnology, Advanced Cell Biology, Genetic Engineering, Forensic Science, Quality Control and Experimental Design, Bioethics, Occupational Regulatory Affairs.

Entry routes to Biotechnology

There are two entry routes to pursue the level 7 Biotechnology degree at AIT.

Level 6 – Higher Certificate in Science (Bioscience/ Chemistry) (see AL632)

Level 7 – BSc in Biotechnology (AL730). After completing level 6 (AL632) you can progress to year 3 of AL730.

(After completing AL730, you can progress to year 4 of BSc (Hons) Biotechnology (AL838).

Career prospects

The ESRI recently identified a skill shortage for the role of biotechnologist, and the Expert Group on Future Skills Needs reported that a further 8,400 new jobs will open up in the Biopharma Industry before 2020.

Sectors where biotechnologists can seek employment include:

- Industry (food and drink, biopharmaceutical, diagnostics, medical devices),
- Research and Development in Academic and Industrial settings,
- Sales/Marketing,
- Second Level Teaching.

Further study

Graduates of the level 7 programme AL730 can progress to the level 8 programme AL838.

Level 8 graduates can thereafter progress to postgraduate studies including level 9 master's degree (taught or by research), level 10 PhD degree or Higher Diploma in Education (2nd level teaching - science and biology). Following completion of this course you can pursue a Level 8 honours degree in Biotechnology or related discipline.



Further study

Following completion of this course you can pursue a level 8 honours degree in Biotechnology or related discipline.



8 BILLION

The biopharmaceutical industry has made a capital investment of approximately \$8 billion in new facilities in Ireland, most of which has come in the last 10 years. This represents close to the biggest wave of investment in new biotech facilities anywhere in the world.



For more information on our courses visit www.ait.ie/al730

Code - AL730

Level - 7

Duration - 3 years

Cut-off CAO points:

206

Course award:

Bachelor of Science

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

A minimum grade of O6 in five subjects in the Leaving Certificate examination. Two of these subjects must include Mathematics and a language (English or Irish).

QQI:

Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the module 5N1833 (mathematics) included in their award or have Leaving Certificate mathematics at minimum O6/H7.



Student testimonial

"The course was well structured with a good ratio of labs and lectures and lots of time to use analytical instruments. The lecturers are very approachable and you're not afraid to ask questions"

*Gosia Poplawska,
Biothechnology graduate*



Contact Us

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Altranas Tréidliachta

Veterinary Nursing

"I always loved working with animals from a very early age. I have a passion for animal welfare, and I am well aware of the profession and the important role that veterinary nurses play in raising animal welfare standards"

Rebecca Keane, 2nd year Veterinary Nursing student

Why take this course?

The growth in scale, demands and sophistication of veterinary practices has created a significant market for the services of veterinary nurses. The veterinary nurse plays an essential role in the running of a modern veterinary practice. Their roles can be in an advisory capacity, such as advising clients about husbandry, kennel and stable management and responsible pet ownership. Veterinary Nurses are involved in the running of diagnostic tests within the clinic such as diagnostic imaging and blood testing. AIT was a leader in developing a veterinary nursing degree in Ireland. Since the programme was introduced, it has consistently been one of the most popular degrees offered by AIT. The high level of demand is testament to the quality of the AIT degree and the nature of the education provided.

What will I experience?

This established degree programme will give you the multidisciplinary skills to play a key role in large animal, small animal veterinary practices. A critical component of each year of the course is a clinical placement in a veterinary practice.

What job opportunities might it lead to?

Currently, and for the foreseeable future, employment prospects for veterinary nurses are excellent. As well as providing the necessary scientific and nursing skills and understanding.

As a graduate you are eligible to apply for the BSc (Hons) in Applied Biosciences at AIT. Graduates of this programme have been successful in gaining entry to the five-year veterinary programme in Budapest, Hungary.

What will I study?

Year 1

Biology, Practice Placement, Companion Animal Husbandry, Mathematics for Scientists, Chemistry, Introductory Veterinary Nursing, Veterinary Anatomy and Physiology.

Year 2

Veterinary Nursing Practice Placement, Veterinary Biochemistry, Large Animal Husbandry, Veterinary Pharmacology, Veterinary Clinical Laboratory Techniques, Diagnostic Imaging for Veterinary Nurses, General Microbiology, Veterinary Infection and Disease Control, Introduction to Surgical Nursing, Clinical Veterinary Nursing.

Year 3

Surgical Nursing, Veterinary Anesthesia, Companion Animal Medical Nursing, Equine Medical Nursing, Animal Breeding and Genetics, Veterinary Bioanalysis, Practice

Placement Portfolio, Practice Placement - Gurteen, Practice Placement - OSCE.

Work placement

You will be required to spend two residential weeks at Gurteen College, Ballingarry, Roscrea, Co Tipperary during both first and second year of the degree programme. The cost of this week must be paid by the student (details of fees available from AIT).

Career prospects

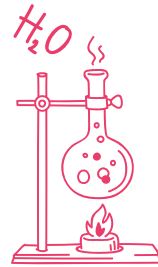
Currently, and for the foreseeable future, employment prospects for veterinary nurses are excellent. As well as providing the necessary scientific and nursing skills and understanding, this programme also uniquely provides you with the business skills that are essential for running and marketing a veterinary practice.

Further study

As a graduate you are eligible to apply for the BSc (Hons) in Applied Biosciences at AIT.

Accreditation

This course is accredited by the Veterinary Council of Ireland (VCI) and graduates are eligible to enter onto the register of Veterinary Nurses in Ireland - a requirement which must be met in order to work as a Registered Veterinary Nurse (RVN).



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online
NOW

www.ait.ie/openday



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Code - AL731

Level - 7

DURATION - 3 years

Cut-off CAO points:

401

Course award:

Bachelor of Science

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Laboratory-based science subject at Grade H6 in higher level or O3 in ordinary level, plus four subjects at Grade O6 at ordinary level, to include mathematics and a language (English or Irish). Mature applicants who apply via CAO and who are shortlisted will be required to sit an aptitude test. Based on these results, successful candidates will be interviewed.

QQI:

Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the module 5N1833 (mathematics) at minimum Pass and the module 5N2746 (Biology) at minimum Merit included in their award, or have Leaving Certificate mathematics at minimum O6 and a laboratory-based Science subject at minimum O3.

Student testimonial

"I enjoy studying veterinary nursing in Athlone IT as it not only gives me hands on experience on farms and placement, but also invaluable experience in our veterinary labs"
Maeve Farrell, Veterinary Nursing, Year 3

Contact us

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Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/al731

Tocsaineolaíocht Fhoiréinseach

Forensic Toxicology

"AIT is nationally and internationally regarded as a centre of excellence in academic and practical toxicology training"

Dr. Don Faller, Dean of Faculty of Science and Health

Why take this course?

Forensic toxicology involves the study of toxins – poisons, drugs, and other substances that have a life-threatening effect on a living being. A forensic toxicologist understands how the rates of absorption, distribution, metabolism and excretion of drugs and chemicals affect living cells and tissues. They will also have studied aspects of the nature of the interaction of toxins with the human body.

AIT has been the home of toxicology education in Ireland for many years. In addition to offering various undergraduate courses in the area, the institute is also very active in toxicology research via the Faculty of Science and Health, and the Bioscience Research Institute located on campus.

What will I experience?

This three-year, *ab initio* level 7 degree programme provides an integrated, coordinated and comprehensive education in forensic toxicology.

What job opportunities might it lead to?

As a graduate of this programme you can progress to Bachelor of Science (Hons) in Toxicology. The course provides suitable training to enable graduates to pursue a variety of career opportunities. These include employment in the food, pharmaceutical and health care industries; in research and development laboratories, in ensuring the safety of new products; and in regulatory agencies concerned with the monitoring and control of toxic agents.

What will I study?

Year 1

Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics for Life and Physical Sciences Gene Technology, Biochemistry, Microbiology, Organic Chemistry, Analytical Techniques, Physical and Inorganic Chemistry.

Year 3

Biochemical and Forensic Toxicology, Ecotoxicology, Analytical and Forensic Toxicology, Toxicological Pathology, Genetic Toxicology, Quality Control and Experimental Design, Occupational Regulatory Affairs.

Career prospects

- Pharmaceutical & Biopharmaceutical,
- Healthcare and Cosmetic companies,
- Contract research and testing,
- Environmental monitoring,
- Biocompatibility testing in the medical device sector.

Further study

As a graduate of this programme you are eligible to apply to join the Bachelor of Science (Hons) in Toxicology at AIT.



**This programme will equip you to
work in a wide range of sectors such
as pharmaceutical and health care
companies, contract research etc.**





Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department

Code - AL733

Level - 7

Duration - 3 years

Cut-off CAO points:

209

Course award:

Bachelor of Science

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

A minimum Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the module 5N1833 (Mathematics) included in their award or have Leaving Certificate Mathematics at minimum O6/H7.



Student testimonial

"I really enjoy studying my course because it challenges me every day. When I started the course I had a small interest in science, but now as a third year looking back, I appreciate what I have studied and I have come to love all aspects of science"

Daniel Fitzpatrick, Forensic Toxicology, Year 3



Contact us

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Athlone Institute of Technology.
Tel: +353 (0)90 6468056
Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/al733

Tocsaineolaíocht

Toxicology

“The exceptional experience, guidance, interest and hands-on-approach of the Lecturers and the facilities offered at AIT are unrivalled by most other Universities and Institutes. My degree opened up doors at National, European and International level, which traverse a multitude of scientific disciplines and industries”

Aisling Redmond, Toxicology graduate

Why take this course?

While toxicology might be regarded as the science of poisons, it can be more fully described as the study of the negative effects of chemicals on living organisms. According to the American Society of Toxicology, approximately 100,000 chemicals are currently in use worldwide, with 500 new chemicals entering the marketplace annually. Toxicologists work to develop safer chemical products, drugs and medicines. They determine risks for chemical exposure and develop treatments for such exposures. They play a major role in the food and drinks industry and are often involved in the growing area of forensics.

What will I experience?

This one-year, add-on honours degree programme provides an integrated, coordinated and comprehensive education in toxicology as a broad discipline. It will equip you to work in a wide range of sectors such as pharmaceutical and health care companies, contract research and testing, chemical companies, government agencies, health services, to mention just a few.

AIT has offered undergraduate and postgraduate training in toxicology since the mid-1980s and is nationally and internationally regarded as a centre of excellence in academic and practical toxicology training.

What job opportunities might it lead to?

Graduates of this course can find employment in management, regulatory, technical and research positions in industry, as well as State-supported posts in government laboratories and third level institutions.

AIT's qualifications in toxicology have acquired an excellent reputation nationally and internationally and cooperative projects have been established with many universities that facilitate the process of entrance to postgraduate courses.

What will I study?

Pharmacology, Cell and Molecular Toxicology, Toxicity Testing Methods, Biochemical Toxicology, Immunology, Project Theory & Practice.

Career prospects

- Pharmaceutical & Biopharmaceutical,
- Healthcare and Cosmetic companies,
- Contract research and testing,
- Environmental monitoring,
- Biocompatibility testing in the medical device sector.

Further study

A taught MSc in Applied Toxicology is offered by AIT, as well as numerous research opportunities.



“

This is a career focused, laboratory-

based, multidisciplinary course

providing relevant transferrable skills

for employment in a wide range of

sectors.

”



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Graduates with a Bachelor of Science (level 7) in a cognate discipline or an equivalent qualification are eligible to apply to join this programme.

Bachelor of Science (Hons) in Toxicology



Student testimonial

"The combination of many diverse modules plus all of the practical experience that is gained throughout this course makes it unique and applicable to many different fields of science"

Renata Von Beaumont, Toxicology graduate



Contact Us

Dr. Carol O'Donnell
Head of Department of
Life & Physical Sciences,
Athlone Institute of Technology.
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Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/courses

Eolas Cógaisíocht

Pharmaceutical Sciences

(Drug Development and Analysis)

"The pharmaceutical industry is one of the most thriving industries in the country. We have 18 of the world's top 20 pharmaceutical companies based here"

Dr. Don Faller, Dean of Faculty of Science and Health

Why take this course?

This course provides the essential information and skills required for employment in the modern pharmaceutical sector. Learners acquire operational knowledge of the development of chemical-based and next generation, biotech-based therapeutics and their formulation into safe and effective medicines of high and durable quality. Using sophisticated apparatus and instrumentation, you will develop the bench and analytical skills that will give you a range of career options. In addition, we will help to grow the interpersonal skills required for you to interact with colleagues from other disciplines.

What will I experience?

This is an ideal programme for learners interested in a career in the pharmaceutical industry delivering synthetic, formulation, analytical, and transferable skill sets.

It combines enabling know-how across a range of methodologies critical to the successful development of marketable therapeutics.

In supporting a strong local cluster of drug substance, finished product pharmaceutical, diagnostic reagent, and medical device manufacturing, we regularly consult with companies to maintain the currency of our course provision.

Lecturers combine teaching expertise with industry experience. Many of our faculty have worked in the pharma industry and continue to maintain active contacts in this space.

What job opportunities might it lead to?

Graduates may expect to find well remunerated positions and construct fulfilling careers in the pharmaceutical and fine chemicals sector, whether in an API/biologic drugs plant or in a finished drug product manufacturing facility. Many graduates progress to programmes of further study such as Year 4 of the Bachelor of Science (Hons) in Pharmaceutical Science in AIT, elsewhere in Ireland, or further afield. A number have been successful in securing highly skilled roles in the pharmaceutical laboratory or technical services. Previous graduates have also obtained desirable roles in research (industrial or leading to a higher degree) in colleges or the wider public service such as forensics and environmental monitoring. Others are currently employed in agriculture, food, polymers and beverage concerns.

What will I study?

Year 1

Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific

Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics, Gene Technology, Biochemistry, Microbiology, Analytical Techniques, Organic Chemistry, Physical and Inorganic Chemistry.

Year 3

Synthetic Organic Chemistry, Pharmaceutical Analytical Chemistry, Environmental Science, Pharmaceutical Separations, Coordination and Bioinorganic Chemistry, Dosage Form Design, Pharmaceutical Spectroscopy, Pharmaceutical Synthesis, Pharmaceutical Materials, Professional and Transferable Skills for Pharmaceutical Scientists, Pharmaceutical Statistics, Quality Assurance and Good Manufacturing Practice.

Entry routes to pharmaceutical sciences

There are three different entry routes to pursue a pharmaceutical sciences degree at AIT:

Level 6 - Higher Certificate in Science (Bioscience/ Chemistry) (AL632). After completing level 6 you can progress to Year 3 of AL734.

Level 7 - BSc in Pharmaceutical Sciences (AL734). After completing level 7, for year 4, you can progress to the honours degree in pharmaceutical science (AL840).

Level 8 - BSc in Pharmaceutical Sciences (AL840)
All three options can lead to an honours degree. If you choose the level 6 or 7 options, you can graduate after two or three years' study and enter the workplace at that stage with a qualification. Alternatively, if you choose to continue your studies, you can pursue a level 8 in pharmaceutical science.



Further study

Graduates from this course can go on to pursue a level 8 honours degree in pharmaceutical sciences.



120

Approximately 120 overseas companies have plants in Ireland including 9 of the 10 largest pharmaceutical companies in the world.



For more information on our courses visit www.ait.ie/al734

Code - AL734

Level - 7

Duration - 3 years

Cut-off CAO points:

218

Course award:

Bachelor of Science

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Minimum grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the module 5N1833 (mathematics) included in their award or have Leaving Certificate mathematics at minimum O6/H7.



Student testimonial

"This is a challenging but rewarding course and the skills developed means the student has confidence when entering the work place"

Aine Heslin, Pharmaceutical Sciences, Year 3



Contact us

Dr. Carol O'Donnell
Head of Department of Life & Physical Sciences,
Athlone Institute of Technology.
Tel: +353 (0)90 6468056
Email: codonnell@ait.ie

*Bachelor of Science Pharmaceutical Sciences
(Drug Development and Analysis)*

Eolaíocht Fheidhmeach

Science (Bioscience & Chemistry)

"This higher certificate programme is aimed at developing students' scientific skills and to provide them with a platform for employment and further progression to level 7 and level 8 degrees in Pharmaceutical Sciences, Toxicology and Biotechnology" *Dr. Don Faller, Dean of Faculty of Science and Health*

Why take this course?

The Higher Certificate in Science (Bioscience/Chemistry) will give you an excellent chance to explore areas of biology, physics, mathematics and chemistry. It allows you to develop your interests over two years of study. You can then choose to continue your studies or seek employment. Graduates are typically employed as science technicians in research, industry, educational institutions and governmental agencies.

What will I experience?

The Higher Certificate in Science (Bioscience/Chemistry) students will gain valuable hands-on experience in the laboratory as well being able to explore their scientific interests. Graduates of the Higher Certificate can then progress to one of three ordinary degree programmes namely, Biotechnology, Pharmaceutical sciences and Forensic Toxicology. A number of AIT graduates who started out on this route have progressed to Masters and PhD degrees.

What job opportunities might it lead to?

As a graduate you are eligible to apply for the following level 7 programmes for the third year of your studies:

- BSc in Biotechnology,
- BSc in Forensic Toxicology,
- BSc in Pharmaceutical Sciences.

Additionally, there are add-on level 8 degree programmes in Biotechnology, Toxicology and Pharmaceutical Sciences for level 7 graduates who wish to obtain an honours degree in science.

Alternatively, you may progress to related level 7 programmes at other third level institutions.

What will I study?

Year 1

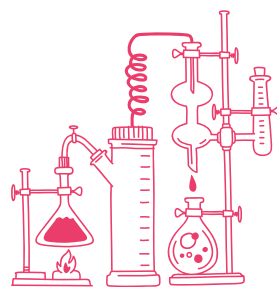
Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry Based Learning.

Year 2

Mathematics and Statistics for Life and Physical Sciences, Gene Technology, Biochemistry, Microbiology, Organic Chemistry, Analytical Techniques, Physical and Inorganic Chemistry.

Career prospects

While the majority of graduates from the higher certificate at AIT progress to level 7 programmes, some opportunities for science technicians exist in research, industry, educational institutions and government agencies.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online
NOW

www.ait.ie/openday



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.

Graduates of this programme can apply to enter year 3 on the following courses...

BIOTECHNOLOGY

**FORENSIC
TOXICOLOGY**

**PHARMACEUTICAL
SCIENCES**

Code - AL632

Level - 6

DURATION - 2 years

Cut-off CAO points:

190

Course award:

Higher Certificate in Science

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Minimum Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be Mathematics and a language (English or Irish).

QQI:

Any QQI Level 5 award is acceptable. Applicants to this programme are required however, to have the module 5N1833 (mathematics) included in their award or have Leaving Certificate mathematics at minimum O6/H7.

“

Student testimonial

“I was constantly given feedback on my performance in class which I found really helpful. The lecturers in my course always made themselves available for one to one tutorials if I required them”
ISSE Survey, Higher Certificate in Science student

”

Contact us

Dr. Carol O'Donnell
Head of Department of
Life & Physical Sciences,
Athlone Institute of Technology.
Tel: +353 (0)90 6468056
Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/al632

Eolaíocht Bhitheach Fheidhmeach

Applied Bioscience

"The add on programme in Applied Bioscience focuses on professional development, and centres around the student's ability to learn in order to enhance their growth as a scientist and improve their employability"

Dr. Síle O' Flaherty, Lecturer, Applied Bioscience

Why take this course?

Significant employment opportunities are being created through expansion in the food and drink, farm and fishing sectors. Students taking this add-on honours degree focus on animal and agricultural modules such as herd management strategies and environmental management and land use. There is also a distinct focus on food science through modules such as food and molecular microbiology, food processing and safety.

What will I experience?

Students will gain valuable hands-on experience working in the laboratories. Students are encouraged to discover their talents and will be assigned a final year project. This will usually involve spending time in the laboratory where students can develop their lab skills and independent thinking. Students will also find that the small class sizes allows an excellent student and staff interaction.

What job opportunities might it lead to?

As a BSc (Hons) graduate, you may be employed by industry in roles such as product quality assurance, analysis/bioanalysis, validation, management and optimisation.

Also, with an honours degree, it is possible to pursue further postgraduate studies leading to master's or PhD (level 9/10) qualifications here in AIT, at other colleges in Ireland or further afield.

What will I study?

Environmental Management and Land Use, Project, Food Processing & Safety, Agricultural Biotechnology, Analytical Toxicology, Herd Management Strategies, Bioethics, Applied Cell Biology, Food & Molecular Microbiology.

Career prospects

As a graduate of this degree, you may be employed by industry in a number of scientific roles such as quality assurance, quality control, analysis/bioanalysis, validation, management and optimization.





Study Abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department

Add-on course

Level - 8

DURATION - 1 year

Course award:

Bachelor of Science (Hons)

Department:

Dept of Life & Physical Sciences

Minimum entry requirements:

Holders of an appropriate Bachelor of Science qualification in veterinary nursing or agricultural science, biotechnology, toxicology or an equivalent level 7 qualification are eligible to apply to join this programme.

Bachelor of Science (Hons) Applied Bioscience



Student testimonial

"I really enjoyed the group work element of this course"
ISSE Survey, Applied Bioscience student



Contact us

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Email: codonnell@ait.ie



For more information on our courses visit www.ait.ie/courses





Faculty of Business & Hospitality

Our courses cover a wide range of areas from accountancy to management, law to psychology, equine to music and instrument technology. We offer you the opportunity to acquire knowledge, develop skills and cultivate attitudes which will help you to fulfill your potential and maximise your career prospects.

Business & Hospitality Programmes

Dean of Faculty
Eoin Langan
Tel: 353 (0)90 646 8290
Email: elangan@ait.ie

 www.ait.ie/faculties/faculty-of-business-and-hospitality/

Dept of Accounting & Business Computing

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Dept of Hospitality, Tourism & Leisure

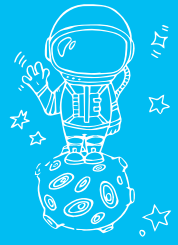
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Graduate profile



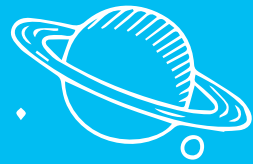
Name: Niamh Dermody

Course: Digital Marketing - AL751

Company: 66 Audio

Role: Digital Marketing Manager

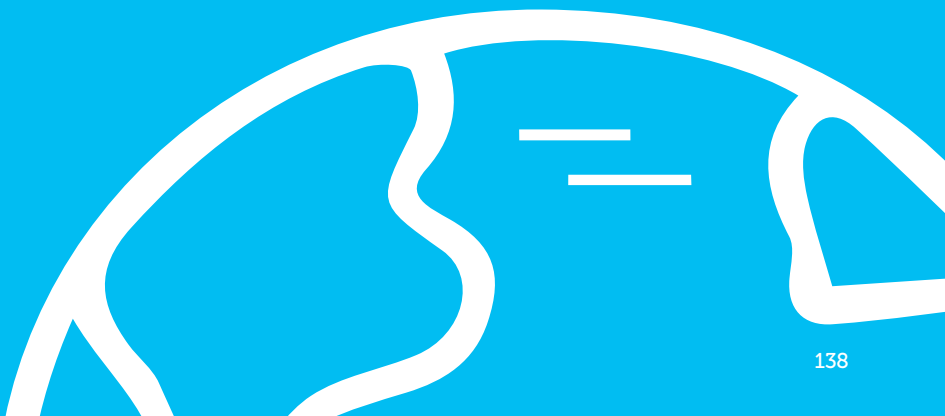
Location: Los Angeles, California, USA.



"We identified a need for a compelling wireless athletic headphone that leads the industry in battery life, sound quality, functional design and cutting edge technology. Our mission, since day one, has always been to create a stellar product experience that challenges expectations. We have never settled for anything less. What sets us apart is our dedication to our customers. We value the customer experience, and pride ourselves on being a customer centric company".

I was hired as the Junior Marketing Director for 66 Audio, I work closely with the marketing director developing new marketing concepts for our products. I also liaise with a large global company about our new collaboration product due for launch in September. I also liaise with our team in Poland about UX, functionality, design, aesthetics and copy of the new products along with all things website and mobile app related.

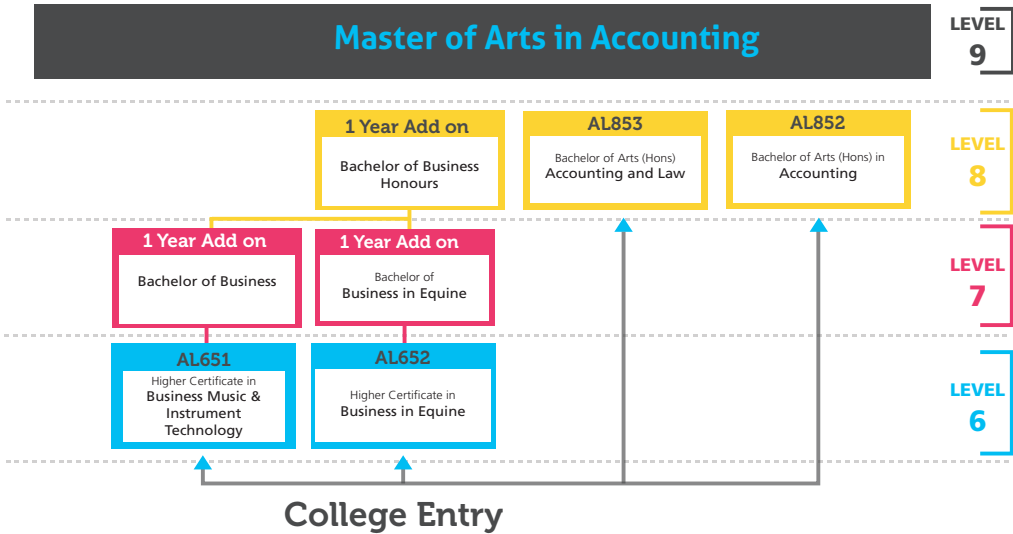
I really love working with this company and love living in Los Angeles. I'm living in Playa Vista which is part of Silicon Beach, the new sunnier version of Silicon Valley".



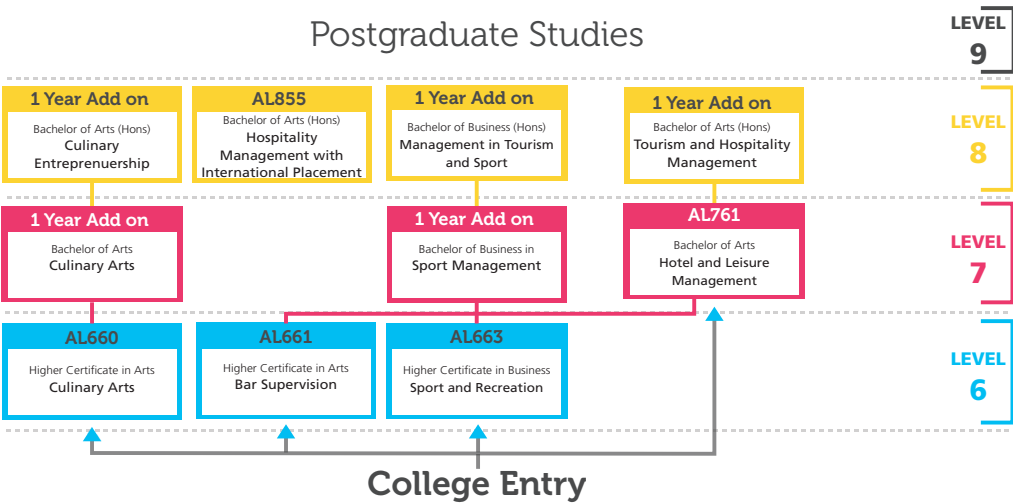
Progression Options

Accounting & Business Computing

Graduates of AL852 (Accounting) and AL853 (Accounting and Law) have the opportunity to progress to the Master of Arts in Accounting

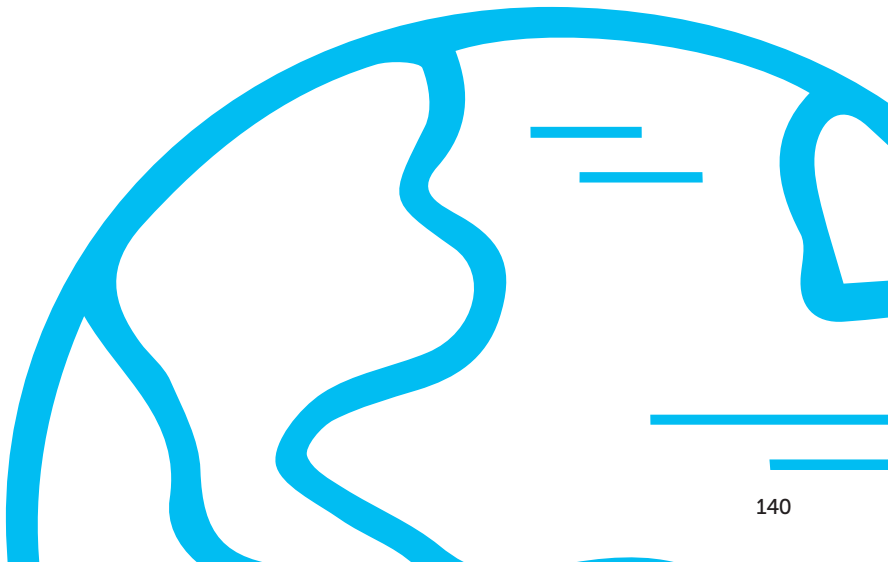
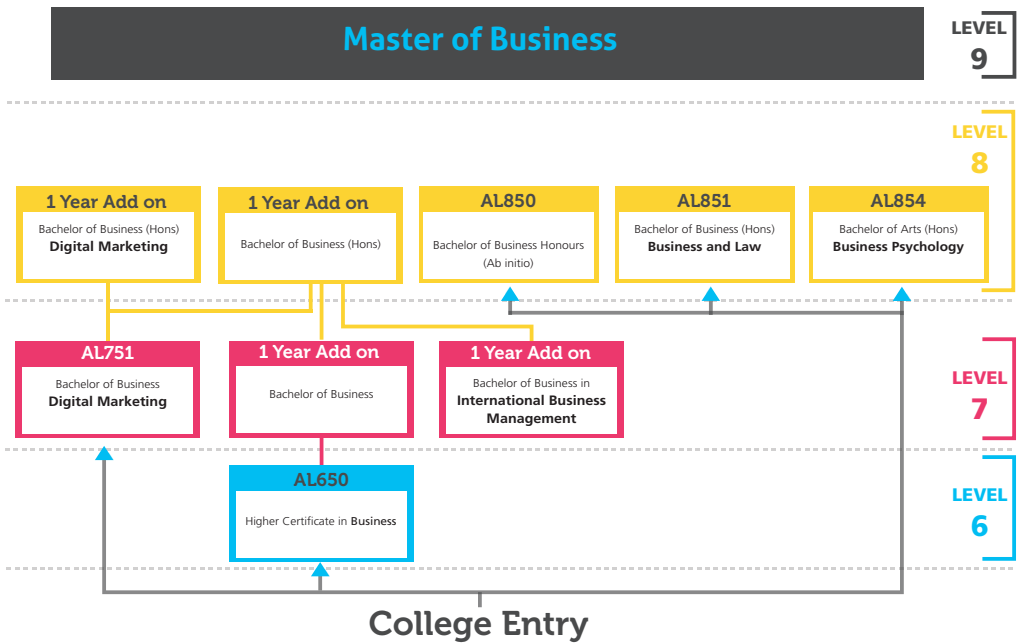


Hospitality, Tourism & Leisure



Business & Management

All programmes in this department have a an approved progression route to our Master of Business programme



Cúntasaíocht agus Dlí

Accounting and Law

"A knowledge of both legal and accounting practices is increasingly being demanded by employers. This programme meets that demand by providing graduates with core skills in both domains, after which they can pursue relevant professional qualifications" *Trevor Prendergast, Head of Department of Accounting and Business Computing*

Why take this Course?

The accounting and legal professions are increasingly involved in multidisciplinary practices. Accountants need an understanding of the law, while commercial lawyers often operate in accounting and financial environments. The integration of key roles within these functional areas requires the interdisciplinary knowledge and related skills that was previously the domain of two distinct professions.

This four-year honours degree programme reflects these workplace developments and will provide you with an in-depth critical understanding of the complementary areas of accounting and law. You will gain a thorough grounding in the fundamental theories, concepts, principles and practices essential to the pursuit of a fulfilling and rewarding career in the area of accounting and/or the legal profession.

To become a solicitor in Ireland additional professional training is required at the Law Society of Ireland. A student with a degree can obtain entry to the Law Society of Ireland once they have completed the Final Examination- Part 1 (FE-1s). The BA (Hons) in Accounting and Law includes the core modules which are examined in the FE-1s.

What will I experience?

The BA (Hons) in Accounting and Law will provide you with the knowledge and skills which will enable you to evaluate a complex and changing business environment. It will also develop the appropriate knowledge and understanding of the fundamental and advanced concepts, principles, methods and techniques of accounting, auditing, taxation and legal regulation. Furthermore, it equips students with the knowledge of the concepts and applications of law in modern business and accounting practices.

The degree will enhance students' effective communication skills, in both a business and a legal context, and will develop further knowledge and skills in computing theory and applications.

What job opportunities might it lead to?

This course provides a range of skills and knowledge in the key domains of accounting and law. Graduates will have cross-disciplinary knowledge that will enable them to function at a high level in roles that require a knowledge of both the legal and financial professions.

In addition, this programme opens up opportunities such as professional or postgraduate studies and level 9 masters courses. (e.g. eligibility for the Master of Arts in Accounting programme at AIT).

What will I study?

Year 1

Learning and Development for Higher Education, Contract Law I, The Irish Legal System I, Tort Law I, Financial Accounting 1A, Management Accounting 1A, The Irish Legal System II, Contract Law II, Tort Law II, Legal Skills I, Management Accounting 1B, IT & Computer Applications.

Year 2

European Union Law I, Constitutional Law I, Legal Skills II, Financial Management 1, Information Systems, European Union Law II, Revenue Law I, Financial Accounting 1B, Management Accounting 2.

Year 3

Company Law I, Criminal Law I, Employment Law, Legal Skills III, Management Accounting 3, Company Law II, Criminal Law II, Taxation 2, Financial Accounting 2.

Year 4

Land Law I, Equity Law I, Financial Management 2, Corporate Reporting, Land Law II, Equity Law II, Strategic Management, Audit and Systems Review.

Further study

Graduates can go on to study a Master of Arts in Accounting.

Career prospects

This programme will provide graduates with key skills in the areas of law and accounting, enabling them to work in areas such as the legal or financial services.

Possible opportunities include:

- Trainee Accountant,
- Trainee Solicitor,
- Legal Advisor,
- Legal Research,
- Compliance Officer,
- Company Secretary,
- Tax Advisor,
- Insurance Claims,
- Banking,
- Funds Analyst.

Additional Information

Graduates who hold the BA (Hons) in Accounting and Law will have covered the syllabus required for the FE-1 examinations set by the Law Society of Ireland.

In addition, graduates will be able to apply for exemption for a number of ACCA modules.



Further study

Graduates from this course can go on to pursue professional or postgraduate studies and level 9 masters courses.



"Our team is here to help you in any way we can"



askus@ait.ie



For more information on our courses visit www.ait.ie/al853

Code - AL853

Level - 8

DURATION - 4 years

Cut-off CAO points:

308

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Accounting & Business Computing

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI (FETAC) QQI applicants to this programme must hold one of the following awards: Business Administration (5M2468), Business Studies (5M2102). They must also hold distinctions in 3 modules.



Student testimonial

"I really enjoy the methods of teaching at AIT, because of this I find the material interesting and easy to understand. I found Moodle was great as the information given in class was easily available when it was time to revise for exams"

Accounting and Law student



Contact us

Trevor Prendergast
Head of Department of Accounting and Business Computing,
Athlone Institute of Technology.

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Email: tprendergast@ait.ie

Accounting

"If you enjoy working with figures and are interested in a solid career with exceptionally strong job opportunities, this is the course for you. Students will have the option of taking a placement year to ensure they are more prepared for the workplace. In addition to the academic qualification, students will also qualify for exemptions from a number of professional bodies, such as CIMA, ACCA, CPA and CAI"

Trevor Prendergast, Head of Department of Accounting and Business Computing

Why take this course?

AIT has one of the best reputations nationally of any third-level institution for the quality of its accounting programmes and lecturing staff. Our Hons degree enjoys a large number of exemptions from professional bodies, such as CIMA, ACCA, CPA and CAI. Furthermore, you now have the option of undertaking a placement year as part of the Honours degree, which will greatly enhance your employment prospects. Many of our lecturers also teach for the professional bodies, and these students continually score amongst the highest marks in their exams in Ireland, and indeed the world.

What will I experience?

This hugely-respected honours degree in accounting will provide you with an in-depth knowledge of the fundamental theories, concepts, principles and practices essential for a rewarding career in professional accountancy. At a general level, the degree will give you the knowledge, skills, abilities and attitudes necessary for a successful career in today's challenging business environment. You will learn how commercial and industrial organizations function, the environmental factors that affect an organisation and the contribution of the accounting/finance professional to an organisation's success.

Please note that the honours degree in accounting can either be a 3 years or 4* years, course.

* At the end of second year, students have the opportunity to add a work placement dimension to their degree. The dedicated placement year comprises work preparation modules in semester 1 and a six-month placement in semester 2 of third year. At the end of this year, they return to the final year of the programme. All other students progress directly to the final year of the 3-year programme.

What job opportunities might it lead to?

Graduates initially pursue a career in an accounting practice or industry. The majority gain employment with the Big 4 firms and local accounting firms. The vast majority qualify as accountants within 2 years upon graduation and can expect to rise to more senior executive level, in private industry, in the public and private sectors, and in education.

AIT has developed very strong links with accounting practices across the country and the reputation of our past graduates is excellent and we have no doubt future graduates will achieve similar recognition.

CIMA awards graduates from the BA (Hons) in Accounting exemptions from eight out of the 14 examinations in their professional programme.

ACCA offers AIT graduates exemptions from nine papers out of 14 required for qualification.

Chartered Accountants Ireland grant exemption from CAP1 for students who pass and achieve at least 50% in Year 2 and Year 3 modules.

What will I study?

Year 1

Learning and Development for Higher Education, Microeconomics, Business Law, Financial Accounting, Management Accounting, Business Mathematics, Macroeconomics, Corporate Law, IT & Computer Applications.

Year 2

Financial Management, Organisational Management, Corporate Law, Information Systems, Taxation, Financial Accounting, Management Accounting, Project Management.

Year 3

(Optional)

Accounting Software, Professional Skills and Communication for Business, Microsoft Office Professional, Work Placement.

Year 4

Corporate Reporting, Management Accounting, Financial Management, Strategic Management, Taxation, Audit and Systems Review.

Assessment information

Assessments in this programme consist of continuous assessments, projects, group work, presentations and end of semester exams. All assessments are aligned with the relevant accounting professional organisations.

Further study

As a graduate of this programme, you may progress to study for a professional accountancy qualification and/or study related to the business environment, with a particular focus on degree opportunities at Master and doctorate levels. The MA in Accounting at AIT is a natural progression route.

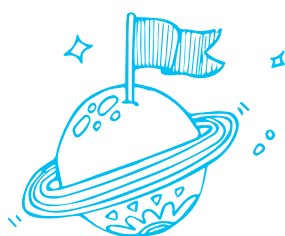
Career prospects

Accounting graduates find employment in practice or alternatively in industry. In addition to accounting-oriented roles, many also progress to careers in management. AIT graduates are employed by the big four accounting firms, as well as by small and medium-sized practices in Ireland and around the globe.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department



The MA in Accounting at AIT is a natural progression route to go on to study a

MASTER OF ARTS IN ACCOUNTING



For more information on our courses visit www.ait.ie/al852

Code - AL852

Level - 8

DURATION - 3/4 years

Cut-off CAO points:

293

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Accounting & Business Computing

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold one of the following awards: Business Administration (5M2468), Business Studies (5M2102). They must also hold distinctions in 3 modules.



Student testimonial

"The lecturers at AIT are really approachable and helpful and I have met a great group of friends here. The exciting part about the Accounting Course is that there is currently lots of jobs available in Ireland and worldwide"

Clare Browne, BA Accounting, Year 3



Contact us

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Head of Department of Accounting and Business Computing,
Athlone Institute of Technology.

Tel: + 353 (0)90 647 1857

Email: tprendergast@ait.ie

Ceol agus Teicneolaíocht Ghléasanna Ceoil

Music & Instrument Technology

"Being a part of the music industry can be one the most rewarding careers around that anyone can aspire to, but ultimately it's hard work, strong ideas and tenacity that gets you there"

Mike O'Dowd, Business Music & Instrument Technology Lecturer

Why take this course?

Have you thought about a career in the music industry? Athlone Institute of Technology exclusively brings together the industry trifecta of Business Studies, Instrument Technology and Music Technology, creating the unique Higher Certificate in Business with Music and Instrument Technology (M.A.I.T).

As a M.A.I.T student, you will be involved in a wide range of industry specific assignments and practical work which encompasses all aspects of sound engineering, instrument Craft & Design and business studies that are all necessities for any creative industry.

This diversity aims to give graduates of the M.A.I.T course a range of skills and the flexibility required to work within a highly competitive & creative industry, and on completion of the course, you will have assembled an impressive portfolio of industry related work to take forward into your career.

Being a musician is not a course prerequisite, so it is suitable for all candidates. Hugely diverse creative modules covering everything from sound engineering to radio broadcast production and sound for film & television. Innovative business modules that unlock the core principles required to craft your own successful career.

World leading guest lecturer presentations at regular intervals over the duration of the course. M.A.I.T offers the opportunity to network and collaborate with marketing, design & gaming students. Unrivalled access to high tech production facilities, industry standard equipment & software in state of the art facilities based in one of Ireland's most prestigious colleges. M.A.I.T lecturers have extensive industry experience, specialising in the areas of luthiery, sound engineering, performance, music production and business.

What will I experience?

On this course you can:

- Work with industry standard software, computing and studio & live audio equipment in a variety of dynamic practical assignments,
- Collaboration with marketing, design and gaming students as well as sourcing and working with original musical acts and cover groups,
- Manufacture a cajon drum, mandolin, electric guitar and an acoustic guitar from raw materials at the wood workshop,
- Get to grips with the core business concepts required to work in the private or public sector.

What will I learn?

The careful balance of theory and practical work within the M.A.I.T course is designed to make you fully prepared to enter the music industry or progress further in your education.

- The necessary balance of conceptual understanding and hands-on skills to make you ready for nearly any position found within the music industry,
- The importance of hard work, determination, emotional intelligence, networking and opportunity generation,
- To be open minded in exploring different careers not only within the Music Industry but also in the private or public sector.

What job opportunities might it lead to?

Working within a creative and very competitive industry such as Music requires graduates to have a very driven attitude and to have "many irons in many fires" - it is not an industry that seeks out individuals, rather it is the individual that must seek the opportunity out. It is the drive and determination to identify and take these opportunities that the M.A.I.T course aims to instil in all graduates.

On completion of the M.A.I.T course, you will have experienced the required practical and theoretical knowledge to be able to apply yourself to the positions below:

- Recording Studio Sound Engineer/Assistant Engineer,
- Live Sound Engineer,
- Broadcast Sound Engineer for Radio & TV,
- Foley Artist,
- Audio Visual Technician for TV & Film,
- Video Game Audio Technician,
- Multi-Media Sound Designer,
- Event Organiser,
- Instrument Building & Maintenance Technician,
- Business Entrepreneur,
- Music Producer.

What will I study?

Year 1

Year 1 will introduce you to the core concepts around working with computer based sound engineering, live sound engineering, wood working & instrument manufacture and to the importance of business in a creative industry.

Modules in Year 1 include:

- Sound Engineering 1,
- Instrument Technology 1,
- Music Appreciation,
- Music & Production,
- Music Marketing,



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

- Social Media & Digital Applications,
- Learning & Development for Higher Education,
- Computer Applications,
- Work Experience.

Year 2

Year 2 builds on the core concepts from year 1. As a Year 2 M.A.I.T student, you will be able to hone your studio sound engineering skills with open access to the AIT's recording studio to complete project work, you will continue making instruments from their raw materials and you will be introduced to more business concepts - particularly entrepreneurship, which is a critical skill to work in an industry as competitive as music.

Modules in Year 2 include:

- Sound Engineering 2,
- Instrument Technology 2,
- Digital Audio,
- Entrepreneurship for M.A.I.T,
- Accounting for M.A.I.T,
- Economics and the Entertainment Industry,
- E-Business.

Further study

Holders of the qualification are eligible to apply to join a Bachelor of Business (Level 7) programme at AIT where modules in Radio & Production and Music Technology are available as electives.

Career prospects

With the Higher Certificate you will be qualified to assume a junior position in the sound engineering or instrument technology or business sectors of the music and related industries. The following positions should be typical: Recording Studio Sound Engineer, Live Sound Engineer, Broadcast Sound Engineer for Radio & TV, Foley Artist, Audio Visual Technician for TV & Film, Video Game Audio Technician, Multi-Media Sound Designer, Event Organiser, Instrument Building & Maintenance Technician, Business Entrepreneur, Music Producer.

Code - AL651

Level - 6

Duration - 2 years

Cut-off CAO points:

AQA

Course award:

Higher Certificate in Business

Department:

Dept of Accounting & Business Computing

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any relevant QQI level 5 qualification is acceptable.



Student testimonial

"MAIT provided a great foundation for the career I'm currently pursuing in live events. Covering all aspects through practical experiences and hands on lectures, the course definitely helped me gain a deeper understanding of the modern music industry"

Patrick Trautt, M.A.I.T graduate



Contact us

Trevor Prendergast

Head of Department of Accounting and Business Computing,
Athlone Institute of Technology.

Tel: + 353 (0)90 647 1857

Email: tprendergast@ait.ie



For more information on our courses visit www.ait.ie/al651

Gnó Eachaí

Business in Equine

"This programme enables students to develop hands-on skills in equine practice, in addition to core competencies in areas such as business, accounting and digital marketing" *Trevor Prendergast, Head of Department of Accounting and Business Computing*

Why take this course?

Would you like to turn your hobby into a career and work within the racing, breeding or equestrian sport industry? If so, then this two-year course could be for you.

What will I experience?

Studying on this higher certificate will provide you with knowledge of those disciplines which form the basis for a successful career in the business and equine sectors. You will be expected to understand the factors which make an equine or a general business organisation successful. You will develop the knowledge and learn the skills required for a career in the wider business sectors. The qualification also provides the necessary foundation for progression to an appropriate Bachelor's degree (level 7), as indicated below. Emphasis is placed on both the theoretical and practical elements of the curriculum throughout the course.

During both years, the linking of the business and equine elements involves attendance at AIT and Gurteen College, Ballingarry, Roscrea, Co Tipperary.
<http://www.gurteencollege.ie>

Year 1 of the course is delivered entirely at Gurteen College which offers students the option of residing at the college and immersing themselves in equestrian life. Year 2 is delivered at the AIT campus, with one day a week spent onsite in Gurteen to continue the immersion in equestrian life.

What job opportunities might it lead to?

As a holder of this qualification you are eligible to apply to join the Bachelor of Business in Equine Studies (level 7) one-year, add-on programme at AIT.

What will I study?

Year 1

Learning and Development for Higher Education, Computer Applications, Equine Anatomy & Physiology, Equine Business Management, Marketing, Principles of Equine Health & Disease, Equine Reproduction, Equine Management, Equitation.

Year 2

Economics, Financial Accounting, Digital Marketing Applications, Applied Science, Equine Welfare & Industry, Equitation, Human Resource Management, Management Accounting, Equine Nutrition.

Further study

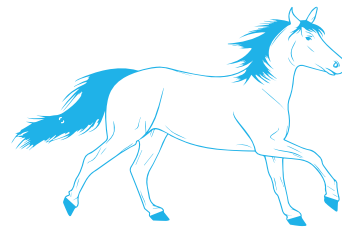
As a holder of this qualification you are eligible to apply to join the Bachelor of Business in Equine Studies (Level 7) one-year add-on programme at AIT.

Career prospects

Job opportunities may include employment in equine administration, yard and stud farm management, in the marketing of horses/equine-related products, in transportation, in riding centres, in competition yards, and in equine-based centres/facilities within the recreation, leisure and tourism sectors, as well as in areas of general business.

Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

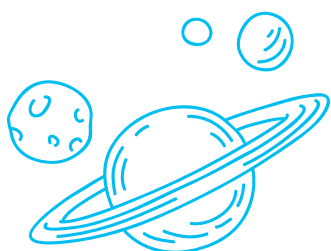
NOW

www.ait.ie/openday



Further study

As a graduate you are eligible to apply to join the Bachelor of Business in Equine Studies (Level 7) one-year add-on programme at AIT.



1.1 BILLION

The horse industry in Ireland is worth €1.1 billion annually to the Irish economy



For more information on our courses visit www.ait.ie/al652

Code - AL652

Level - 6

DURATION - 2 years

Cut-off CAO points:

AQA

Course award:

Higher Certificate in Business

Department:

Dept of Accounting & Business Computing

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"AIT provides a very friendly environment for students with a lot of interactive activities for students on a daily basis"

ISSE Survey, Business in Equine student



Contact us

Trevor Prendergast
Head of Department of Accounting and Business Computing,
Athlone Institute of Technology.
Tel: + 353 (0)90 647 1857
Email: tprendergast@ait.ie

Gnó Eachaí

Business in Equine

"This programme further develops student skills and provides opportunities for our graduates to work in area's such as equine administration, yard and stud farm management, in the marketing of horses/equine-related products and many other areas" *Trevor Prendergast, Head of Department of Accounting and Business Computing*

Why take this course?

This one-year, add-on bachelor's degree will enable you to demonstrate specialized knowledge related to general business and the equine industry. You will learn how to use diagnostic skills to identify problems of a business or equine nature, and acquire the capacity to provide informed, innovative, ethical solutions to such problems.

From the business angle, you will learn to assess success and failure and to analyse the impact of key external and internal factors on organisational progress. This course will also develop your communication and team-working skills, which will aid your future career development and progress. Should you so choose, this degree will give you the necessary background and expertise to pursue further academic studies in related disciplines.

What job opportunities might it lead to?

Job opportunities may include employment in equine administration, yard and stud farm management, in the marketing of horses/equine-related products, in transportation, in riding centres, in competition yards, and in equine-based centres/facilities within the recreation, leisure and tourism sectors, as well as in areas of general business.

What will I study?

Applied Entrepreneurship, Managerial Finance, International Marketing and Sales for Equine, Equestrian Competition, Equine Coaching & Management, Advanced Equine Health & Disease, Entrepreneurial Skills and Applied Entrepreneurship, Equine Exercise Science.

Further study

As a graduate you may be eligible to apply for a place on an appropriate bachelor's degree (level 8) programme.

Accreditation

Bachelor of Business in Equine (level 7) graduates from AIT and Gurteen College approved to instruct at AIRE approved centres.





Further study

As a graduate you may be eligible to apply for a place on an appropriate Bachelor's degree (level 8) programme.

Add-on course

Level - 7

DURATION - 1 year

Course award:

Bachelor of Business

Department:

Dept of Accounting & Business Computing

Minimum entry requirements:

Higher Certificate in Business in Equine (level 6) or an approved equivalent qualification.

Bachelor of Business in Business in Equine



Student testimonial

"This course is very practice and suits those who prefer a hands-on approach"

ISSE Survey, Business in Equine student



Contact us

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Head of Department of Accounting and Business Computing,
Athlone Institute of Technology.
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Email: tprendergast@ait.ie



For more information on our courses visit www.ait.ie/courses

Hospitality Management *(with International Placement)*

"The hospitality industry is a dynamic, ever evolving industry that provides a wealth of employment opportunities around the world. Now is the right time to begin your career in this fantastic industry!"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

This is an exciting course, which includes a compulsory overseas work placement. You will study the full suite of topics related to managing hospitality at the highest level, including bar, restaurant, front office and food and beverage management.

Tourism is now the largest indigenous employer in Ireland, with 230,000 people employed in the industry (Irish Times, 2016). In addition:

- 2016 was the best year in history for Irish tourism, over 10 million international tourists visited Ireland, up almost 1.5 million from 2015 (Tourism Ireland, 2017),
- The tourism sector supports 143,500 jobs in the accommodation and food sector alone (Department of Tourism, Transport and Sport, 2017),
- In 2016, tourism was responsible for overseas earnings of €5.4 billion (Department of Tourism, Transport and Sport, 2017),
- In 2019 the UK holiday company Centre Parcs will open a new resort in Ballymahon. The Center Parcs village will be the biggest private tourism development in the history of the State, costing €233 million.

What will I experience?

- Business management modules, including HRM, Marketing, Accounting and IT,
- Hospitality management subjects, including culinary, restaurant, bar, front office,
- 2 compulsory work placements, with at least one compulsory placement overseas,
- Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In 2016 we visited Paris, Poznan and Beijing and in 2017 we visited Dubai and Italy. In future years we will be visiting Shanghai, the USA and further afield,
- Three Irish hotels (Ballyfin, Waterford, Ashford) recently featured in the top 10 hotels in the world in a major international travel publication, Condé Nast, in late 2016, with Ballyfin Demense featuring in first place. These five star hotels, and others national and internationally, such as Dromoland Castle, the Savoy and the Ritz (London), Fitzpatrick's (New York), employ AIT Department of Hospitality, Tourism and Leisure graduates.

What job opportunities might it lead to?

Your specialist knowledge of hospitality management could lead to a career in the resort, hotel and tourism industries. Here are some routes our graduates have pursued:

- Food and Beverage Managers,
- Hotel Management,
- Hotel Revenue and Finance Careers,
- Hospitality Marketing,
- Careers in tourism and hospitality.

Graduates have found employment in such companies Shelbourne Hotel, Merrion Hotel, Ashford Castle, Dromoland Castle, Ballyfin Manor, Adare Manor, Fitzpatrick Hotel in New York, Savoy, Dorchester and Hilton Hotels in London.

What will I study?

Year 1

- Introduction to Customer Service, Business and Management,
- Learning and Development for Higher Education,
- Beverage Studies,
- Gastronomy,
- Environment, Health & Safety Management,
- Language – French / German / Spanish (languages are optional),
- Hospitality Costings,
- Restaurant and Culinary Skills,
- Computer Applications 1 for Hotel & Leisure.

Year 2

- Restaurant and Culinary Management,
- Front Office and Rooms Division Operations,
- Accounting,
- Marketing,
- Language – French / German / Spanish (languages are optional),
- Work Placement (can be national or international).

Year 3

- Hospitality Event Management,
- Human Resource Management and Training,
- Marketing,
- Accounting,
- Tourism Management,
- Language – French / German / Spanish (languages are optional),
- Placement (must be international).

Year 4

- Strategic Management,
- Financial Management,
- Marketing Management,
- Dissertation,
- Data Analytics,
- Tourism Management.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops and seminars to hands on practical food and beverage restaurant and kitchen classes. The course is taught by experienced lecturers with a track record of success in many sectors including the hospitality, tourism and culinary industries.

How are you assessed?

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

- Mini-projects,
- Presentations,
- Group work,
- Live client work,
- Examinations,
- Multiple-choice tests,
- Essays,
- Portfolio work.

Work placement

Students take two work placements during this course, in summer of 2nd year and in summer of 3rd year. The first work placement can be taken locally, nationally or internationally and the second placement must be international. The Department provides dedicated support with all work placements, including assisting students in finding opportunities and then making sure they have positive experiences in field.

Further study

- Progression to the Master of Business Studies degree in the Department of Business and Management at AIT,
- Progression to postgraduate courses in hospitality/ tourism/ event/ hotel management worldwide,
- Progression to research masters degree in AIT.

Code - AL855

Level - 8

DURATION - 4 years

Cut-off CAO points:

N/A

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI Level 5 award is acceptable. Applicants must present with eight modules, passing a minimum of three modules at Distinction.



Student testimonial

"The institute offers a lot of talks including guest speakers. It also includes practical involvement which in my opinion is beneficial to the students and captures our attention more"

ISSE Survey, Hospitality Management student



Contact us

Dr. Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology.

Tel: + 353 (0)90 647 1894

Email: ajohnston@ait.ie



For more information on our courses visit www.ait.ie/al855

Scileanna Cócaireachta

Culinary Arts

"Culinary Arts graduates are highly sought after in many sectors as they are experienced in cooking, food production and service and have gained practical experience during their studies"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

If you have a strong passion and interest in food then this culinary arts course is for you. This course will appeal to students who want to make a career for themselves in the hospitality industry. The course is a very dynamic and hands on, which combines theory and practical subjects to equip you for the world of cooking. The hospitality industry is one that is evolving all the time and is very rewarding. This programme will prepare you to work as a professional chef in the tourism and hospitality sector.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. Find out more about this course and our facilities by attending one of our regular open evenings where you can meet teaching staff and current students.

What will I experience?

- This programme teaches students how to cook, prepare and serve food,
- Each class will teach you specific skills, beginning with basic ingredient identification. Our culinary arts lecturers will help you train your senses, guiding you through an incredible range of tastes and flavours from herbs and condiments to vegetables and meats,
- Your progression will continue through the development of culinary techniques such as knife skills, cooking processes, pastry and baking, larder and restaurant service,
- Most of the culinary experience will be on classical French cuisine, however you will get to prepare food from around the world, including Spanish, Greek, Chinese, American and Italian cuisine,
- Your practical classes will be backed up with theory, for example, food safety and hygiene, menu planning and nutrition.

What job opportunities might it lead to?

- You could continue your studies and go on to study a BA in Culinary Arts and on to a BA Hons in Culinary Entrepreneurship and eventually a masters,
- You could also decide to study hotel management where you would be eligible to progress to Year 2 of the BA in Hotel and Leisure Management,
- There are many job opportunities in the culinary sector, such as working in hotels, restaurants, public houses, cruise ships or hospitals catering to name but a few,
- You may decide after a few years working in the industry that you want to open up your own business,

- You may want to become a head chef or sous chef in some of the leading hotels or restaurants in Ireland or abroad,
- You may become a celebrity chef and have your own cookery programme and write cookery books!,,
- Having a culinary arts qualification is a passport to travel and work in any hospitality organisation around the world.

What will I study?

Year 1

The first year will introduce you to the main functions of business and provide you with firm foundations of culinary arts.

Core units in this year include:

- Culinary computer leadership,
- Learning and development for higher education,
- Culinary practice 1A & 1B,
- Pastry and baking practice 1A & 1B,
- Nutrition and menu planning,
- Food preparation,
- Food service,
- Placement.

In addition students are supported by a Year Tutor.

Year 2

Develop your understanding of the content from year one.

Core units in this year include:

- Culinary business management,
- Modern gastronomy,
- Global cuisine,
- Culinary practice,
- Environmental management and food safety,
- Buffet presentation,
- Classical and contemporary cuisine,
- Pastry and baking practice,

In addition students are supported by a Year Tutor.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops and seminars to hands on practical therapy sessions and lab exercises. The course is taught by experienced lecturers with a track record of success in many sectors including the restaurant, hotel and food production industries. We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

- Mini-projects,
- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- Essays,
- Portfolio work.

Work placement

There are work placement opportunities locally, nationally and internationally. We have excellent links with the following hotels and groups: The O'Sullivan Group (Sheraton Athlone, Hodson Bay, Galway Bay), Ballyfin Demense, Mimoza's Cannes, the Wineport, Knockranny House Hotel Westport and many others, all over the world.

Students who opt to take a work placement overseas are usually eligible for Erasmus + funding to support their travel and subsistence costs. We support all students in obtaining a work placement and you will have support from the college while on placement. Placements are generally paid and take place in summer between your second and third years of study.

Further study

Upon completion of the HC Culinary Arts, students who wish may progress to the add-on one year BA Culinary Arts. Upon completion of the BA Culinary Arts, students can then progress if they wish to the BA (Hons) Culinary Entrepreneurship. Both add-on courses can be taken on a full-time (1 year) or part-time (2 years) basis.

Career prospects

Students from the Department of Hospitality, Tourism and Leisure have worked in some of this country's and the world's best hotels including Ballyfin House, Co. Laois, Ashford Castle, The Hilton, London, The Savoy, London, The Ritz Carlton, London, Adare Manor, The Shelbourne, Dromoland Castle.

Culinary Arts graduates are highly sought after in many sectors as they are experienced in all aspects of food production and service and have gained practical experience during their studies. The Restaurant Association of Ireland currently reports a huge national shortage in trained chefs, which puts culinary graduates in a strong position upon graduating.

 For more information on our courses visit www.ait.ie/al660

Code - AL660

Level - 6

Duration - 2 years

Cut-off CAO points:

183

Course award:

Higher Certificate in Arts

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. One of these subjects must be English.

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"Lecturers are very good at seeing things from a students point of view and helping with assignments"
ISSE Survey, Culinary Arts student



Contact us

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Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology.
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Scileanna Cócaireachta

Culinary Arts (Add-on)

"Culinary Arts graduates are highly sought after in many sectors as they are experienced in all aspects of food production and service and have gained practical experience during their studies"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international fieldtrips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. In addition to that, you will learn a lot about the dynamic nature of culinary arts management, using a comprehensive range of leadership and training skills and apply this knowledge, skills and competencies required to build a successful career in the foodservice industry.

What will I experience?

On this course you will:

- use IT to produce documents, databases and spreadsheets and communicate your results electronically,
- learn to apply fundamental nutritional concepts to develop interesting recipes,
- use advanced techniques to further your creative culinary abilities in the production of contemporary dishes,
- equip you with the skills to develop as a culinary leader and trainer in a continuing progressive sector,
- apply business concepts to the management of culinary enterprises,
- learn how memorable foodservice enhances consumer experience,
- enjoy a wide-range of learning experiences in the production and refinement of advanced confectionary techniques,
- experience the excitement of developing your own new food products and showcase them to the public.

What job opportunities might it lead to?

Through the development of artistic skills and knowledge delivered on this programme, graduates have found employment in leading hotels and restaurants at home and abroad. Here are some routes our graduates have pursued:

- Sous chef,
- Head chef,
- Executive chef,
- Food production manager,

What will I study?

Year 1

This year will introduce you to the main functions of business and provide you with firm foundations of culinary management.

Core units in this year include:

Semester 1

- Advanced Culinary Computer Applications,
- Applied Culinary Nutrition,

- Culinary Leadership & Training.

Semester 2

- Culinary Business Management,
- Food Tourism.

Year long modules

- Pastry & Baking Practice,
- Advanced Culinary Techniques.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods - from lectures, workshops and seminars to hands-on practical sessions and lab exercises. The course is taught by experienced lecturers with a track record of success in many sectors including the hotel, restaurant and food production industries.

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

- Mini-projects
- Presentations
- Group work
- Examinations
- In-class tests
- Multiple-choice tests
- Essays
- Portfolio work

Work placement

There are work placement opportunities locally, nationally and internationally. We have excellent links with the following hotels and groups: The O'Sullivan Group (Sheraton Athlone, Hodson Bay, Galway Bay), Ballyfin Demense, Mimoza's Cannes, the Wineport, Knockranny House Hotel Westport and many others, all over the world.

Students who opt to take a work placement overseas are usually eligible for Erasmus + funding to support their travel and subsistence costs. We support all students in obtaining a work placement and you will have support from the college while on placement. Placements are generally paid and take place in summer between your second and third years of study.

Career prospects

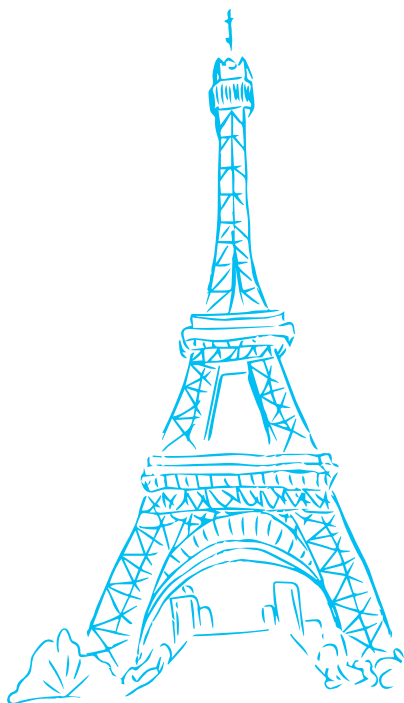
Students from the Department of Hospitality, Tourism and Leisure have worked in some of this country's and the world's best hotels including Ballyfin House, Co. Laois, Ashford Castle, The Hilton, London, The Savoy, London, The Ritz Carlton, London, Adare Manor, The Shelbourne, Dromoland Castle.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Culinary Arts graduates are highly sought after in many sectors as they are experienced in all aspects of food production and service and have gained practical experience during their studies. The Restaurant Association of Ireland currently reports a huge national shortage in trained chefs, which puts culinary graduates in a strong position upon graduating.



Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips to Dubai, Paris and Beijing.



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 7

Duration - 1 year full-time,
(Part-time over 2-3 years)

Course fees:

Uniform and material fees of approx. €100 per year.

Course award:

Bachelor of Arts

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Higher Certificate in Culinary Arts or equivalent.

Bachelor of Arts in Culinary Arts



Student testimonial

"The international trips and opportunities to study abroad are a fantastic element of this course"
ISSE Survey, Culinary Arts student



Contact us

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Fiontraíocht Cócaireachta

Culinary Entrepreneurship (Add-on)

"This course is perfect for individuals who are seeking a career in food business development. Students on this course study product development, food photography and we even include a field visit to Parma!"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

This programme develops honours degree students in the field of culinary entrepreneurship. Participants on the programme will acquire the critical thinking and applied skills necessary to succeed in culinary business, food enterprise development and food innovation management.

The programme builds on the skills and knowledge acquired in the Higher Certificate and BA degree years of the culinary arts programmes offered in AIT. This add-on honours degree year develops competences in food entrepreneurship through combining core business concepts and analytical thinking skills with culinary arts, food science, sensory awareness, food cost and waste control, managing pressure effectively and problem solving.

What will I experience?

On this course you will learn:

- How to develop a new food product,
- How to brand and promote food,
- International best practice in food marketing (we have an annual international field trip),
- How to write a market research, business model canvas and business plan,
- Sensory analysis of food,
- An introduction to food science skills.

What job opportunities might it lead to?

An honoursdegree (level 8) is an effective basis for postgraduate training and research leading to Masters and PhD (level 9/10) qualifications. Taught postgraduate opportunities for the graduates of this programme are numerous and varied and include masters in food, hospitality and business management. Graduates from this course will work in:

- Food product development,
- Food entrepreneurship,
- Food tourism,
- Culinary arts,
- Food sales,
- Contract catering.

What will I study?

Semester 1

- Enterprise Development,
- Current Issues in Culinary Arts.

Semester 2

- Food Marketing,
- Work Placement.

Year long modules

- Product Optimisation and Innovation,
- Business Research.

“

This programme will allow graduates to progress to management and senior positions in the food industry and to progress to master's degrees should they choose.

”





Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Add-on course

Level - 8

Duration - 1 year full-time,
(Part-time over 2-3 Years)

Course award:

Bachelor of Arts (Hons)

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Applicants to this programme must have achieved a Level 7 degree in Culinary Arts (or closely related equivalent). Candidates without a level 7 qualification but with significant expertise in the field may be eligible. All candidates for the programme must additionally satisfy the requirements of an interview to gain admittance.

Student testimonial

"If you are truly passionate about food and want to become a great chef, then AIT is the best college to help you achieve your career goals"
Patrick Walsh, Advanced Certificate in Professional Cookery

Contact us

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Email: ajohnston@ait.ie



For more information on our courses visit www.ait.ie/courses

Maoirseacht Bheáir

Bar Supervision

"I really enjoyed this course - I didn't realise how much there was to learn about the bar trade. I have made some great pals up in Athlone. I am now working behind the bar in a five star hotel thanks to Athlone Institute of Technology"

Patrick McGrath, Bar Supervision graduate

Why take this course?

Shake up your career and study Bar Supervision in Athlone Institute of Technology. This is a qualification that is recognized worldwide, whether you want to advance in your current position within an existing hospitality business or begin a career in the industry, this is the course for you. Find out more about this course and our facilities by attending one of our regular open evenings where you can meet teaching staff and current students.

Placement will prepare you to develop an awareness of the working environment and apply theoretical and practical knowledge gained in your studies. Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international fieldtrips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. For more information speak to us at our Open Day.

What will I experience?

On this course you can:

- A state of the art bright training facility with a fully loaded, working cocktail bar, craft beer bar, barista station, walk in cold room with state of the art cooling systems all in the guise of your classroom, it is what our current students call 'the perfect learning environment',
- Guest lectures from past and present students who are working in some of Ireland/world's best establishments,
- Visits to breweries, distilleries, bars, pubs, hotels and night clubs,
- Industry experience tutors teach on this structured course,
- You will meet some fantastic people from all over the world and hopefully make friends for life,
- Industry placement of your choice after your first semester.

What job opportunities might it lead to?

The fact that the licensed industry has remained so popular is a tribute to the quality of the product. The bar manager plays a central role here, managers must be first class merchandisers, superb people managers and be au fait with profit and stock margins. When you have completed your studies here in AIT you could follow in many of our past graduates footsteps and work and manage pubs, clubs, bars and trade suppliers all over the globe.

If you wish to further your studies you could also progress into further courses here in AIT, such as the BA Hotel and Leisure Management (entry to 2nd year).

What will I study?

Year 1

- Learning and Development for Higher Education,
- Environmental, Health & Safety, Bar Service,
- Customer Care and Communications,
- Computer Applications for Bar Supervision,
- Food & Beverage Costing for Bar Supervision,
- Bar Operations,
- Beverage Studies,
- Work Based Learning,
- Casual Dining,
- Culinary Skills for Bar Supervision.

Year 2

- Restaurant Service,
- Mixology and Cocktail Making,
- Contemporary Beer studies,
- Wine Studies,
- Merchandising and Retail,
- Organisational Studies,
- Accounting for the Bar & Beverage Industry,
- Advanced Beverage Studies,
- Business & Management Principles,
- Computer Applications for Bar Supervision,
- Advanced Bar Operations,
- Accounting for the Bar and Beverage Industry.

Work placement

There are work placement opportunities locally, nationally and internationally. We have excellent links with the following hotels and groups: The O'Sullivan Group (Sheraton Athlone, Hodson Bay, Galway Bay), Ballyfin Demense, Mimosza's Cannes, the Wineport, Knockranny House Hotel Westport and many others, all over the world.

Students who opt to take a work placement overseas are usually eligible for Erasmus + funding to support their travel and subsistence costs.

We support all students in obtaining a work placement and you will have support from the college while on placement. Placements are generally paid and take place in summer between your second and third years of study.

Further study

Upon completion of the Higher Certificate in Arts in Bar Supervision, students who wish may progress to the 2nd year of the BA Hotel and Leisure Management.

Upon completion of the BA Hotel and Leisure, students who wish may progress to the add-on one year BB (Hons) Tourism and Hospitality Management degree.



Further study

Graduates from this course, who wish, may progress to the 2nd year of the BA Hotel and Leisure Management.

Career Prospects

Students from the Department of Hospitality, Tourism and Leisure have worked in some of this country's and the world's best hotels including Ballyfin House, Co. Laois, Ashford Castle, The Hilton, London, The Savoy, London, The Ritz Carlton, London, Adare Manor, The Shelbourne and Dromoland Castle.

Graduates from the Department of Hospitality Tourism and Leisure's BA Hotel and Leisure Management work in restaurant and hospitality management, revenue and rooms division management, food and beverage management, front and back office roles and leisure centre management. Hospitality graduates are highly sought after in many sectors as they are experienced in all aspects of business management and have gained practical experience during their studies.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

NOW

www.ait.ie/openday



For more information on our courses visit www.ait.ie/al661

Code - AL661

Level - 6

Duration - 2 years

Cut-off CAO points:

AQA

Course award:

Higher Certificate in Arts

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. One of these subjects must be English.

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"Whenever I struggle with a subject the lecturers are really helpful and make sure I understand it fully"

ISSE Survey, Bar Supervision student



Contact us

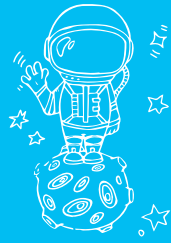
Dr. Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology.
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie



Culinary students being put through their paces during classtime at AIT.

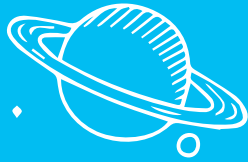


Lecturer Profile



Name: Dr. Anthony Johnston

Position: Head of Department of Hospitality, Tourism and Leisure Studies.



“Dr. Anthony Johnston is Head of Department of Hospitality, Tourism & Leisure. He has previously been employed as a Senior Lecturer in Tourism (University of Derby), a Lecturer in Development Geography (King’s College, London) and a Lecturer in Adventure Tourism Management (University of the Highlands and Islands). He gained an MLitt and a PhD from NUIG. Anthony’s research lies in the area of Thanatourism (Dark Tourism) and he has written and presented many academic papers on the subject. Anthony holds Senior Fellowship of the UK Higher Education Authority”.

”



Spórt agus Caitheamh Aimsire

Sport & Recreation

"This exciting and dynamic course offers a range of subjects, opportunities and industry specific qualifications to enable students to gain employment across a range of sports, leisure and business industries"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

This Higher Certificate will give you the knowledge and skills necessary for employment in the sport and recreation industries. You will have the opportunity to take further qualifications in sports coaching, fitness instruction and water safety. You will meet leaders from the industry who we invite in to talk to you. In second year, you will take a period of industrial placement. This gives you an opportunity to get experience in the area of the sports and recreation industry that most excites you. Past students have worked with NGB's, LSP's, local schools, sports retailing and sports event management companies, just to mention a few.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China (twice), Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. Find out more about this course and our facilities by attending one of our regular open evenings where you can meet teaching staff and current students.

What will I experience?

On this course you will:

- Apply live case studies to your coursework through the wide links we have with the sport and recreation industries,
- Visit sport and recreation attractions on regular field visits to learn the latest industry techniques, challenges and opportunities,
- Have the opportunity to undertake a semester or year of your course at one of AIT's overseas partner universities. AIT has links with Adam Mickiewicz University (Poznan, Poland).

What job opportunities might it lead to?

Your specialist knowledge in Sport and Recreation could lead to many different career paths. Here are some routes our graduates have pursued:

- Sports Coaching,
- Sports Development,
- Gym Instruction,
- Health and Fitness Promotion,
- General business in sport, recreation and leisure industry,
- Further progression into the BBS in Sport Management.

Graduates have found employment in Westmeath Local Sports Partnership, Dublin GAA, Athlone Regional Sports Centre, Sports Retail and various gyms around the country and abroad.

What will I study?

Year 1

The first year will introduce you to the main functions of business and provide you with firm foundations of sport and recreation.

Core units in this year include:

- Sports Studies 1,
- Learning and Development for Higher Education,
- Introduction to Business and Management,
- Sport Psychology,
- Sports Administration,
- Sociology of Sport,
- Anatomy and Physiology,
- Wet Facility Management,
- Computer Applications 1 for the Sports Sector,
- Sports Coaching 1,
- Accounting 1 for Sports Sector.

In addition students are supported by a Year Tutor.

Year 2

In year 2 you will develop your understanding of the content from year one.

Core units in this year include:

- Sports Coaching 2,
- Lifestyle development,
- Accounting 2 A for Sport Sector,
- Facility Management,
- Human Resource Management and training,
- Computer Applications 2 for the Sports Sector,
- Sports Studies 2,
- Exercise and Fitness,
- Marketing for the Sport and Recreation sector,
- Accounting 2 B for Sport Sector,
- Sport Industry Placement.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops and seminars to hands on practical therapy sessions and lab exercises. The course is taught by experienced lecturers with a track record of success in many sectors including the sports, hospitality, tourism and spa industries.

How are you assessed?

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

- Mini-projects,
- Presentations,



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.

- Group work,
- Live client work,
- Examinations,
- Multiple-choice tests,
- Essays,
- Portfolio work.

Work placement

Students undertake a compulsory work placement in year 2 of the programme (between Easter and Summer). AIT assists students in finding the work placement and these can be local, national or overseas.

Further study

Students can progress from the Higher Certificate to a one year add on ordinary level degree, followed by a further one year honours degree if they wish. Many students opt to complete all four years to gain a competitive advantage when seeking further employment.

Graduates of the honours year may progress if they wish to the Master's of Business Studies in AIT.

Career prospects

Graduates of this course are likely to find employment in:

- Sports Coaching,
- Sports Development,
- Gym Instruction,
- Health and Fitness Promotion,
- General business in sport, recreation and leisure industry,
- Further progression into the BBS in Sport Management.

Code - AL663

Level - 6

Duration - 2 years

Cut-off CAO points:

185

Course award:

Higher Certificate in Business

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"Last year, we travelled to Dubai on a course field trip. This was an amazing experience and brought class-based learning to life. Everyone had great fun"

Brian Lynam, HTL student



Contact us

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For more information on our courses visit www.ait.ie/al663

Bainistíocht Spóirt

Sport Management (Add-on)

"Studying this course made me realise that the people working behind the scenes in sport are often just as important as the players on the pitches, courts and fields." *Laura Kelly, Sport Management graduate*

Why take this Course?

If you aspire to a management role in the sport, recreation and leisure industry, this add-on degree may be for you. The programme focuses on advanced business-related knowledge and skills development in key business subjects. You will have the opportunity to take further qualifications in sports coaching, fitness instruction and water safety. You will meet leaders from the industry who we invite in to talk to you. In second year, you will take a period of industrial placement. This gives you an opportunity to get experience in the area of the sports and recreation industry that most excites you. Past students have worked with NGB's, LSP's, local schools, sports retailing and sports event management companies, just to mention a few.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. For more information speak to us at our Open Day.

What will I experience?

You will be provided with education and training in different elements of sport management and administration, as well as an insight into the environmental factors which affect the success of a sport enterprise.

- Opportunity to develop coaching skills,
- Learn about the size and scope of the sport tourism industry,
- Develop business management skills in the context of sport,
- Learn how to build a web site and social media campaign for sport businesses,
- Coach and organise events for youth and community groups,
- Find out more about this course and our facilities by attending one of our regular open days where you can meet teaching staff and current students.

What job opportunities might it lead to?

Your specialist knowledge in Sport and Recreation could lead to many different career paths. Here are some routes our graduates have pursued:

- Sports Coaching,
- Sports Development,
- Gym Instruction,
- Health and Fitness Promotion,
- General business in sport, recreation and leisure industry,
- Further progression into the BB in Sport Management.

Graduates have found employment in Westmeath Local Sports Partnership, Dublin GAA, Athlone Regional Sports Centre, Sports Retail and various gyms around the country and abroad.

What will I study?

- Sport Management,
- Coach Education,
- Sport Tourism Studies,
- Financial Management (Sports Studies),
- Web Development for Sports Management,
- Accounting for the Sports Sector,
- Community Recreation,
- Sports Development,
- Digital Marketing for the Sports Sector.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops and seminars to hands on practical therapy sessions and lab exercises. The course is taught by experienced lecturers with a track record of success in many sectors including the sports, hospitality, tourism and spa industries.

How are you assessed?

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

- Mini-projects,
- Portfolio work,
- Presentations,
- Group work,
- Live client work,
- Examinations,
- Multiple-choice tests,
- Essays.

Work placement

The Higher Certificate in Sport and Recreation (Years 1-2 of this pathway) contain a compulsory work placement. There are no placements during the BB Sport Management or BB Hons in Management (Sport and Tourism) phases but we encourage and facilitate relevant part time and summer positions in the industry.

Further study

Students can progress to the BB Hons in Management in Tourism and Sport.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Career prospects

Past students from this course have gained employment in:

- Sport Marketing
- Sport Management
- Stadium and Event Management
- Sport Retail
- Sport Finance and Auditing
- Youth and Club Development Roles



Add-on course

Level - 7

Duration - 1 year

Course award:

Bachelor of Business

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Higher Certificate in Business in Sport and Recreation or an equivalent level 6 qualification. Please contact us to discuss your qualification.

Bachelor of Business in Sport Management



Student testimonial

"Learning in AIT was so much fun, it's not just about the classroom, we went on field trips, experienced real-life business problems and applied theory to practice, all of which prepared me for my career in the tourism industry"
Lorna Kiernan, Sport Management



Contact us

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For more information on our courses visit www.ait.ie/courses

Bainistíocht Turasóireachta agus Spóirt

Management in Tourism & Sport (Add-on)

"Sport management is a growing industry that is diverse and exciting. Our courses are delivered through practical experience and innovative teaching to prepare you for the opportunity to work in the business of sport"

Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies

Why take this course?

The exciting, dynamic businesses of Tourism and Sport are inextricably linked and always require passionate ambitious graduates. This programme focuses on developing such Hons degree graduates with the necessary problem solving, critical thinking, and communication skills and know how to become leaders in industry. Successful completion of this programme of study will open up a range of exciting career options for the graduate.

Students in the Department of Hospitality, Tourism and Leisure studies are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. For more information speak to us at our Open Day.

What will I experience?

This programme focuses the strategic level content of Tourism, Sports, Marketing, Finance and Management. It is delivered using a number of contemporary teaching strategies including lecturers, workshops, and field trips. Dialogue between lectures and learners, and between learners themselves is a central theme within each module.

On this course you will learn to:

- Apply a critical, systematic, and mature approach to problem solving within the tourism and sport industry,
- Discriminate between alternative management strategies and to successfully manage change,
- Develop your communication and social skills resulting in a self-confident, responsible and enterprising graduate.

You will achieve the above by being able to:

- Identify and develop strategic level solutions for a real life business problem,
- Manage a simulated business in a competitive market place over a semester,
- Visit and evaluate a successful indigenous tourism business and apply strategic level theories for future planning for the business,
- Investigate the contributory factors resulting in the need for physical activity programmes, and assess successful contemporary national and international strategies for management of sport,
- Become an informed and skilled researcher.

What job opportunities might it lead to?

Graduates of this programme have progressed to further study at level 9 in Business in AIT and Health Promotion, Leisure /Sport/Tourism management in other third level institutions. Others have found employment in careers such as event planning at large scale sports events (London Olympics 2012), sport development officers in county councils, with the HSE as health promotion and physical activity coordinators, with national sports governing bodies as coaches and administration officers, as tourism destination development officers in Ireland and abroad. Graduates have also completed Postgraduate studies in education and qualified as secondary school teachers in Career Guidance, Business Studies and Accounting.

What will I study?

- Event Management OR Management Of Sport and Physical Activity Programmes,
- Marketing Management,
- Strategic Management,
- Financial Management,
- Tourism and Regional Economic Development,
- Business Research.

In addition, students are supported by a Year Tutor.

Accreditation

As a graduate of this programme, you are deemed eligible by the Teaching Council to apply for a Postgraduate Diploma in Education programme at Irish universities to be recognised to teach Business.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops, field trips, presentations, in-class peerled discussions and seminars. Use of Moodle, the institute's Virtual Learning Environment is core to all modules on the programme. Effective engagement with feedback (verbal and/or electronic), and peer and self-assessment is expected. The course is taught by experienced lecturers with a track record of success in many sectors including the hospitality, tourism, sport and spa industries.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Business (Hons)

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Holders of the Bachelor of Business in Sport Management or an equivalent level 7 qualification are eligible to join this programme.

Student testimonial

“The application of business theory to the sports and recreation industry really prepared me for my new business venture”
Aidan Murphy BB (Hons) in Management in Tourism and Sport

Contact us

Dr. Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology.
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Email: ajohnston@ait.ie



For more information on our courses visit www.ait.ie/courses

Bainistíocht Óstáin agus Caitheamh Aimsire

Hotel & Leisure Management

"A qualification in tourism and hospitality management provides a wealth of employment opportunities around the world. Tourism is also one of Ireland's strongest industries. Now is the right time to begin your career in this fantastic industry!" *Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies*

Why take this course?

This degree will give you the knowledge and skills necessary for employment in management positions within the hotel and leisure industries.

The nature of the course ensures that graduates will be technically oriented as well as being flexible enough to work in different areas of hotel and leisure management.

In second year you will take a 400 hour period of industrial placement.

Placement will prepare you to develop an awareness of the working environment and apply theoretical and practical knowledge gained in your studies. Typical placements include Hodson Bay Group, Campotel, France and Mimosa Hotel, Cannes.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. For more information speak to us at our Open Day.

What will I experience?

On this course you will:

- Learn the fundamentals of hospitality management
- Apply live case studies to your coursework through the wide links we have with hotel and leisure attractions and companies,
- Visit hotel and leisure attractions on regular field visits to learn the latest industry techniques, challenges and opportunities,
- Take part in short residential trips abroad,
- Regularly interact with the industry through site visits, guest speakers and practical work experience,
- Have the opportunity to undertake a semester or year of your degree at one of AIT's overseas partner universities. AIT has links with universities in France, Spain, Italy, Poland and many other countries.

What job opportunities might it lead to?

Your specialist knowledge of hotel and leisure management could lead to a career in the hotel and leisure or tourism industries. Here are some routes our graduates have pursued:

- Food and Beverage Managers
 - Hotel Management
 - Hotel Revenue and Finance Careers
 - Hospitality Marketing
 - Careers in tourism and hospitality
- Graduates have found employment in such companies Shelbourne Hotel, Merrion Hotel, Ashford Castle, Dromoland Castle, Ballyfin Manor, Adare Manor,

Fitzpatrick Hotel in New York, Savoy, Dorchester and Hilton Hotels in London.

What will I study?

Year 1

The first year will introduce you to the main functions of business and provide you with firm foundations of hotel and leisure management.

Modules in this year include:

- Health and Wellness for Hotel and Leisure,
- Swimming and Creative Play,
- Wet Facility Operations,
- Introduction to Customer Service, Business and Management,
- Learning and Development for Higher Education,
- Beverage Studies,
- Exploring the Meal Experience,
- Anatomy and Physiology 1,
- Environment, Health & Safety Management,
- Language – French / German / Spanish (languages are optional),
- Business Maths and Accounting Fundamentals,
- Food Service & Food Preparation.

Year 2

In year 2 you will develop your understanding of management techniques and build on the learning from year one.

Modules in this year include:

- Culinary operations Management,
- Accommodation Operations,
- Front Office Operations,
- Anatomy & Physiology 2,
- Guiding,
- Computer Applications 1 for Hotel & Leisure,
- Accounting,
- Services Marketing,
- Outdoor Recreation,
- Industry Software for Hospitality and Leisure,
- Language – French / German / Spanish (languages are optional),
- Work Placement.

Year 3

Reinforce core management understanding develop advanced hotel and leisure management skills.

Modules in this year include:

- Human Resource Management and Training,
- Food & Beverage Management,
- Digital Marketing,
- Accounting,
- Lifestyle Management,
- Exercise and Fitness for Hotel and Leisure Management,



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

- Enterprise & Professional Development,
- Revenue Management,
- Rooms Division Management,
- Tourism Management,
- Language – French/German/Spanish (languages are optional),
- Hotel, Leisure and Tourism Case Studies.

Work placement

Students who opt to take a work placement overseas are usually eligible for Erasmus + funding to support their travel and subsistence costs.

We support all students in obtaining a work placement and you will have support from the college while on placement. Placements are generally paid and take place in summer between your second and third years of study.

Further study

Upon completion of the BA Hotel and Leisure Management, students who wish may progress to the add-on one year BB (Hons) Tourism and Hospitality Management degree.

Many students who complete this pathway then opt to study at postgraduate level, undertaking the masters in Business Studies in AIT. Students can also opt to take an MA by research or progress to another IOT or university to undertake a postgraduate qualification.

Career prospects

Graduates from the Department of Hospitality Tourism and Leisure's BA Hotel and Leisure Management work in: restaurant and hospitality management, revenue and rooms division management, food and beverage management, front and back office roles and leisure centre management. Hospitality graduates are highly sought after in many sectors as they are experienced in all aspects of business management and have gained practical experience during their studies.

Code - AL761

Level - 7

Duration - 3 years

Cut-off CAO points:

206

Course award:

Bachelor of Arts

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable.



Lecturer testimonial

"The hospitality industry is a dynamic, ever evolving industry that provides a wealth of employment opportunities around the world. Now is the right time to begin your career in this fantastic industry!"

Dymphna Scanlon, Lecturer in Hospitality Management



Contact us

Dr. Anthony Johnston

Head of Department of Hospitality, Tourism and Leisure Studies, Athlone Institute of Technology.

Tel: + 353 (0)90 647 1894

Email: ajohnston@ait.ie



For more information on our courses visit www.ait.ie/al761

Bainistíocht Turasóireachta agus Fáilteachas

Tourism & Hospitality Management

"Tourism is one of the world's largest industries worldwide and it is forecasted as one of the fastest growing global sectors. Tourism in Ireland and worldwide is a promising sector and with this it creates unique and exciting career opportunities" *Dr. Anthony Johnston, Head of Department of Hotel, Tourism and Leisure studies*

Why take this course?

The exciting, dynamic businesses of Tourism and Hospitality are central to Ireland's economic recovery. This programme focuses on developing honours degree graduates with the necessary problem solving, critical thinking, and communication skills to become leaders in industry. Successful completion of this programme of study will open up a range of exciting career options for the graduate.

Students in the Department of Hospitality, Tourism and Leisure are eligible to take part in annual international field trips. In the last few years we have gone on field trips to China twice, Italy, France, Spain and Dubai. In 2019 we will be going to Dubai again. For more information speak to us at our Open Day.

What will I experience?

This programme focuses the strategic level content of Tourism, Marketing, Finance and Management. It is delivered using a number of contemporary teaching strategies including lecturers, workshops, and field trips. Dialogue between lectures and learners, and between learners themselves is a central theme within each module. On this course you will learn to:

- Apply a critical, systematic, and mature approach to problem solving within the tourism and hospitality industry,
- Discriminate between alternative management strategies and to successfully manage change,
- Develop your communication and social skills resulting in a self-confident, responsible and enterprising graduate.

Students will achieve the above by being able to:

- Identify and develop strategic level solutions for a real-life business problem,
- Manage a simulated business in a competitive market place over a semester,
- Visit and evaluate a successful indigenous tourism business and apply strategic level theories for future planning for the business,
- Become an informed and skilled researcher.

What job opportunities might it lead to?

Graduates of this programme have progressed to further study at level 9 in Business in AIT and Tourism, Hospitality, Marketing, and Strategic Management in other third level institutions. Others have found employment in careers such as hotel and leisure management, tourism destination development officers in Ireland and abroad, front office management in hotels, hotel sales and marketing, hotel conference and banqueting management, tourism event planning at local and national level, tourism information officers. Many have

used their qualification to work and travel the world at the same time.

Graduates have also completed postgraduate studies in education and qualified as secondary school teachers in Career Guidance, Business Studies and Accounting.

What will I study?

- Marketing Management,
- Strategic Management,
- Financial Management,
- Tourism and Regional Economic Development,
- Business Research,
- Event Management.

In addition students are supported by a Year Tutor.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods- from lectures, workshops, field trips, presentations, in class peer led discussions and seminars. Use of Moodle, the institute's Virtual Learning Environment is core to all modules on the programme. Effective engagement with feedback (Verbal and/or Electronic), and peer and self-assessment is expected. The course is taught by experienced lecturers with a track record of success in many sectors including the hospitality, tourism, sport and spa industries.

The programme assessment includes a cross module integrated group assessment in semester 1 accounting for all continuous assessment marks in the semester.

In semester 2 work is assessed by:

- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- Essays,
- Portfolio work,
- Peer and Self-assessment.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department



91%

of the graduate class of 2015 were either employed, in training or in further study 6 months after graduation, which is a further testament to AIT's innovative approach and close links with industry.



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Business (Hons)

Department:

Dept of Hospitality, Tourism & Leisure Studies

Minimum entry requirements:

Bachelor of Arts in Hotel & Leisure Management.



Student testimonial

"AIT offers many guests speakers and interesting talks which I find really fun and interesting. I also really enjoy the practical elements to my course which I believe is really beneficial to the student and really captures our attention in class"

ISSE Survey, Tourism and Hospitality Management student



Contact us

Dr. Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies,
Athlone Institute of Technology.
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Business

“This degree programme is designed to equip each student with all of the fundamentals needed for a career in the wider world of business and beyond. Students will develop a wide range of cognitive and intellectual skills, together with competencies specific to business and enterprise”

Owen Ross, Head of Department of Business and Management

Why take this course?

Choosing to do the Bachelor of Business will open up a range of opportunities in terms of your future career direction. Combining studies within the core business disciplines with the benefits of practical experience gained through the work placement element of this programme will provide you with an opportunity to consolidate and apply business skills within a business setting and is likely to offer you a distinct advantage in securing graduate employment.

This four-year honours degree programme offers an opportunity to study the key business subjects of accounting, finance, economics, management, marketing, human resource management and computing. The inclusion of an 18-week work placement in the third year of the programme gives students an ideal opportunity to apply and embed their learning.

What will I experience?

You will have the opportunity to study a wide range of business-related subjects in the early years of the programme, while still having the benefit of selecting the key subject options that interest you most during the final two years of the programme. In addition to this you will benefit from an 18-week industry placement, which will afford you the opportunity to put into practice the knowledge you will have acquired in the classroom. The option to further internationalise your learning experience by undertaking a semester or year of your degree studies at one of AIT's extensive list of overseas partner universities is open to you. Furthermore, you will develop your IT skills through the use of a variety of relevant software application packages.

What job opportunities might it lead to?

As an Honours business graduate, you can expect to obtain employment at the appropriate level across a wide range of business areas, including management, administration, accounting, banking, retail management, finance, marketing, human resource management, insurance, and computing/information technology. Rapid career progression may be expected on the basis of expertise, commitment and attitude.

Assessment information

This programme is assessed by a combination of various forms of continuous assessment conducted throughout the semester and final examinations at the end of each semester.

What will I study?

Year 1

Learning and Development for Higher Education, Financial Accounting, Business Mathematics,

Management, Microeconomics for Business Computer Applications, Marketing, Macroeconomics for Business.

Electives: Insurance, European Business Studies, Sales and Selling, Entrepreneurial Skills, French, German, Spanish.

Year 2

Information Technology and Computer Applications, Human Resource Management, Management Accounting, Marketing Management in a Digital Age.

Electives: Banking, Applied Economics, Services Marketing, Operations & Supply Chain Management, French, German, Spanish, Management Accounting, Financial Accounting, International Economics, E-Business, Applied Entrepreneurship.

Year 3

Managerial Finance, Business Law, Business Information Systems, Industry Placement (18 weeks).

Electives: Taxation, Market Research and Analysis, Economic Policy and Analysis, Supply Chain Management, Sales Management, French, German, Spanish.

Year 4

Business Modelling & Enterprise, Finance, Strategic Analysis, Strategic Marketing, Strategic Implementation, Company Law.

Electives: Systems and Project Management, Enterprise Database Systems, Management Accounting and Decision Making, Integrated Marketing Communications, Financial Management, French, German, Spanish, Financial Markets, Managing People and Organisational Change, Contemporary Issues in Marketing, Ethical Decision Making and Leadership, Corporate Reporting, Computer Studies.

Study abroad

You have the opportunity to undertake a semester or a year of your degree at one of AIT's overseas partner universities. For example, AIT has business links with the Aix Marseille Université, Aix-en-Provence and the University of Graz, Austria.

Work placement

Students will gain a minimum of 18 weeks placement in an industry related area in order to facilitate experiential learning. This placement process will occur in conjunction with an industry partner.



Study Abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department

Further study

As a graduate of this programme, you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or programmes at other institutions. Full details of our AIT postgraduate programmes are contained in the AIT postgraduate prospectus.

Career prospects

As an honours business graduate, you can expect to obtain employment at the appropriate level across a wide range of business areas, including management, administration, accounting, banking, retail management, finance, marketing, human resource management, insurance, and computing/ information technology. Rapid career progression may be expected on the basis of expertise, commitment and attitude.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

NOW

www.ait.ie/openday



For more information on our courses visit www.ait.ie/al850

Code - AL850

Level - 8

DURATION - 4 Years

Cut-off CAO points:

296

Course award:

Bachelor of Business (Hons)

Department:

Department of Business & Management

Minimum entry

requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold one of the following awards: Business Administration (5M2468), Business Studies (5M2102), Marketing (5M2069), Office Administration (5M1997), International Trade (5M2111). They must also hold distinctions in 3 modules.



Student testimonial

"The lecturers organise group projects to allow each student to engage and get involved"
ISSE Survey, Bachelor of Business student



Contact us

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Head of Department of Business and Management,
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Gnó agus Dlí

Business and Law

“This dual award programme aims to provide each student with extensive management skills and an in-depth specialisation in law. Graduates will be well prepared for fulfilling careers in both the legal and business professions, particularly in areas where the two disciplines overlap”

Owen Ross, Head of Department of Business and Management

Why take this course?

This course combines both law and business into a single degree programme and provides you with a solid grounding in both disciplines.

You will obtain a comprehensive grounding in the fundamental areas of law including the legal system and the interaction of Irish and European Law. You will gain a thorough grounding in key areas of business such as Marketing and Management.

You will develop transferable skills which are attractive to potential employers today such as communication skills- oral and written, analytical skills, numeracy, teamwork and research skills.

What will I experience?

Your modules will be delivered by enthusiastic skilled lecturers- many of whom have experience of legal and commercial practice. Lecturers use their practical experiences in the classroom to illustrate and enhance their teaching. Student centred environment- there is a focus on supporting the student throughout their studies. There are dedicated skills modules in the programme which seek to increase and enhance your skills. Court visits- students will have the opportunity to actively experience the legal system in action.

Key transferable skills will be taught and developed throughout the course e.g. writing, research, IT.

What job opportunities might it lead to?

This degree provides a foundation for any student wishing to train as a Solicitor by undertaking the exams of the Law Society of Ireland*. However, this is not the only option open to you. This degree opens up a range of alternative options other than the practice of law. Students might decide to pursue a career in the public service or private industry.

Other options:

- Regulation,
- Company Secretary,
- Insurance,
- Tax Consultant,
- Accounting,
- Marketing,
- Management,
- Human Resources Management,
- Research,
- Banking,
- Journalism & Broadcasting,
- Politics,
- Foreign Affairs.

What will I study?

Year 1

Learning and Development for Higher Education, Financial Accounting, Microeconomics for Business, The Irish Legal System, Tort Law, Contract Law, Macroeconomics for Business, Legal Skills 1

Year 2

European Union Law, Constitutional Law, Legal Skills 2, Marketing, Management, Revenue Law, Computer Applications, Business Mathematics, Management of Human Resources.

Year 3

Company Law, Criminal Law, Employment Law, Legal Skills 3, Ethics & Corporate Social Responsibility, Managerial Finance, Business Modelling & Enterprise, Information Technology and Computer Applications.

Year 4

Land Law, Equity Law, Strategic Analysis, Finance, Strategic Management.

Electives: Revenue Law, Financial Management, Management Accounting and Decision-Making, Integrated Marketing Communications, Intellectual Property Law, Financial Markets, Managing People and Organisational Change.

Assessment information

A blend of individual and group assessment has been factored into modules throughout the programme with a mix of the types of assessment in the modules.

Examples of the types of assessment that may be used:

- Problem Solving,
- Projects,
- Essays,
- Examinations.

Study abroad

You have the opportunity to undertake a semester or a year of your degree at one of AIT's overseas partner universities. For example, AIT has business and law links with the Universitat Politècnica de València, Spain.

Further study

As a graduate of this programme, you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or programmes at other institutions. Full details of our AIT postgraduate programmes are contained in the AIT postgraduate prospectus.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.

Career prospects

As a graduate you are eligible to pursue a career as a solicitor by undertaking the exams of the Law Society of Ireland. Alternatively, a variety of career options exist in the areas of general business, banking, taxation, insurance, teaching or journalism.



As a graduate of this programme, you are eligible to be considered for the

MASTER OF BUSINESS

full-time programme at AIT or another institution.



For more information on our courses visit www.ait.ie/al851

Code - AL851

Level - 8

Duration - 4 years

Cut-off CAO points:

300

Course award:

Bachelor of Business (Hons)

Department:

Department of Business & Management

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold one of the following awards: Business Administration (5M2468), Business Studies (5M2102), Marketing (5M2069), Office Administration (5M1997), International Trade (5M2111). They must also hold distinctions in 3 modules.



Student testimonial

"The access to lecturers was great and gave us an opportunity to engage on a personal level"
ISSE Survey, Business and Law student



Contact us

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Síceolaíocht an Ghró

Business Psychology

"This degree programme provides students with an understanding of business and management, and insight into the psychology of individual and group behaviour at work. Students will learn about the key theories and practical approaches to manage people effectively and to understand the dynamics of human interaction in the workplace" *Owen Ross, Head of Department of Business and Management*

Why take this course?

Business Psychology is a fascinating, emerging discipline within academia and the workplace. This qualification, which combines business with the scientific rigour of psychology, will set you apart from other business graduates. If you are interested in people, what makes them tick and influences their behaviour, if you are curious about teams and their dynamics, if you want to understand more about organisations and their cultures, if the areas of advertising and consumer psychology appeal to you and if you want to learn more about business environments, then this is an excellent course for you.

What will I experience?

- small class sizes,
- friendly learning environment
- learning supports from staff, student services and students' union,
- a diverse student population,
- the opportunity to study abroad,
- a work-based research project in the final year,
- opportunities to attend additional seminars and training programmes related to the course,
- guest speakers.

What will I study?

Year 1

Learning and Development for Higher Education, Foundations of Business Psychology, Exploring Psychology, Marketing, Social Psychology of Organisations, Business Mathematics, Management, Computer Applications.

Year 2

Personal Development & Communications, Human Resource Management, Information Technology and Computer Applications, Psychology of Advertising and Media, Business Finance, Psychology of Leadership and Performance, Health Psychology, Marketing Management in a Digital Age.

Year 3

Organisational Analysis & Design, Conflict Resolution, Market Research and Analysis, Social Media and Digital Applications, Statistics, Current Issues in Business Psychology, Consumer Psychology and Buyer Behaviour, Strategic Human Resource Management, Cyber Psychology and Behaviour.

Year 4

Strategic Marketing, Research Methods, Positive Psychology at Work, Leadership and Management Development, Applied Research Project, Managing People and Organisational Change.

International study

You have the opportunity to undertake a semester or a year of your degree at one of AIT's overseas partner universities. For example, AIT has business links with the Aix Marseille Université, Aix-en-Provence and the University of Graz, Austria.

Further study

As a graduate of this programme, you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or another institution. Full details of our AIT postgraduate programmes are contained in the AIT postgraduate prospectus.

Career prospects

As a graduate you can find employment in a wide range of sectors, including business, community, social, media and cultural organisations, education, NGOs, local government and local development agencies. Within these sectors you may perform roles in human resources, marketing, management, customer relations and business analysis.

If you wish to pursue further study, you will be eligible to apply for postgraduate opportunities at Masters and Doctorate levels.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.

Code - AL854

Level - 8

Duration - 4 years

Cut-off CAO points:

291

Course award:

Bachelor of Arts (Hons)

Department:

Department of Business & Management

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold one of the following awards: Business Administration (5M2468), Business Studies (5M2102), Education & Training (5M3635). They must also hold distinctions in 3 modules.

Student testimonial

“Lectures were excellent, very detailed and engaging. If you had a problem understanding anything the lecturer would explain it simply and also provide you with extra tutorial classes”

ISSE Survey, Business Psychology student

Contact us

Owen Ross

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Bachelor of Arts (Hons) in Business Psychology



For more information on our courses visit www.ait.ie/al854

Margaíocht Dhigiteach

Digital Marketing

"1.13 billion people across the globe use Facebook every day. Facebook, Snapchat and Instagram to name just a few, have become part of our everyday lives. This degree programme immerses you in real-world, professional advertising and marketing communications"

Daniel Seery, Digital Marketing Coordinator, Athlone Institute of Technology

Why take this course?

Digital is transforming how we communicate with each other. Digital marketing has also become the most common strategic marketing tool for business today and we have designed a course that creates talented digital marketing professionals to work in this exciting and dynamic field.

If you have an interest in business, marketing and both the creative and scientific aspects of digital, then this course is ideal for you.

Our much sought after graduates have found employment in digital marketing agencies and SMEs in the midlands and beyond.

What will I experience?

On this degree, you can:

- Develop creative content, apply SEO and explore cyberpsychology and its ability to alter human behaviours within the context of real life company's digital marketing campaigns,
- Experience an internationalised campus with large numbers of European and Asian students undertaking degree programmes who bring a global focus to your learning experience,
- Enjoy lecturers' vast industry experience and the faculty's extensive links with industry, commerce and the public sector,
- Undertake a semester or a year of your degree at one of AIT's overseas partner universities. For example, AIT has business links with the Aix Marseille Université, Aix-en-Provence, France and the University of Graz, Austria.

What job opportunities might it lead to?

Ireland's digital economy is expected to be worth €21.1 billion by 2020, creating 150,000 jobs. Graduates can develop a wide set of skills that will qualify them to work in junior positions in small/medium size enterprises and in digital marketing agencies. These jobs include:

- Digital marketing executive,
- Online marketing executive,
- Social content manager,
- Search marketing consultant,
- Digital analytics manager,
- Digital project manager,
- Front end development lead,
- Digital media senior,
- Digital marketing account executive,
- PPC account executive,
- Brand manager.

What will I study?

Year 1

The first year will introduce you to the main functions of business and will provide you with the foundations of both marketing and digital marketing.

Core units in this year include:

- Digital Marketing Applications,
- Social Media Sales and Marketing,
- Microeconomics for Social Media Marketing,
- Macroeconomics for Social Media Marketing,
- Marketing,
- Computer Applications,
- Learning and Development for Higher Education,
- Financial Accounting,
- Business Mathematics.

Year 2

Develop your understanding of business and digital marketing and build on the learning from year one.

- Video and Animation Development,
- Digital Concepts and Analytics,
- Marketing Management in a Digital Age,
- E-Business,
- Information Technology and Computer Applications,
- Services Marketing,
- Applied Entrepreneurship,
- Management of Human Resources.

Year 3

Reinforce core digital marketing understanding and specialise in digital marketing subject areas.

- Creative Content,
- SEO and Web Usability,
- Advanced SEO and Web Usability,
- Cyber Psychology and Behaviour,
- Market Research and Analysis,
- Managerial Finance,
- Business Modelling and Enterprise,
- Digital Marketing Strategy.

Further study

As a graduate of this programme, you may progress to the Bachelor of Business (Hons) in Digital Marketing.

Career prospects

A level 7 qualification gives you a very wide set of skills and you will have the ability to work in junior positions in small/medium-sized enterprises where the demands for marketing with social media skills are apparent.



Further study

As a graduate of this programme, you may progress to the Bachelor of Business (Hons) in Digital Marketing.

Code - AL751

Level - 7

Duration - 3 years



Students who complete this programme will have the opportunity to avail of Google Certification in the area of Google Analytics

Cut-off CAO points:

207

Course award:

Bachelor of Business

Department:

Department of Business & Management

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"Lecturers are always happy to stay back 10- 15 minutes to explain the topic further if you didn't understand it"
ISSE Survey, Digital Marketing student



Contact us

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For more information on our courses visit www.ait.ie/al751

Margaíocht Dhigiteach

Digital Marketing (Add-on)

"As a student of this course, you will have the opportunity to examine products and services which are critical to online consumers. Students will design their own website and set up digital marketing campaigns by applying search and social media marketing techniques to support competitive marketing strategies"

Aisling Keenan, lecturer in Digital Marketing

Why take this Course?

AIT's Faculty of Business and Hospitality is one of the most internationalised on campus, with large numbers of European and Asian students undertaking degree programmes. This brings a global focus to your learning experience. Add to this lecturers' broad industry experience and the faculty's extensive links with industry, commerce and the public sector, which influence and enrich all programmes.

What will I experience?

Digital marketing is a broad term that refers to various promotional techniques deployed to reach customers via digital technologies. Digital marketing is embodied by an extensive selection of service, product and brand marketing tactics, which mainly use the internet as a core promotional medium, in addition to mobile and traditional television and radio. One of the fastest growing arms of digital media is that of social media and its growing social networks.

A recent report has identified digital marketing as one of the few industries that has more jobs than qualified candidates. Following on from this the European Commission has predicted that there are 900,000 unfilled digital jobs across Europe.

This add-on honours degree will give you the competencies required for a successful digital marketing career. You will gain experience in implementing a marketing communications strategy for a business, and discover how to scheme, develop and monitor a content marketing campaign.

What job opportunities might it lead to?

A level 8 qualification gives you a very wide set of skills and you will have the ability to work in positions in small/medium-size enterprises where the demands for marketing with social media skills are apparent. Graduates from the degree in Digital Marketing have secured employment in many roles such as: Digital Marketing Assistant, Web Designer, Social Media Marketing, Digital Marketing Manager, and SEO Consultant.

What will I study?

Digital Content, Integrated Marketing Communications, Applied Digital Project Proposal, Advanced Analytics, Applied Digital Project, Contemporary Issues in Marketing, Ethics and Digital Marketing.

Further study

As a graduate of this programme, you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or another institution. Full details of our AIT postgraduate programmes are contained in the AIT postgraduate prospectus.





Further study

Graduates of this programme are eligible to be considered for the Master of Business one-year, full-time programme at AIT or another institution.

Add-on course

Level - 8

Duration - 1 Year

Course award:

Bachelor of Business (Hons)

Department:

Department of Business & Management

Minimum entry requirements:

Bachelor of Business in Digital Marketing or a Bachelor of Business which has a significant digital marketing element.

Bachelor of Business (Hons) in Digital Marketing



You will gain experience in

implementing a marketing

communications strategy for a

business, as well as how to scheme,

develop and monitor a content

marketing campaign.



Student testimonial

"The college offers a variety of academic help to improve your overall performance. It provides opportunities to work in groups and improve your interaction with other students"

ISSE Survey, Digital Marketing student



Contact us

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For more information on our courses visit www.ait.ie/courses



Bressie giving a talk on mental health in the Students' Union last year.



Graduate Profile



Name: Graham Moodley

Course: BA Accounting

Company: Kellogg Company

Role: Regional Finance Manager -
(Med, Middle East & N Africa)



"Studying a degree in Professional Accounting at AIT was one of the best decisions I have made to date in my career. It allowed me to fast track my progression to becoming a chartered management accountant (ACMA), while also providing me with a practical understanding of the core accounting and business fundamentals. Smaller class sizes and a hands-on, real-world approach allow you to learn skills that are immediately transferrable into the workplace and stay with you throughout your career.

Upon leaving Athlone, I was accepted into a graduate programme with Cadbury Ireland, which allowed me to work across several finance disciplines including areas such as Supply Chain and Financial Control. Following this, I moved internationally to work in the Middle East where I have held roles in both Financial Planning & Analysis and most recently in a Regional Commercial Finance capacity, where I manage both emerging and developed markets as well as multiple brands at Kellogg Company.

The foundation and skill set I received while studying at AIT has provided me with the ability to continuously progress in my career in various different business disciplines. I thoroughly enjoyed my time in AIT. It allowed me to combine the right balance of education, sporting and social aspects of life, while also making valuable lifelong friendships along the way."



Gnó

Business

“This Higher Certificate programme will certainly appeal to students who are uncertain about committing themselves to a four year degree programme, but who want the option of progressing on to an ordinary or Honours business degree in the future” *Owen Ross, Head of Department of Business and Management*

Why take this course?

This course contains business knowledge and skills which form the basis for a career in industry, commerce or the public service. You will gain an understanding of the functional areas of business and of the factors which influence business success. On graduation, you will be able to use your knowledge and skills for problem-solving in a business context. You will also learn how effective interpersonal relations at work contribute to the public image of an organisation and to its progress. Development of your communication skills also forms part of the course.

What will I experience?

AIT's Faculty of Business and Hospitality is one of the most internationalised on campus, with large numbers of European and Asian students undertaking degree programmes. This brings a global focus to your learning experience. Add to this lecturers' vast industry experience and the faculty's extensive links with industry, commerce and the public sector, which influence and enrich all programmes. You will have the opportunity to study the major disciplines in business: accounting, finance, economics, management, marketing, and human resources management.

What job opportunities might it lead to?

This course helps to prepare you for a career in areas such as general business, accounting, banking, insurance, marketing, management, administration, retail services and computing.

What will I study?

Year 1

Learning and Development for Higher Education, Financial Accounting, Microeconomics for Business, Computer Applications, Management, Business Mathematics, Macroeconomics for Business, Marketing.

Electives: Insurance, European Business Studies, Sales and Selling, Entrepreneurial Skills, French, German, Spanish.

Year 2

Management Accounting, Information Technology and Computer Applications, Marketing Management in a Digital Age, Human Resource Management.

Electives: Banking, Applied Economics, Operations & Supply Chain Management, Services Marketing, French, German, Spanish, International Economics, E-Business, Applied Entrepreneurship, Financial Accounting.

Further study

As a holder of this qualification you will be eligible to apply to join the Bachelor of Business (level 7) programme at AIT. Alternatively, you may avail of the exemptions granted by one of the professional accountancy bodies and apply for full-time accountancy studies at AIT.





Further study

Graduates from this course are eligible to apply to join the Bachelor of Business (level 7) programme at AIT.

Code - AL650

Level - 6

Duration - 2 years

Cut-off CAO points:

200

Course award:

Higher Certificate in Business

Department:

Department of Business & Management

Minimum entry requirements:

Grade 06 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable.



Student testimonial

"The strength of the community is important at AIT. The collection of small businesses operating inside the college, and the active Student Union, give students a reason and a way to be invested in the college community outside of just attending classes"

ISSE Survey, Higher Cert in Business student



Contact us

Owen Ross

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For more information on our courses visit www.ait.ie/al650

Gnó

Business (Add-on)

“Studying the Bachelor of Business programme prepares students for a wide range of careers as you develop knowledge of marketing, customer attitudes and behaviours, corporate strategy and management”

Owen Ross, Head of Department of Business and Management

Why take this course?

Flexibility is key across our range of highly successful business programmes. This affords you the option to be as specialized or as generalized as you wish while acquiring a comprehensive knowledge and understanding of the modern business world. You may decide to specialize in an area such as marketing, finance, IT or management or to follow a generalist pathway covering the wide range of business subjects.

This course will appeal to those with a particular interest in business and in the interactions and relationships between people, organisations and their environment. If you wish, you may avail of the opportunity to undertake a semester or a full year of your degree at one of AIT's prestigious overseas partner universities.

What will I experience?

You will experience a supportive and stimulating student-centric environment with experienced lecturers, upgraded and comfortable study areas and state of the art IT facilities to help you achieve your potential in your chosen area of study.

We will encourage and assist you in developing the analytical, critical and creative skills needed to succeed in today's business world. You will be exposed to a variety of teaching methods including lectures, tutorials, project work, case studies, presentations and practical workshops all supported by the college's Moodle on-line learning system.

Your learning will be enhanced by the excellent links we have forged in the industrial, commercial and public sectors as we strive to reflect the global and dynamic nature of business in the twenty-first century.

What job opportunities might it lead to?

Graduates from this programme have gone on to pursue a wide variety of careers in companies ranging from small indigenous Irish firms to large multi-national corporations.

The college careers team can help you explore different job sectors, give you advice on CV preparation and arrange interviews with prospective employers.

If you wish to pursue further study, holders of this qualification will be eligible to progress to the Bachelor of Business (Hons) (Level 8) programme which will take one further year to complete.

What will I study?

Managerial Finance, Business Information Systems, Business Law, Managerial Finance, Business Modelling & Enterprise, Company Law.

Electives: Bank Lending and Capital Markets, Taxation, Economic Policy and Analysis, Market Research and Analysis, Supply Chain Management, Sales Management, Corporate Reporting, Decision-Making Techniques, Strategic Human Resource Management, Computer Studies, Music Technology, Radio Broadcast and Production, Irish Studies–Irish Heritage, French, German, Spanish.

Assessment information

Course modules are assessed individually with methods of assessment varying according to the nature of the subject. Assessment should generally reflect the student-centred nature of course delivery and may include some or all of the following:

- Problem solving,
- Project work,
- Presentations,
- Assignments,
- Quizzes,
- Group work,
- Research,
- Essays,
- Examinations.

International study

You have the opportunity to undertake a semester or a year of your degree at one of AIT's overseas partner universities. For example, AIT has business links with the Karel de Grote University College, Belgium and Université de Rennes, France.

Further study

As a holder of this qualification you will be eligible to apply to join the Bachelor of Business (Hons) (Level 8) programme at AIT.

Career prospects

This course will prepare you for a career in areas such as general business, accounting, banking and finance, computing, marketing, sales, retail services, human resource management and entrepreneurship.



Study abroad

You will have the opportunity to undertake a semester or a year of your degree at one of AIT's overseas partner universities.



21%

Increase in new companies in
first half of 2016



For more information on our
courses visit www.ait.ie/courses

Add-on course

Level - 7

DURATION - 1 year

Course award:

Bachelor of Business

Department:

Department of Business &
Management

Minimum entry requirements:

A Higher Certificate in Business
or an approved equivalent level 6
qualification is required.



Student testimonial

"We were encouraged to learn new
things and provided with online
services that greatly assisted us"
*ISSE Survey, Bachelor of Business
student*



Contact us

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Email: oross@ait.ie

Bainistíocht Ghnó Idirnáisiúnta

International Business Management (Add-on)

"The International Business Management programme focuses on how companies become, and remain, international in an ever changing landscape full of challenges" *Owen Ross, Head of Department of Business and Management*

Why take this course?

This programme, at third-year level, provides EU and other overseas students with a range of business and related knowledge and skills required for successful careers in international business management.

The curriculum also helps the student to develop an understanding of Irish history, culture and traditions, as well as providing an insight into the political and administrative structures of the country. Students develop both generic and specialised knowledge related to how industrial and commercial organizations function and to those environmental factors which impact upon the success of an enterprise. A critical understanding of the key factors involved in effective business management, and the development of attitudes and expertise required in today's challenging business environment are among the benefits to be gained from the programme. You will also improve your competence in spoken and written English.

What will I experience?

On this course you can:

- Deal with current real life topics such as developing businesses across borders and dealing with business issues on an international basis
- Study alongside an international cohort of students and engage in a range of extra-curricular events
- Acquire an understanding of Irish history, culture and traditions, as well as an insight into the political and administrative structures of the country

What job opportunities might it lead to?

You will benefit from studying a course which is recognized for its high-quality student experience. Students can progress to an a Bachelor of Business honours degree or a Bachelor of Arts (Hon) in Accounting degree.

Below are some routes our graduates have pursued:

- Regional management
- International sales
- International project management
- Business consultancy

What will I study?

Managerial Finance, Business Modelling and Enterprise, Irish Studies – Irish Heritage, Managerial Finance, International Marketing, Irish Studies – Modern Ireland.

Electives: Taxation, Economic Policy and Analysis, Bank Lending and Capital Markets, Business Information Systems, Market Research and Analysis, Supply Chain Management, Sales Management, French, German,

Spanish, Corporate Reporting, Decision-Making Techniques, Strategic Human Resource Management, Computer Studies.

Further study

As a graduate, you are eligible to apply to join the one-year, add-on Bachelor of Business (Hons) level 8 programme at AIT.

Career prospects

On successful completion of this degree programme, you are prepared for employment in a wide range of business areas such as: management, administration, finance, marketing, sales and information technology.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



Book online

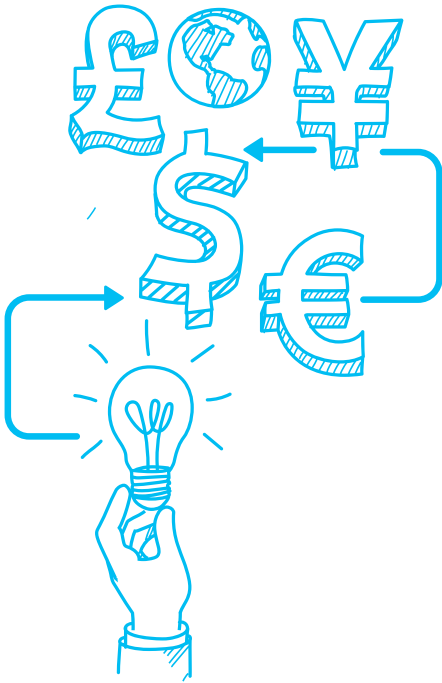
NOW

www.ait.ie/openday



Further study

As a graduate you are eligible to apply to join the one-year, add-on Bachelor of Business (Hons) level 8 programme at AIT.



Some of the world's top firms and most promising start-ups have bases in Ireland

Add-on course

Level - 7

Duration - 1 year

Course award:

Bachelor of Business (Hons)

Department:

Department of Business & Management

Minimum entry requirements:

A Higher Certificate in Business or an approved equivalent level 6 qualification is required. All applicants must be recommended by their parent institution, under the following headings: academic ability, maturity, capacity to integrate, character and integrity, command of spoken and written English and motivation in applying for the course.

“

Student testimonial

“There is a high academic quality due to the institution, providing good lecturing staff who are able to prepare students with the skills to engage in both individual and group learning”

ISSE Survey, International Business Management student



Contact us

Owen Ross
Head of Department of
Business and Management,
Athlone Institute of Technology.
Tel: +353 (0)90 647 1895
Email: oross@ait.ie



For more information on our courses visit www.ait.ie/courses

Gnó

Business (Add-on)

“Our Business Studies Honours degree course is created in a way to provide our students with a knowledge of the core areas of business. We focus primarily on economics, management, finance, marketing or human resources”

Owen Ross, Head of Department of Business and Management

Why take this course?

If you hold a Bachelor of Business qualification, this Honours degree programme provides you with the opportunity to gain a level 8 qualification after one further year of full-time study. The curriculum includes advanced business knowledge and skills to prepare you for the challenges and opportunities likely to arise in future employment. The overall aim is to provide you with the opportunity to develop the analytical and high-level business skills required to deal effectively with rapid technological, organisational and environmental change in a modern business setting. You will develop a conceptual, systematic and mature approach to the identification, analysis and solution of problems in business/commercial/service organisations. You will also acquire the knowledge and critical understanding of the interrelationships between the different functions within business management.

What will I experience?

In addition to traditional lectures and computer lab sessions the course uses practical workshops to provide you with the opportunity to apply the theory, concepts and principles in practice. There will be group exercises which will facilitate peer-supported learning, team-working, communications and creativity. There are case-studies which provide you with an understanding of the practical application of theory in a cross-functional setting. AIT uses the Moodle platform, which is an online resource that will be used to facilitate access to class notes, resources, discussion forums, sharing resources etc., as well as using the platform as a means of communication via e-mail, notices. Professional skills - such as;

- (a) Literacy, numeracy and IT skills;
- (b) People-related skills - such as communication, interpersonal, team-working, customer-service skills;
- (c) Conceptual-thinking skills - such as problem-solving, planning and organising, personal development, innovation and creative skills.

All these skills are critical to any student working in a professional capacity. As part of the programme design, a number of modules involving the phased development of such skills have been integrated into the programme: for example through submission of written reports, oral presentations and team projects. These skills are in demand for business professionals and will be emphasised to students. Additional emphasis will be placed on the importance of adherence to honesty, ethics and integrity principles.

What job opportunities might it lead to?

The course is designed to be a general business Honours degree which may open many opportunities to you. Depending on your choice, the Honours degree can lead to careers in Information Technology, Human Resources, Marketing/selling, International Business or Finance career.

Assessment information

There is a range of different assessments depending on the subjects you take. All subjects have a form of in-term class tests allowing feedback on your performance. There are online quizzes with and without marks awarded. There are two and three hour final written exams. There are group and individual oral and written presentations. There are essays; for example as a book review or reflective report. There are oral examinations in languages and case study presentations. There are lab based and home based test environments. All assessments are designed to occur gradually over the year so as to avoid overloading at any one point.

What will I study?

Strategic Marketing, Financial Management, Strategic Analysis, Strategic Implementation, Systems and Project Management.

Electives: Management Accounting and Decision-Making, Enterprise Database Systems, Integrated Marketing Communications, Supply Chain Management, French, German, Spanish, Financial Markets, Managing People and Organisational Change, Contemporary Issues in Marketing, Ethical Decision-Making and Leadership.

Further study

As a graduate of this programme, you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or another institution. Full details of our AIT postgraduate programmes are contained in the AIT postgraduate prospectus.

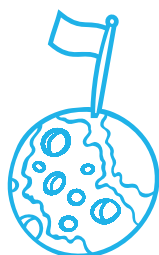
Career prospects

As an Honours business graduate, you can expect to obtain employment at the appropriate level across a wide range of business areas, including management, administration, accounting, banking, retail management, finance, marketing, human resource management, insurance, and computing/information technology. Rapid career progression may be expected on the basis of expertise, commitment and attitude.



Further study

As a graduate you are eligible to be considered for the Master of Business one-year, full-time programme at AIT or another institution.



32 MILLION

€32 million invested in start-ups
by Enterprise Ireland in 2016



For more information on our
courses visit www.ait.ie/courses

Add-on course

Level - 8

DURATION - 1 year

Course award:

Bachelor of Business (Hons)

Department:

Department of Business &
Management

Minimum entry

requirements:

Bachelor of Business (level 7)
qualification is required.

Bachelor of Business Honours



Student testimonial

"There was great interaction
between staff and students"
*ISSE Survey, Bachelor of Business
student*



Contact us

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Business and Management,
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Faculty of Engineering & Informatics

Our courses are designed to meet the requirements of specific employers, including our highly regarded accelerated technician, skills-shortage courses and part-time courses for those already working in industry.

Engineering & Informatics Programmes

Dean of Faculty
Dr Austin Hanley
Tel: 090 6468150
Email: ahanley@ait.ie

 www.ait.ie/faculties/faculty-of-engineering-and-informatics/

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Graduate profile



Name: Dwain Tormey

Course: Polymer engineering

Company: VistaMed, Co. Leitrim

Role: Business unit manager



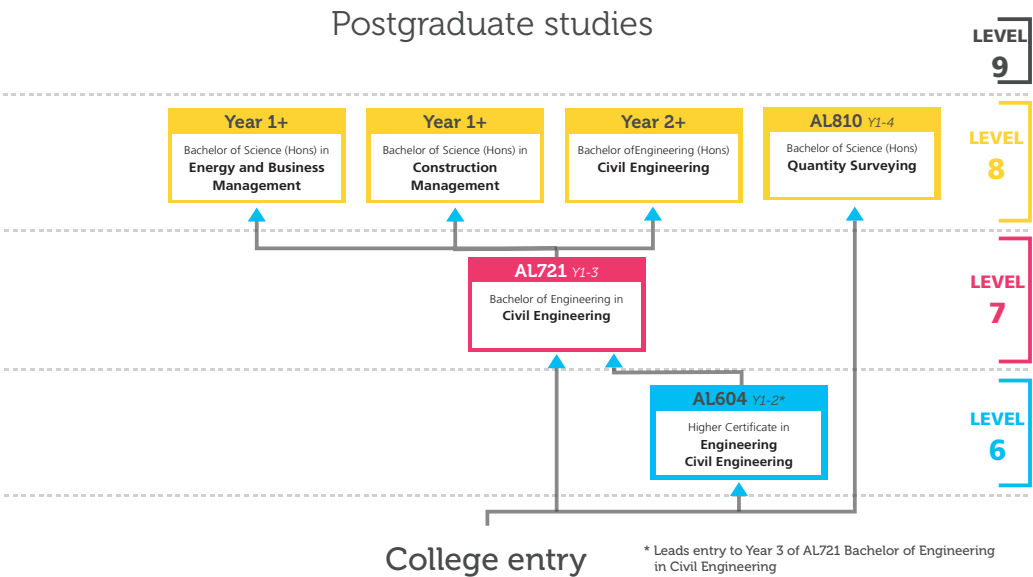
Dwain completed both his Bachelor's Degree and Master in Polymer Engineering in Athlone IT and graduated in 2008. Dwain held posts in Creagh Medical and Medtronic before moving to VistaMed in Carrick-on-Shannon where he is currently Technical Business Unit Manager having previously held the posts of NPI Project Manager and Project Lead Engineer, also at VistaMed.

During his time at VistaMed Dwain won GradIreland's Graduate employee of the year for 2011.

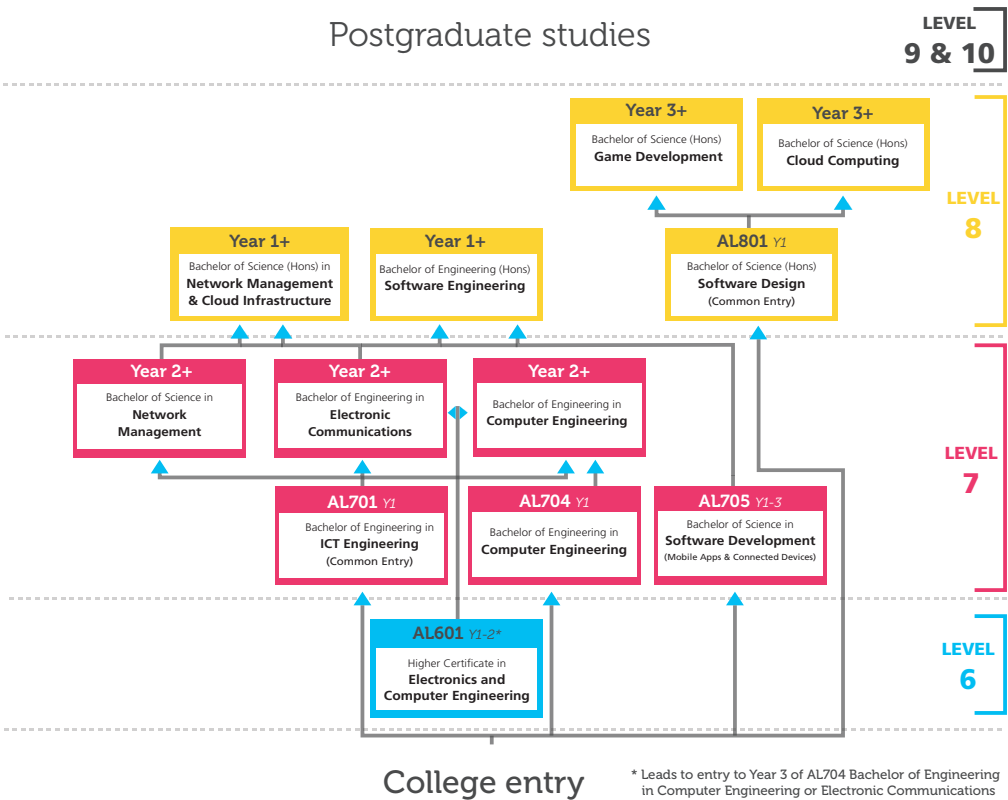


Progression options

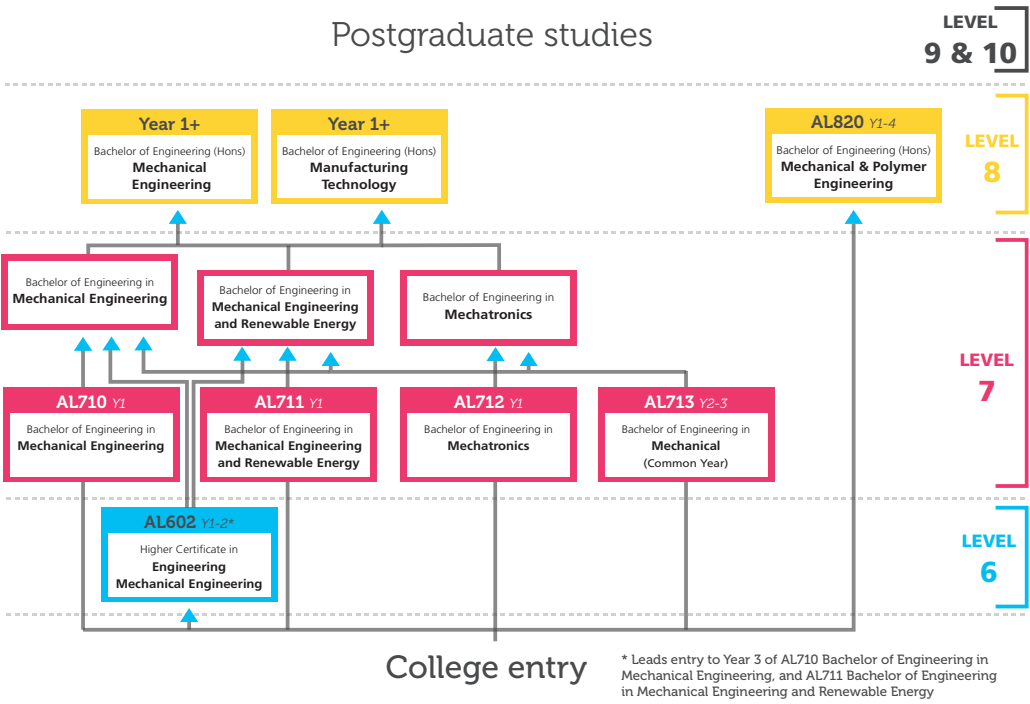
Civil & Construction Engineering



Electronics & Informatics



Mechanical/Polymer Engineering



Suirbhéireacht Chainníochta

Quantity Surveying

"This four year programme prepares graduates for a career in the dynamic construction industry. Over the duration of the course students will work collaboratively with our lecturing staff who will cover the core technologies and processes that are shaping the future of the built environment"

Alan Duffy, lecturer in Quantity Surveying

Why take this course?

This course is suitable for those interested in the professional side of the Construction Industry. The Quantity Surveyor acts within both accountancy and legal frameworks. This 4-year programme offers specialisms in Building Information Management (BIM) and in the area of Mechanical and Electrical Services Cost Management. These are areas of significant growth in the Irish construction industry, particularly in sectors such as Data Centre Development, Pharmaceutical, Agri-food and large scale commercial projects.

In Ireland, as well as internationally, there is a shortage of Quantity Surveyors with Mechanical and Electrical qualifications. This means that the successful student will be much sought after by employers.

What will I experience?

The programme will cover core areas of Quantity Surveying and explore Building Information Modelling and the cost management of Mechanical and Electrical Services Technology. The programme includes a nine month work experience placement.

In Mechanical and Electrical Services Technology, the student will learn about Energy Management, Life Cycle Costing and Measurement, Estimating and Cost Control. The student will also learn about Construction Technology, Construction Law and Contract Administration, as used both in Ireland and internationally.

What job opportunities might it lead to?

It is envisaged that this course will be used as a stepping stone to Chartered status, an internationally recognized qualification.

Employment opportunities include working in dedicated Mechanical and Electrical departments of various industries such as Data, Pharmaceutical, Agri-food and on large scale commercial projects. The graduate will be qualified to work with contractors, sub-contractors, local authorities, government departments or as a consultant in a private practice.

If travel is on your agenda then this course is ideally suited to fulfill that ambition as it covers different aspects of Irish and international mechanical and electrical services technology.

What will I study?

Year 1

Measurement and Costing, Project Management, Mathematics for Surveying, Domestic Construction Technology, Introduction to AutoCAD & BIM, Learning and Development for Higher Education, Building

Information Modelling, Computer Applications, Land Surveying.

Year 2

Construction Management, Commercial Construction Technology, Mechanical and Electrical Services Technology, Information Communications Technology, Cost Management, Law, Cost Management for Building Services, Cost Planning and Estimating.

Year 3

Development Economics, Economics and Finance, Building Information Modelling, Energy Management, Cost Management, Law, Construction Health and Safety, Industry Placement.

Year 4

Construction Law, Introduction to Building Information Management for Construction, Applied Project Management, Research Methods in Quantity Surveying, Cost Management, Contract Administration, Business Management, Professional Practice, Dissertation.

Accreditation

The institute would expect that graduates will pursue chartered status through the assessment of professional competence process and achieve chartered status with the Society of Chartered Surveyors Ireland (SCSI), and in parallel achieve chartered status with the Royal Institute of Chartered Surveyors (RICS). The process of obtaining professional accreditation for the programme will be completed for graduates of the programme.

Professional accreditation

Following graduation of the first class cohort AIT will seek professional accreditation through the Society of Chartered Surveyors of Ireland (SCIS). All graduates will have the educational qualification deemed necessary for the title Chartered Quantity Surveyor.

Work placement

The student is required to complete a 9-month work placement from January of the third year of the programme. The placement carries 30 credits and must fulfil prescribed criteria, to which the employer will agree in advance. Placements may be done in Ireland or abroad.

Further study

As a graduate of this programme, you will be equipped to progress to a postgraduate programme, study or research at AIT or another institute. You will also be eligible to pursue chartered status.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Career Prospects

As a graduate of this programme, you can expect to find employment as a QS in a wide range of sectors including the data, pharmaceutical, agri-food, large scale commercial construction sectors; in chartered surveying consultancies, working in dedicated M&E specialist departments; or working as a QS for contractors and quantity surveying practices.

As a graduate of this programme, you will be equipped to progress to a postgraduate programme, study or research at AIT or another institute. You will also be eligible to pursue chartered status.

112,000

The construction industry could potentially create 112,000 jobs by 2020



For more information on our courses visit www.ait.ie/al810

Code - AL810

Level - 8

DURATION - 4 years

Cut-off CAO points:

311

Course award:

Bachelor of Science (Hons)

Department:

Dept of Civil & Construction Engineering

Minimum Entry Requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold the following award: Construction Technology (5M5010). They are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.



Student testimonial

"The lecturers relate course work to a work environment, and they can back this up with their own experience"

ISSE Survey, Quantity Surveying student



Contact Us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

Tel: +353 (0)90 6471824

Email: jlawless@ait.ie

Civil Engineering

“Higher Certificate graduates are eligible to apply for the BEng in Civil Engineering (Level 7 on the National Framework of Qualifications)”

Joe Lawless, Head of Department of Civil, Mechanical & Polymer Engineering & Trades

Why take this course?

Civil engineering encapsulates broad engineering fields focused on a range of infrastructural elements which include water, energy, railroads and buildings to mention just a few.

Attending this Higher Certificate course will help to develop a grounding in both the theoretical and practical aspects of civil engineering.

It will give you a thorough knowledge of the materials, processes, technologies and standards required to design and build civil engineering structures of the highest quality. As a graduate you will not only be industry focused but you will have acquired the ability, versatility and know-how to help shape its development.

The AIT higher certificate in civil engineering was developed to meet the needs of the modern day civil engineering industry. The programme is designed to help create a technical resource for the next generation of civil engineering companies operating both in Ireland and abroad, as well as meet the evolving requirements of a rapidly changing industry. This programme is designed to meet the requirements of individuals looking to develop valued technical skills and knowledge.

What will I experience?

On this course you can:

- Have the opportunity to visit state-of-the-art civil engineering works and manufacturing facilities,
- Work in computer labs using the latest 3D engineering modelling software,
- Test the properties of engineering material and their behaviour using our suite of engineering laboratories and testing equipment,
- Use modern GPS surveying equipment and related software applications.

What job opportunities might it lead to?

Graduates of this programme have successfully pursued careers with contractors, consultants, materials suppliers and local authorities both nationally and internationally. As a civil engineering technician, you can expect to work in a technical capacity as a manager, surveyor, draughts-person or a laboratory technician involved in testing materials and supporting companies in the civil trade. Some of the areas pursued by our recent graduates include:

- Construction management,
- Quantity surveying,
- Building Information Modelling (BIM),
- Water and wastewater treatment and assessment,
- Structural steel fabrication,
- Insurance assessment,
- Topographical and building surveying.

What will I study?

Year 1

The first year will introduce you to the fundamentals of civil engineering, providing you with a firm grounding in its underlying principles.

Core modules of first year include:

- Mathematics,
- Construction Technology and CAD,
- Engineering Science and Materials,
- Structural Mechanics,
- Engineering Surveying,
- Learning to Learn and Computer Applications.

Year 2

In year two, your understanding of civil engineering is taken a step further. Focus is again placed on core competencies with each module content reflecting the increase in knowledge depth. Core modules of second year include:

- Structural Engineering,
- Soil Mechanics and Technology,
- Fluid Mechanics,
- Project and CAD,
- Surveying,
- Engineering Mathematics,
- Construction Management,
- Engineering Materials.

Additional information

The course is designed to make graduates fully aware of the practical and theoretical dimensions of civil engineering so they are prepared to enter the workplace and are equipped to develop professionally if they wish to progress their career. The course will transfer to the graduates:

- The mathematical techniques essential for this course of study
- The competence to interpret and apply technical guidance documents and related codes
- The ability to use computer based drawing systems - AutoCAD and Revit
- The confidence to communicate technical information
- An understanding of scientific methods used in an engineering context
- The practical application of surveying principles and techniques.

Assessment information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods from lectures, practicals, ICT sessions and laboratory exercises. The course is taught



Further Study

As a graduate you can progress all the way to an Hons degree in civil engineering.

by experienced, Civil/Structural/Environmental Engineers, Geologists and Quantity Surveyors with a track record of success in many sectors of the civil engineering industry.

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody. Here are some of the ways we assess your work:

- Mini-projects,
- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- Quizzes,
- Portfolio work.

Further study

If you choose this level 6 programme, you can graduate after two years' study and can enter the workplace at that stage with a recognized qualification. Alternatively, if you choose to continue your studies, you can progress all the way to an honours degree in civil engineering.

Professional accreditation

Graduates of the Higher Certificate in Civil Engineering are deemed to have reached the educational standard linked to the title 'Engineering Technician' as granted by Engineers Ireland. The qualification is recognized under the Washington Accord by more than 40 countries worldwide including, among others, the EU, US, Australia and Canada.

Code - AL604

Level - 6

Duration - 2 years

Cut-off CAO points:

AQA

Course award:

Higher Certificate in Engineering

Department:

Dept of Civil & Construction Engineering

Minimum entry requirements:

Grade O6 at Ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.



Student testimonial

"Practical activities such as labs and outdoor assignments were very interesting and easy to understand"

ISSE Survey, Civil Engineering student



Contact us

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Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

Tel: +353 (0)90 6471824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al604

Innealtóireacht Shibhialta

Civil Engineering

"Graduates of this level 7 programme qualify as Associate Engineers and find employment in the civil & construction industries or transfer their skills to other domains. Some pursue an honours degree that leads to a chartered engineering qualification"

Dr. Austin Hanley, Dean of Faculty of Engineering & Informatics

Why take this course?

If you pursue this degree programme you will develop the ability to apply engineering and planning methods to the design, construction and maintenance of civil engineering structures and facilities. In doing this, you will gain both the academic and scientific capability to make a real contribution to modern construction operations.

The world of civil engineering has evolved to a point where all participants in this field are now part of an integrated process. If you want to engage with this process or ultimately drive it, then this course is right for you. As a graduate of this programme you are eligible to apply to join the Bachelor of Engineering (Hons) in Civil Engineering, which is fully accredited by Engineers Ireland.

What will I experience?

On this course you can:

- Have the opportunity to visit state-of-the-art civil engineering works and manufacturing facilities,
- Work in computer labs using the latest 3D engineering modelling software,
- Test the properties of engineering material and soils using our suite of engineering laboratories and testing equipment,
- Use modern GPS surveying equipment and related software applications,
- Apply management software applications to industry based projects,
- Carry out analytical works through the long established links we have with companies and organisations in the midlands region.

What job opportunities might it lead to?

With a degree in civil engineering you are open to a range of career opportunities in both the public and private sector. Whether it be in supervisory or design capacity, your specialist knowledge is of value to civil engineering contractors and civil/structural/environmental engineering consultants. Furthermore, national and local government agencies in areas of water supply, road/bridge design and maintenance, building regulations compliance and assessment of engineering material compliance all require graduates with the qualification standard this programme provided. In particular the emergence of Building Information Technology (BIM) as the cornerstone to all engineering projects means graduates can now pursue the career of BIM coordinator for companies operating on both the supply and delivery side of the engineering process.

What will I study?

Year 1

The first year will introduce you to the fundamentals of civil engineering, providing you with a firm grounding on

its underlying principles. Core modules of the first year include:

- Mathematics,
- Construction Technology and CAD,
- Engineering Science and Materials,
- Structural Mechanics,
- Engineering Surveying,
- Learning to Learn and Computer Applications.

Year 2

In year two your understanding of civil engineering is taken a step further. Focus is again placed on core competencies with each module content reflecting the increase in knowledge depth.

Core modules of the second year include:

- Structural Engineering,
- Soil Mechanics & Technology,
- Fluid Mechanics,
- Project and CAD,
- Surveying,
- Engineering Mathematics,
- Construction Management,
- Engineering Materials.

Year 3

Year three reinforces the learning that has taken place over the initial two years with a final year project and industry focused course material. Core units in this year include:

- Engineering Mathematics,
- Structural Analysis and Design,
- Geotechnical Engineering,
- Environmental Engineering and Hydraulics,
- Costing and Engineering Management,
- Project and CAD,
- Engineering Materials.

Additional information

The initial two years of the course is run in tandem with our level 6 programme in civil engineering.

The balance of theory and practice gained over this period is reinforced with a more industry focused final year on this degree programme. In achieving this outcome the course provides the graduates with:

- An understanding of the basic principles of fluid mechanics and hydraulic theory as applied to infrastructural works,
- An introduction to construction management and quantity surveying practices and principles
- The fundamentals of GIS for spatial analysis and environmental management,
- An understanding of the major components of business planning and management.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.

Professional accreditation

You are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer. Graduates of the BEng in Civil Engineering are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. The qualification is recognised under the Washington Accord, by more than 40 countries world-wide, including among others the EU, the US, Australia and Canada.

Assessment Information

We place a lot of emphasis on student support and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning. You will encounter a range of teaching methods from lectures, practicals, ICT sessions and laboratory exercises. The course is taught by experienced, Civil/Structural/Environmental Engineers, Geologists and Quantity Surveyors with a track record of success in many sectors of the civil engineering industry.

We appreciate that different students have different learning styles and so we provide a range of assessment approaches to suit everybody.

Here are some of the ways we assess your work:

- Mini-projects,
- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- Quizzes,
- Portfolio work.

Code - AL721

Level - 7

Duration - 3 years

Cut-off CAO points:

225

Course award:

Bachelor of Engineering

Department:

Dept of Civil & Construction Engineering

Minimum entry requirements:

Grade O6 at Ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.



Student testimonial

"Lecturers made sure that the course material was very relevant to the industry, meaning graduates are more prepared when entering the workplace"
ISSE Survey, Civil Engineering student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

Tel: +353 (0)90 6471824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al721



Students undertaking practical course work on campus.



Lecturer Profile

Name: Dr. Attracta Foley

Area: Civil Engineering



Dr. Attracta Foley is a Chartered Civil Engineer. Prior to joining AIT, Attracta worked in consultancy as a Senior Bridge Engineer and was responsible for the design of numerous bridges throughout Ireland and the UK. Attracta also managed projects including gas pipelines (British Gas), tunnelling (Channel Tunnel Rail Link), railway (re-signalling) and industrial ground works (pharmaceutical).

Having gained a first class honours degree in civil engineering, she graduated with a PhD from the University of Wales.



Innealtóireacht Shibhialta

Civil Engineering (Add-on)

"As a Civil Engineer, my job entails working with the design and construction of roads, buildings, bridges, water supply, sewage systems, etc. After studying this course at AIT, it allowed me to progress towards qualifying as a chartered civil engineer"

Lisa Sweeney, graduate

Why take this course?

Civil engineering is a diverse, challenging and rewarding career. Civil engineers have the opportunity to work in a broad spectrum of roles, including design, construction and management of a diverse range of typically large projects, contributing to the development of societies and economies.

These include renewable energy infrastructure, water and coastal structures, bridges, tunnels, roads, rail, airports and major buildings.

Civil engineers are at the forefront of meeting the challenges of climate change by developing sustainable materials and construction methods, improving energy efficiency and reducing carbon emissions, and developing structures such as flood defences, green/passive buildings, energy harvesting plants, etc. This means that the industry is fast-moving and evolving rapidly.

The programme in AIT is delivered by a committed, highly qualified faculty with up to date industrial experience and a growing reputation for excellence in research, meaning you will be exposed to the very latest developments in the field.

What will I experience?

This programme offers a rich learning experience in state of the art facilities. You will build on earlier studies and experience to delve further into areas of structures, materials, geotechnics, water, management, traffic and environmental engineering.

Modules are delivered in an exciting and challenging blend of tutorials, laboratories and lectures. Assessment is broad-based, employing reports, design projects, presentations, posters, interviews, exams, etc.

Integral to the programme is an Industrial Placement, which offers invaluable experience, while research projects can be conducted alongside postgraduates and research active staff/companies. Several have led to papers being published in journals and presented at international conferences.

What job opportunities might it lead to?

There is now a high demand for civil engineers, leading to excellent opportunities with attractive starting salaries both at home and abroad.

Graduates may find roles in either the private or public sector, involving the design, management and construction of large-scale projects, including energy infrastructure, water, coastal structures, bridges, tunnels, roads, rail, airports and major buildings. Graduates may also pursue further studies by completing taught

programmes or undertaking research masters or PhD projects.

What will I study?

Year 1 - Semester 1

Engineering Mathematics 4.1, Hydraulics 4.1, Structural Analysis 4.1, Structural Design 4.1, Engineering Geology and Soil Mechanics, Mechanics of Solids 4.1.

Semester 2

Engineering Mathematics 4.2, Hydraulics 4.2, Structural Analysis 4.2, Structural Design 4.2, Engineer in Society, Research Methodology.

Year 2 - Semester 1

Industrial Experience and Professional Communications, Project, Mechanics of Solids 5.1, Geotechnical Engineering, Highway Design, Traffic Engineering.

Semester 2

Scheme Design, Environmental Engineering, Foundation Engineering, Numerical Methods, Construction Management.

Accreditation

As a graduate of this Bachelor of Engineering (Hons) in Civil Engineering, you are eligible to apply to Engineers Ireland to use the registered professional title of Chartered Engineer.

Assessment information

Assessment is broad-based, with almost 60% continuous assessment. Continuous assessment comprises design projects, laboratory practicals, case studies, interviews, presentations, poster presentations, thesis, etc.

Work placement

Integral to the programme is an industrial placement, which offers invaluable experience, while research projects can be conducted alongside postgraduates and research active staff/companies. Several have led to papers being published in journals and presented at international conferences.

Further study

Graduates may also pursue further studies by completing taught programmes or undertaking research master's or PhD projects.

Career prospects

Graduates may find roles in either the private or public sector, involving the design, management and construction of large-scale projects, including energy infrastructure, water, coastal structures, bridges, tunnels, roads, rail, airports and major buildings.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

"We can take you on a campus tour, just ask..."



askus@ait.ie



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 8

Duration - 2 years

Course award:

Bachelor of Engineering (Hons)

Department:

Dept of Civil & Construction Engineering

Minimum entry requirements:

Applicants must have achieved an overall merit 2 (50 – 59%) or higher in a level 7 BEng Civil Engineering course or equivalent.

They must also have obtained 70% or higher in ordinary degree level mathematics module or a pass in Bridging mathematics to bring the student to the requisite standard. Bridging mathematics is offered to students by AIT.

Note:

For those who have not achieved 70% in the final (award) year of their level 7 Course, a week-long bridging maths course will be held in AIT in late August with an exam at the end of the week. A pass (50%) in this exam will qualify as meeting the mathematics Entry Requirement for the course.



Student testimonial

"This course offers applied learning with practical work and labs"
ISSE Survey, Civil Engineering student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

Tel: +353 (0)90 6471824

Email: jlawless@ait.ie

Tógáil Bainistíocht

Construction Management (Add-on)

"This course focuses on project management and budget control. It focuses primarily on management with a foundation in the technical aspects of construction and engineering"

Dr. Austin Hanley, Dean of Faculty of Engineering and Informatics

Why take this course?

This programme is a unique offering in Ireland and has been specifically designed to meet the modern requirements of a construction manager in a fast-evolving sector. While rooted in construction management fundamentals, the focus of this programme is on contemporary challenges such as the implementation of lean management processes and proficiency in Building Information Modelling (BIM) technology. Upon successful completion of this course, the graduate will possess much sought-after skills in the modern construction management sector.

What will I experience?

You will be exposed to a range of modules that are most relevant to Construction Management. You will be taught by academic staff with current industrial experience and you will get direct exposure to relevant industrial practice.

What job opportunities might it lead to?

The skills developed through this programme have been identified as in-demand through both published national reports which identify lean processes, use of ICT, building regulations and management capability as the key skills shortages in the construction sector and on direct consultation with industry carried out by AIT. Identified skills such as lean management, building information modelling and updated building regulations and forms of contract form the core of this programme.

Graduates from the programme will find opportunities as Construction Managers, Site Managers, Project Managers, Contract Administrators/Managers, Careers in Surveying, Management and Construction Law (with further education).

What will I study?

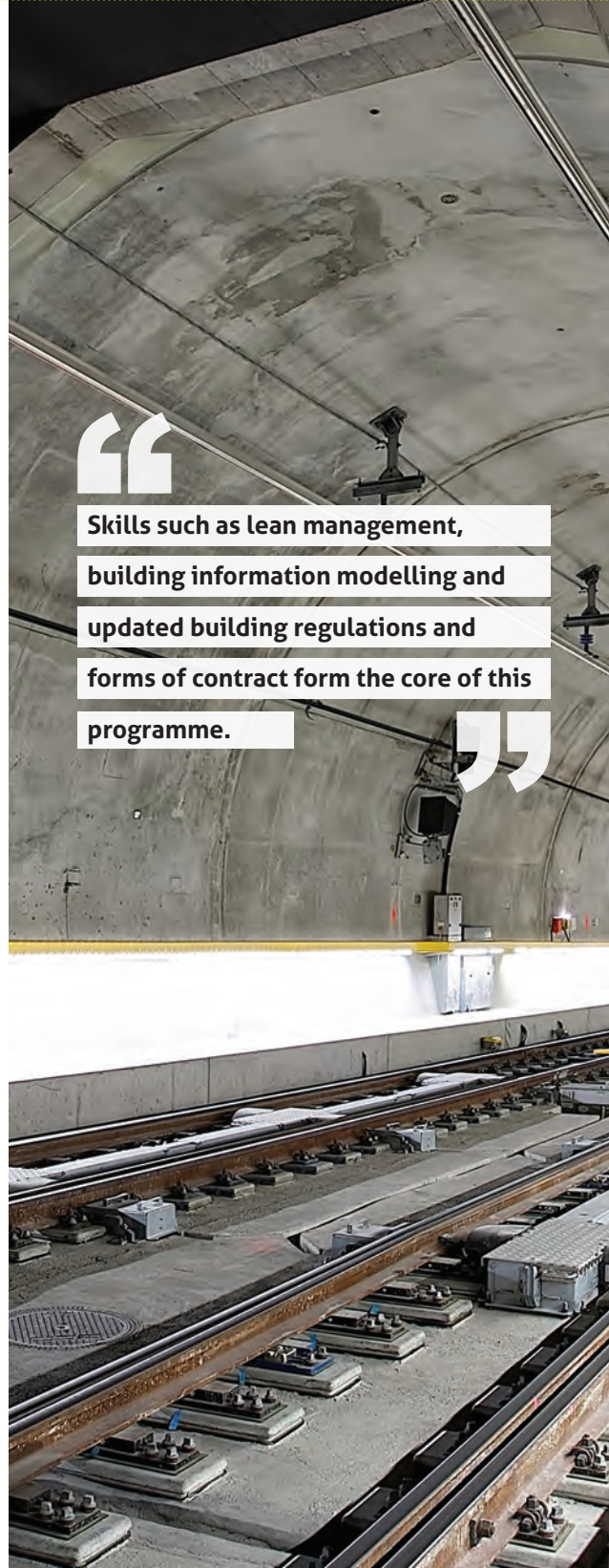
Project Management and Scheduling, Introduction to Building Information Management for Construction, Construction Economics and Procurement, Business Management, Site Organisation, Construction Law, Dissertation.

Further study

As a graduate of this programme you are eligible to apply for postgraduate study in a cognate area.

Assessment information

Assessment is broad-based, with almost 60% continuous assessment. Continuous assessment comprises design projects, laboratory practicals, case studies, interviews, presentations, poster presentations, thesis, exams, etc.





Further study

As a graduate you can progress all the way to an honours degree in civil engineering.

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Science (Hons)

Department:

Dept of Civil & Construction Engineering

Minimum entry requirements:

Level 7 qualification in construction studies, construction management, civil engineering or related discipline.

Student testimonial

“My course has highly qualified lecturers with lots of industry experience, who are constantly coordinating with each other, and genuinely want everyone to get through the course. The facilities are excellent and will make moving from 3rd level education to the work place a seamless transition”

ISSE Survey, Construction Management student

Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

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Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/courses

Energy and Business Management (Add-on)

“Evidence based best practice and research are key strands of the theme of this year of study”

Why take this course?

This one-year add-on programme is ideal for those who want to pursue a career in the area of facility management. The particular emphasis of the programme is on Energy and Management. The student shall become familiar with the various types of energy efficient installations. Evidence based best practice and research are key strands of the theme of this year of study. The work-based project module is intended to capture the knowledge and skills acquired under the suite of modules (Assessing the scope for energy savings and the implementation of energy efficient initiatives in the industrial and commercial sector).

What will I experience?

On the programme the student will engage in taught modules in the following areas:

- Project Management,
- Energy Auditing,
- Business Sales and Marketing,
- Environmental Science and Technology,
- Energy Management,
- Facilities Management and Law,
- BIM and ICT,
- Environmental Design.

The students will also complete a capstone work based project. This is considered an essential element of the programme and is intended to provide the learner with the opportunity to select an energy and business related topic and use this to integrate the learning of the programme as a whole.

What job opportunities might it lead to?

Typical employment opportunities include:

- Energy manager within a corporate structure,
- Energy auditor of various building types,
- Property/ Facilities/ Project Manager.

Work responsibilities may include:

- Manage, audit and review the energy use in both new and existing commercial and industrial buildings,
- Apply green design principles regarding material choice for construction and fit-out,
- Manage on-site facilities from a construction, personnel, contract and energy perspective,
- Assess the scope for energy savings and the implementation of energy efficiency initiatives on both a domestic and commercial scale,
- Identify and prioritise opportunities for environmental improvements within the work place and improve the well-being of the occupants,
- Effectively use BIM to develop construction data, schedules and energy simulation models.

What will I study?

Project Management, Energy Auditing, Energy Management, Environmental Science and Technology, Building Information Modelling and Simulation, Business, Sales and Marketing, Facilities Management and Property Law, Environmental Design

Further study

This honours Bachelor's degree is an effective basis for postgraduate study and research leading to a master's (level 9) qualification.

Career prospects

Energy management within a corporate structure, Energy auditing (either for a company or through self-employment). The sales and development area of green energy supply, auditing and management, the area of property/facilities/project management.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018

Book online

NOW

www.ait.ie/openday



Further study

As a graduate you have the chance to progress to postgraduate study and research leading to a masters (level 9) qualification.

Add-on course

Level - 8

Duration - 1 year

300,000 HOMES

3,500 BUSINESSES

700 MILLION

300,000 homes as well as 3,500 businesses and public sector bodies have implemented energy efficiency measures that are saving them an estimated €700 million annually



For more information on our courses visit www.ait.ie/courses

Course award:

Bachelor of Science (Hons)

Department:

Dept of Civil & Construction Engineering

Minimum entry requirements:

Bachelor of Science in Sustainable Construction or equivalent Level 7 qualification.



Student testimonial

"I found lecturers to be very encouraging and gave really good feedback"

ISSE Survey, Energy and Business Management student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades
Athlone Institute of Technology.

Tel: +353 (0)90 6471824

Email: jlawless@ait.ie

Dearadh Bogearraí

Software Design

(Common Entry to Game Development and Cloud Computing)

"Our Software Design course enables students to develop strong software programming skills through two exciting specialisations: Game Development and Cloud Computing. One minute you're creating monster AI, the next you're creating applications on the Edge of the Cloud!"

John Barrett, lecturer Dept of Electronics & Informatics

Why take this course?

Software Development is an enormous growth area in ICT engineering. Over 900 software companies are currently in operation in Ireland employing more than 24,000 people. Students of our Software Design degrees are provided with the skills necessary to thrive and innovate in this exciting industry. Our strong links with industry leaders enable us to provide you with a state-of-the-art degree which enables you to be relevant in your career from the word go.

This programme has a common first year which then allows you to specialise in the following level 8 qualifications:

- BSc (Hons) in Software Design (Game Development)
- BSc (Hons) in Software Design (Cloud Computing)

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. The common entry structure of this programme allows you to experience many core aspects of Software Development before choosing your specialisation in second year. Lecturers have extensive industry experience which enriches their teaching skills and competencies. You will be part of an exciting software development environment, with advanced research and strong links to industry. You will enjoy a six-month work placement during your third year of the programme giving you real industrial experience while undertaking a challenging project.

Game development stream

Game development is one of the fastest growing sectors in the entertainment industry. Annual video games sales are approx. €30 billion and are expected to rise to €40 billion in the next four years. Globally, the computer games industry is an area with enormous potential for development. The value of the computer games industry worldwide is in excess of €85 billion. Our Game Development specialisation prepares you to work as a Software Developer in this fast-paced industry. As part of your development you'll work with the latest tools and technologies to enhance your skillset. Software development languages tools and methodologies provide the backbone of the programme. These skills are critical to following a career in the game development industry but also have widespread application across many domains.

Access to this degree is through AL801 – Software Design (Common Entry).

Cloud computing stream

Cloud computing can be defined as the unification of devices, operating systems, data and storage into a single system. This honours degree (level 8) is designed to provide the education and training required to prepare you for a career in software design, focusing specifically on Cloud computing. Cloud computing has been referred to as "climate change for IT" with a significant growth in employment opportunities in this area. The course introduces the student to various concepts of software design in the common first year. This is expanded further in year 2 and semester 1 of year 3 with a greater specialisation in the implementation and testing of web and Cloud-based software solutions using the latest technologies. In the final year of the programme the student undertakes further specialised modules in cloud computing and completes a major Project.

Access to this degree is through AL801 – Software Design (Common Entry).

What will I study?

Year 1

Digital Media, Mathematics for Software Design, Software Development, Web Development, Game Development, Agile Methodologies, Communication Computer Applications.

Year 2

(Game Development stream)

Mathematics for Software Design, Software Development, Agile Methodologies, Software Development for Gaming, Databases, Game Development, Networks, Group Project Or

(Cloud Computing stream)

Mathematics for Software Design, Software Development, Agile Methodologies, Software Development for Cloud, Databases, Web Development, Networks, Group Project, Mobile Application Development

Year 3

(Game Development stream)

Operating Systems and Concurrency, Software Development, Software Engineering, Software Development for Gaming, Game Theory and Multicore, Programming, Game Development, Placement.

Or

(Cloud Computing stream)

Operating Systems and Concurrency, Software Development, Software Engineering, Software Development for Cloud, Server-side Web Development, Web Development, Placement.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Year 4

(Game Development stream)

Project, Computer Graphics, Networks, Management and Organisational Behaviour, Game Technology, Databases, The Engineer in Society, Security, Distributed Systems.

Or

(Cloud Computing stream)

Project, Computer Graphics, Networks, Management and Organisational Behaviour, Databases, Data Mining and Machine Learning, The Engineer in Society, Security, Distributed Systems, Service Oriented Architecture.

Work placement

As part of your adventure in Software Design you will have the opportunity to work in industry both locally and abroad on our Work Placement programme. This gives you relevant working experience and valuable contacts in the industry before you graduate.

If you decide to travel abroad on your Placement our excellent International Office will set you up with one of our partner institutes across Europe and Asia. The world really will be your oyster.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (level 9) at AIT or appropriate postgraduate programmes at other third level institutions.

Career prospects

Students graduating from this course will be in a position to take up careers as game developers, software designers, database programmers and administrators, and technical salespersons. Employers include: Ericsson, Valeo, Cisco, Avaya (Nortel), SAP, Hewlett-Packard, Google, Microsoft, IBM, Riverdeep, as well as financial institutions and SMEs.

Code - AL801

Level - 8

Duration - 4 years

Cut-off CAO points:

290

Course award:

Bachelor of Science (Hons)

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold the following award: Information Technology (CITXX). They are also required to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics. They must also possess distinctions in three modules.



Student testimonial

I'm in my 3rd year on this course and I can say that I am really enjoying it. The lecturers are really supportive and I am gaining the skills that will help me progress my career"

Joe Smith, Software Design , Year 3



Contact us

Marcus Rahilly

Head of Department of Electronics & Informatics, Athlone Institute of Technology,

Tel: +353 (0)90 6468155

Email: mrahilly@ait.ie



For more information on our courses visit www.ait.ie/al801

ICT Engineering

(Common entry to Computer Engineering or Network Management or Electronic Communications)

"This course has a particular focus on real world learning which enhances the graduate's job prospects and helps them make the transition from the college to workplace seamless" *Marcus Rahilly, Head of Department of Electronics & Informatics.*

Why take this course?

Information, Communications Technology, otherwise known as ICT continues to be a transformative technology force in the world and the release of low-cost microcontrollers and an exponential use of sensors is now driving the Internet of Things. This will drive demand for engineers with the skill to design and integrate these sensor systems to appropriate software platforms.

AIT's faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in Ireland. Lecturers have extensive industry experience which enriches their teaching skills and competencies. Having completed a range of modules in the ICT area, you are better able to select which area you would like to follow for later years.

What will I experience?

This programme provides a common entry year 1 to the following Level 7 programmes.

- BSc in Network Management,
- BEng in Computer Engineering,
- BEng in Electronic Communications,
- This gives the student time and experience to come to an informed choice on which specific programme they would like to continue in the second and third year.

What do I do in the common first year?

- Building and testing electronic circuits based on the Arduino microcontroller,
- Configuring small networks based on Cisco CCENT,
- How a computer works inside the box, based on CompTIA A+,
- Introduction to Java programming,
- Computer Applications (Microsoft Office User System),
- Mathematics,
- Communication skills (learning to learn, team work, collaboration, presentation skills),
- Years 2 and 3 will focus on different areas depending on your programme selection.

What job opportunities might it lead to?

Each of the three programmes will provide the graduate with a set of core skills in computer systems and programming which qualify him/her for many jobs in the ICT sector.

Network Management

Networked devices are all around us, from the traditional wired LAN, to wireless, to fibre, to cloud computing and the Internet of Things. All these devices require secure and reliable networks in order to function. The management of Networks is a core function of many organisations.

The student will acquire skills in the configuration and fault finding of network devices including servers, switches, routers and wireless access points and controllers. You will understand the nature of security threats and appropriate protection systems. You will also be introduced to the legal issues associated with data integrity on computer systems and the design and testing of engineering support systems. Project skills will be developed through projects completed in years 2 and 3.

Computer Engineering

Computer engineers play a vital role in the research, design, development and installation of computer hardware and software. Areas where computer engineers are employed include the mobile phone industry, gaming, medical devices, cloud technology, smart transport and energy management.

This degree will provide you with the education and training necessary for a career in the computer, software and electronics industry. You will develop the necessary theoretical knowledge in areas that are crucial to computer engineering and you will develop skills in computer systems administration and problem-solving.

Electronic Communications

This option covers a range of topics in the mobile and wireless communications fields. How we generate and consume information has moved more and more to the wireless space. This drives demand for ever faster wireless networks. The Internet of Things will be a significant consumer of network capacity. The increased bandwidth requirement will require a cohort of skilled graduates to fill roles in this area. The design and deployment of 5G networks will provide significant opportunities.

What will I study?

Common Year 1

Networks, Interface Electronics, Computer Systems, Software Development, Mathematics, Communications (ICT), Computer Applications, Electronics Workshop.

Year 2

Network Management Stream

Computer Systems Administration, Engineering Economics, Project, Mathematics, Wireless LAN's, Enterprise WLAN's, Network Operating Systems, Networks and IT Infrastructure, Connected Devices.

Computer Engineering or Electronic Communications Stream

Electronics, Wireless LAN's, Mathematics, Software Development, Engineering Economics, Communication Systems, Digital Electronics, Business Environment and Systems, Project.



Further study

On completion of one of the level 7 courses, students can opt to progress to a one-year add-on level 8 honours degree.

Year 3

Network Management Stream

Mobile Networks, Scripting, Quality and Project Management, Mathematics, Network Security, Network Management, Switched Networks, Project

Computer Engineering Stream

Software Development, Digital Signal Processing, Mobile Computing, Computer Systems Administration, Mathematics, Data Communications and Networks, Business Environment and Systems, Project

Electronic Communications Stream

Mobile Networks, Digital Signal Processing, Mobile Computing, Digital Modulation, Mathematics, Data Communications and Networks, Business Environment and Systems, Radio Communications, Enterprise WLAN, Project

Professional accreditation

Graduates of all three programmes are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. This qualification is recognised under the Sydney Accord, by more than 40 countries world-wide, including the EU, the US, Australia and Canada.

Assessment Information

A range of assessment methods are used on this programme. A high % of the overall programme assessment is by way of continuous assessment and project work undertaken by the students, this more closely mimics the work environment. The type of continuous assessment used will vary by module, it can comprise lab reports, skills exams, multiple choice exams, coding design, business plan or project progress reports, project thesis, presentations.

Further study

As a graduate of one of the Level 7 programmes you are eligible to apply to join the BEng (Hons) in Software Engineering or BSc (Hons) in Network Management and Cloud Infrastructure or related programmes at other third-level institutions.

Career prospects

Graduates may gain employment in a variety of communications or software industries such as Intel, Amazon, Ericsson, Google, Microsoft, Dropbox, eBay/ Paypal, Yahoo!, Facebook, VMWare, SAP and McAfee, Vodafone, 3, Eir and various SME's.



For more information on our courses visit www.ait.ie/al701

Code - AL701

Level - 7

Duration - 3 years

Cut-off CAO points:

218

Course award:

Bachelor of Engineering

Department:

Dept of Electronics & Informatics

Minimum Entry Requirements:

Grade O6 at ordinary level in 5 subjects in the Leaving Certificate exam. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have **one specified** Mathematics module included in their award or alternatively have Leaving Certificate Mathematics.

Refer to the QQI/ FETAC Information listed under Student Resources on the CAO website for the list of accepted Mathematics modules for AL701.



Lecturer testimonial

"ICT Engineering provides an excellent chance to experience a number of different areas including network, electronics and software prior to selecting a particular degree in the ICT area"

Anthony Commins



Contact us

Marcus Rahilly

Head of Department of Electronics & Informatics, Athlone Institute of Technology,

Tel: +353 (0)90 6468155

Email: mrahilly@ait.ie

Cumarsáid Leictreonaic

Electronic Communications (Add-on)

"The growth in communications systems is continuing exponentially, this programme will provide the learner with a good fundamental knowledge of key communications technologies" *Anthony Commins, lecturer in Dept of Electronics & Informatics*

Why take this course?

This course covers a range of topics in the mobile and wireless communications fields. How we generate and consume information has moved more and more to the wireless space. This drives demand for ever faster wireless networks. The Internet of Things will be a significant consumer of network capacity. The increased bandwidth requirement will require a cohort of skilled graduates to fill roles in this area. The design and deployment of 5G networks will provide significant opportunities.

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. Lecturers have extensive industry experience which enriches their teaching skills and competencies.

What do I do in the common first year?

- Building and testing electronic circuits based on the Arduino microcontroller,
- Configuring small networks based on Cisco CCENT,
- How a computer works inside the box, based on CompTIA A+,
- Introduction to Java programming,
- Complete an electronic project,
- Computer Applications (Microsoft Office User System),
- Mathematics.

Year 2 and 3 extend your knowledge and application of computer and communications engineering, you will complete a predefined project in year 2 and have the opportunity to develop your understanding in a particular area of interest in Year 3 with your own project. The project could be in an area such as Internet of Things / connected devices or the wider electronics and communications area.

Assessment Information

A range of assessment methods are used on this programme. A high % of the overall programme assessment is by way of continuous assessment and project work undertaken by the students, this more closely mimics the work environment. The type of continuous assessment used will vary by module, it can comprise lab reports, skills exams, multiple choice exams, coding design, business plan or project progress reports, project thesis, presentations.

Final exams which place at the end of the semester. Further details will be included in the course manual students receive at the start of the year.

Accreditation

Graduates of this programme are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. This qualification is recognised under the Sydney Accord, by more than 40 countries worldwide, including the EU, the US, Australia and Canada.

What will I study?

Year 1

ICT Engineering Common year 1

Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop, Communications, Computer Applications.

What will I study?

Year 2

ICT Engineering Common year 2

Electronics, Wireless LAN's, Mathematics, Software Development, Engineering Economics, Communication Systems, Digital Electronics, Business Environment and Systems, Project.

What will I study?

Year 3

Mobile Networks, Digital Signal Processing, Mobile Computing, Digital Modulation, Mathematics, Data Communications and Networks, Business Environment and Systems, Radio Communications, Enterprise WLAN, Project.

Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Network Management and Cloud Infrastructure at AIT or related programmes at other third-level institutions.

Career prospects

Students graduating from this course will be in a position to take up careers as communications engineers in a range of industries. Possible employers include: Google, Microsoft, Vodafone, 3, Eir, Intel, Yahoo!, Amazon, VMWare and Ericsson.



Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Network Management and Cloud Infrastructure (Level 8).

Add-on course

Level - 7

Duration - 1 year

Course award:

Bachelor of Engineering

Department:

Dept of Electronics & Informatics

Minimum Entry

Requirements:

CAO Applicants apply using code AL701 ICT Engineering. This is the common entry route to this course.

Applicants with previous qualifications or experience in this area may apply for advanced admission to year 2 or 3 of the programme. Contact AIT Admissions.

Student testimonial

"Software, Hardware and Telecommunications represent a communion of concepts that are relevant to modern technology"
Shane J Moore Lewy, BEng Electronics and Wireless Communications student

Contact us

Marcus Rahilly
Head of Department of Electronics & Informatics,
Athlone Institute of Technology,
Tel: +353 (0)90 6468155
Email: mrahilly@ait.ie



For more information on our courses visit www.ait.ie/al701

Bainistiú Líonra

Network Management (Add-on)

“This programme is very applied in nature and provide the learner with the opportunity to take a number of network industry certified exams in addition to providing a good fundamental knowledge of key networking technologies”

Anthony Commins, lecturer in Dept of Electronics & Informatics

Why take this course?

Networked devices are all around us, from the traditional wired LAN, to wireless, to fibre, to cloud computing and the Internet of Things. All these devices require secure and reliable networks in order to function. The management of Networks is a core function of many organisations.

The student will acquire skills in the configuration and fault finding of network devices including servers, switches, routers and wireless access points and controllers. You will understand the nature of security threats and appropriate protection systems. You will also be introduced to the legal issues associated with data integrity on computer systems and the design and testing of engineering support systems. Project skills will be developed through projects completed in years 2 and 3.

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. Lecturers have extensive industry experience which enriches their teaching skills and competencies.

What do I do in the first year?

- Building and testing electronic circuits based on the Arduino microcontroller,
- Configuring small networks based on Cisco CCENT,
- How a computer works inside the box, based on CompTIA A+,
- Introduction to Java programming,
- Complete an electronic project,
- Computer Applications (Microsoft Office User System),
- Mathematics.

Year 2 and 3 extend your knowledge and application of network engineering, you will complete a predefined project in year 2 and have the opportunity to develop your understanding in a particular area of interest in Year 3 with your own project. The project could be in an area such as network management, network security or an Internet of Things application.

Assessment Information

A range of assessment methods are used on this programme. A high percentage of the overall programme assessment is by way of continuous assessment and project work undertaken by the students, this more closely mimics the work environment. The type of continuous assessment used will vary by module, it can comprise lab reports, skills exams, multiple choice exams, coding design, business plan or project progress reports, project thesis, presentations.

Final exams will take place at the end of the semester. Further details will be included in the course manual students receive at the start of the year.

Accreditation

Graduates of this programme are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. This qualification is recognised under the Sydney Accord, by more than 40 countries worldwide, including the EU, the US, Australia and Canada.

What will I study?

Year 1

ICT Engineering Common year 1

Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop, Communications, Computer Applications

What will I study?

Year 2

Computer Systems Administration, Engineering Economics, Mathematics, Wireless LAN's, Enterprise WLAN's, Project, Network Operating Systems, Networks and IT Infrastructure, Connected Devices

What will I study?

Year 3

Mobile Networks, Scripting, Quality and Project Management, Mathematics, Network Security, Network Management, Switched Networks, Project.

Career prospects

As a graduate of this course you can expect to find employment in a network support role in a range of industries.

Graduates may gain employment in Amazon, Ericsson, Intel, VMware and various SME's.



Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Network Management and Cloud Infrastructure (Level 8).

Add-on course

Level - 7

Duration - 1 year

Course award:

Bachelor of Science

Department:

Dept of Electronics & Informatics

Minimum Entry Requirements:

CAO Applicants please refer to AL 701 -ICT Engineering. This is the common entry route to this course.

Students who have completed one or two years of a similar course or have experience in computing or networking may apply for advanced entry to year 2 or year 3 as appropriate.

Lecturer testimonial

"The Network Management degree incorporates a number of industry certifications including CCNA, CCNA Security and CCNP Switch"

Anthony Commins

Contact us

Marcus Rahilly
Head of Department of
Electronics & Informatics,
Athlone Institute of Technology,
Tel: +353 (0)90 6468155
Email: mrahilly@ait.ie



For more information on our courses visit www.ait.ie/al701

Bainistiú Líonra agus Néalinfrastruchtúr

Network Management & Cloud Infrastructure (Add-on)

"Solving networking challenges, configuring cloud deployments, to resolving client-facing trouble-shooting - I feel my AIT degree gives me these skills"

Paul M. Heaney, Network Management & Cloud Infrastructure Graduate

Why take this course?

A comprehensive understanding of the deployment and management of network and cloud infrastructure is a key requirement for many organisations. There is significant growth in demand for graduates with the appropriate skills in these areas with recent reports referring to the shift to Cloud as "Climate Change" for IT. In addition, various industry reports identify a shortage of network professionals with relevant Network, Cloud and Software skills.

This honours degree includes modules which will assist students in taking additional assessments to gain VMware vSphere qualifications.

This programme will provide the student with skills in the design and test of medium-sized Scripting applications. The programme will also cover data modelling and database design; students will also assess data storage and retrieval for large data sets required for Big Data. The student will also cover network management and enhanced network topics such as SDN.

We have introduced a new module in Augmented User Interaction, this module will look at the emergence of interactive networks across a number of domains.

Students will also research, implement, document and present a final year project in a related area.

What will I experience?

AIT is a leader in software engineering education. The Institute has extensive connections with industry, established over many years. Furthermore, the Software Research Institute, located on campus, is a national recognized centre. Student tutors and mentors are on hand to provide extra support outside the lecture theatre. Programmes are delivered in the state-of-the-art Engineering and Informatics Building.

What will I study?

Database Design and Administration, The Engineer in Society, Enhanced Networks, Network Management, Cloud Infrastructure, Scripting, Augmented User Interaction, Project.

Accreditation

Graduates of this programme are deemed eligible by the Teaching Council to apply for a Postgraduate Diploma in Education programme at Irish universities, recognized to teach the subject Computer Studies.

Assessment information

A range of assessment methods are used on this programme. 75% of the overall programme assessment is by way of continuous assessment and project work undertaken by the students, this more closely mimics the work environment. The type of continuous assessment used will vary by module, it can comprise lab reports, coding design, business plan or project progress reports, project thesis and presentations.

There are 4 final exams which will take place at the end of the year.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (level 9) at AIT or appropriate postgraduate programmes at other third level institutions.

Career prospects

As a graduate of this course you can expect to find employment as a network designer or system administrator in a range of industries.

Graduates have gained employment in Amazon, Ericsson, Intel, CipherTechs, VMware, Athlone IT, Zurich Insurance and DPD Ireland.

A number of graduate have gone on to taught and research master's in cognate areas.





Further study

Graduates with Hons are eligible to apply to join the Master of Science in Software Engineering (level 9).



90%

of the data in the world today has been created in the last two years



For more information on our courses visit www.ait.ie/courses

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Science (Hons)

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Applicants should hold a Level 7 degree in Networking or a cognate area (Computing, Electronics, Telecommunications).



Lecturer testimonial

"This course seeks to reflect the rapidly-evolving practice in the domain of network management and cloud computing planning and management. Experts who fulfil this role are highly coveted"

Tom Bennett



Student testimonial

"AIT takes advantage of practical work with hands-on equipment, simulating the kind of work students will be taking part in after graduating"

ISSE Survey, Network Management and Cloud Infrastructure student



Contact us

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Head of Department of
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Athlone Institute of Technology,
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Leictreonaic agus Innealtóireacht Ríomhaireachta

Electronics and Computer Engineering

"Students who complete the Higher Certificate can progress to the award year of the BEng in Computer Engineering or the BEng in Electronic Communications"

Marcus Rahilly, Head of Department of Electronics & Informatics

Why take this course?

Electronics and computer engineers play a vital role in the research, design, development and installation of the resulting hardware and software. Amongst the areas where electronics and computer engineers are employed are the mobile phone industry, gaming, medical devices and integrated circuit manufacturing.

This certificate will provide you with the education and training necessary for a career in the electronics, computer and software industry. You will develop the necessary theoretical knowledge in areas that are crucial to electronics and computer engineering. You will develop skills in electronics design, microcontrollers, fault-finding and problem-solving.

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. Lecturers have extensive industry experience which enriches their teaching skills and competencies.

What do I do in first year?

- Building and testing electronic circuits based on the Arduino microcontroller,
- Configuring small networks based on Cisco CCENT
- How a computer works inside the box, based on CompTIA A+,
- Introduction to Java programming,
- Complete an electronic project,
- Computer Applications (Microsoft Office User System),
- Mathematics,
- Communication skills (learning to learn, team work, collaboration, presentation skills),
- Year 2 expands on the year 1 modules and incorporates a full year project.

What will I study?

Year 1

Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop, Communications, Computer Applications.

Year 2

Electronics, Wireless LAN's, Mathematics, Software Development, Engineering Economics, Communication Systems, Digital Electronics, Business Environment and Systems, Project.

Accreditation

As a graduate of the Higher Certificate in Engineering in Electronics and Computer Engineering, you are eligible to apply to Engineers Ireland to use the registered professional title of Engineering Technician.

Further study

Students who complete the higher certificate can transfer to year 3 of the BEng in Computer Engineering or the BEng in Electronic Communications.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



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Further study

Students who complete the higher certificate can transfer to year 3 of the BEng in Computer Engineering or the BEng in Electronic Communications.



40

this qualification is recognized under the Dublin Accord, by more than 40 countries worldwide, including among others the EU, the US, Australia and Canada



For more information on our courses visit www.ait.ie/al601

Code - AL601

Level - 6

Duration - 2 years

Cut-off CAO points:

228

Course award:

Higher Certificate in Engineering

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have one specified Mathematics module included in their award or alternatively have Leaving Certificate Mathematics.

Refer to the QQI/ FETAC Information listed under Student Resources on the CAO website for the list of accepted Mathematics modules for AL601.



Student testimonial

"The course material is relatable to real life situations which makes it easier to understand"

ISSE Survey, Electronics and Computer Engineering student



Contact us

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Innealtóireacht Ríomhaireachta

Computer Engineering

"This degree is essentially a passport to travel anywhere in the world and gain employment. Graduates of this course can find employment in a range of different environments that may involve computers, the Internet, software, telecommunications, broadcast media, etc"

Marcus Rahilly, Head of Department of Electronics & Informatics

Why take this course?

Computer engineers play a vital role in the research, design, development and installation of the hardware and software. Amongst the areas where computer engineers are employed are the mobile phone industry, gaming, medical devices, cloud technology, smart transport general technology support services, and energy management.

This degree will provide you with the education and training necessary for a career in the computer, software and electronics industry. You will develop the necessary theoretical knowledge in areas that are crucial to computer engineering and the skills in computer systems administration and problem-solving.

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. You can study for this degree through the common entry route ICT Engineering AL701. Lecturers have extensive industry experience which enriches their teaching skills and competencies. The programme is accredited by Engineers Ireland.

Professional accreditation

You are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.

Graduates of the BEng in Computer Engineering are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. The qualification is recognized under the Sydney Accord, by more than 40 countries worldwide, including among others the EU, the US, Australia and Canada.

What will I study?

Year 1

Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop, Communications, Computer Applications.

Year 2

Electronics, Wireless LAN's, Mathematics, Software Development, Engineering Economics, Communication Systems, Digital Electronics, Business Environment and Systems, Project.

Year 3

Software Development, Digital Signal Processing, Mobile Computing, Computer Systems Administration, Mathematics, Data Communications and Networks, Business Environment and Systems, Project.

Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (level 8) or BSc (Hons) in Network Management and Cloud Infrastructure at AIT or related programmes at other third level institutions.

Career prospects

Students graduating from this course will be in a position to take up careers as computer engineers in a range of industries. Possible employers include: Google, Microsoft, Dropbox, eBay/Paypal, Yahoo!, Facebook, Amazon, VMWare, SAP, Ericsson and McAfee.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



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Further Study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (level 8) or BSc (Hons) in Network Management and Cloud Infrastructure.

Code - AL704

Level - 7

Duration - 3 years

Cut-off CAO points:

206

Course award:

Bachelor of Engineering

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have one specified Mathematics module included in their award or alternatively have Leaving Certificate Mathematics.

Refer to the QQI/ FETAC Information listed under Student Resources on the CAO website for the list of accepted Mathematics modules for AL704.



Student testimonial

"The course website 'Moodle' is extremely helpful as it provides us with all of our different course subject's and notes"

Isse Survey, Computer Engineering student



Contact us

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For more information on our courses visit www.ait.ie/al704

Innealtóireacht Ríomhaireachta

Computer Engineering

"By studying this course you will explore a wide range of computer engineering applications and design and develop software, hardware and networking systems. This will assist graduates in a variety of fields in today's fast-changing marketplace" *Dr. Austin Hanley, Dean of Faculty of Engineering & Informatics*

Why take this course?

Computer engineers play a vital role in the research, design, development and installation of the hardware and software. Amongst the areas where computer engineers are employed are the mobile phone industry, gaming, medical devices, Cloud technology, smart transport general technology support services, and energy management.

This degree will provide you with the education and training necessary for a career in the computer, software and electronics industry. You will develop the necessary theoretical knowledge in areas that are crucial to computer engineering and the skills in computer systems administration and problem-solving.

What will I experience?

AIT's Faculty of Engineering and Informatics is housed in one of the most modern and well-equipped facilities of its kind in the country. Lecturers have extensive industry experience which enriches their teaching skills and competencies. The programme is accredited by Engineers Ireland.

Professional accreditation

You are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.

Graduates of the BEng in Computer Engineering are deemed to have reached the educational standard of Associate Engineer by Engineers Ireland. The qualification is recognized under the Washington Accord, by more than 40 countries worldwide, including among others, the EU, the US, Australia and Canada.

What will I study?

Software Development, Digital Signal Processing, Mobile Computing, Computer Systems Administration, Mathematics, Data Communications and Networks, Business Environment and Systems, Project.

Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (level 8) or BSc (Hons) in Network Management and Cloud Infrastructure (level 8) at AIT or related programmes at other third-level institutions.

Career prospects

Students graduating from this course will be in a position to take up careers as computer engineers in a range of industries. Possible employers include: Google, Microsoft, Dropbox, eBay/Paypal, Yahoo!, Facebook, Amazon, VMware, SAP, Ericsson and McAfee.





Further Study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Network Management and Cloud Infrastructure (Level 8).

Add-on Course

Level - 7

Duration - 1 year



Course award:
Bachelor of Engineering

Department:
Dept of Electronics & Informatics

Minimum entry requirements:
Applicants should hold a Higher Certificate in Electronics and Computer Engineering or an equivalent Level 6 qualification.

Bachelor of Engineering in Computer Engineering



Student testimonial
“Students are allowed to carry out practical learning to better understand a certain topic which encourages self-directed learning”
Isse Survey, Computer Engineering student



Contact us
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For more information on our courses visit www.ait.ie/courses

Forbairt Bogearrai

Software Development

(Mobile Apps and Connected Devices)

"Students will learn about the use and application of software, and also partake in practical classes where they will learn the practice of software development"

Marcus Rahilly, Head of Department of Electronics & Informatics

Why take this Course?

By 2020 there will be 50 billion connected devices. Known as the Internet of Things (IoT), everything that can benefit from a network connection will have one. In the IoT environment your phone will control your world. Late home from work, your phone will turn on the heating, check the fridge and choose a recipe based on those ingredients. It may tell you what additional ingredients you need and where you can find them. When you arrive home, your phone will automatically unlock your door, turn on the lights and suggest a route for that run you were planning.

Today the app economy in Europe employs 1.8 million people. It is estimated that 94.4 billion apps were downloaded globally last year. By 2018 connected device control will be an integral part of mobile app development.

The aim of this exciting new degree is to provide a multidisciplinary undergraduate education by developing specific expertise and comprehensive training in the key areas relevant to the emerging Internet of Things; software development/engineering, mobile application development and connected device programming. The goal is to produce qualified and well-rounded graduates capable of working in a range of IT positions such as Internet of Things mobile app developers, programmers, system integrators and system validators.

What will I experience?

AIT is a leader in software design education. The institute has extensive connections with industry, established over many years. Furthermore, the Software Research Institute, located on campus, is a nationally recognized communications and software research centre. Student tutors and mentors are on hand to provide extra support outside the lecture theatre. Programmes are delivered in the state-of-the-art Engineering and Informatics Building.

What will I study?

Year 1

Digital Media, Mathematics, Web Development, Computer Applications, Software Development, Networks, Mobile Apps and Connected Devices, Communications (Mobile Devices and Apps).

Year 2

Software Development For Connected Devices, Software Development, Connected Devices, Engineering Economics, Databases, Software Design and Test, Mathematics, Business Environment and Systems, Mobile Application Development.

Year 3

Software Development, Web Development, Software Development for Connected Devices, Operating Systems and Concurrency, Mobile Application Development, Software Build and Delivery, Mathematics, Teamwork, Network Management, Web Development & Security, Group Project.

Further Study

Graduates are eligible to apply to join the one-year add-on degree of Bachelor of Engineering (Hons) in Software Engineering (level 8) at AIT or related programmes at other higher education institutions.

Career Prospects

This programme provides excellent employment opportunities for graduates. Historically there has been a significant shortage of graduates in the ICT area. This shortage has been compounded by the increase in mobile App development since 2009. The shortage will only be exacerbated by the emergence of the Internet of Things in which there will be a three-fold increase to 50 billion devices connected to the internet by 2020.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



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Further study

Graduates are eligible to apply to join the one year add-on degree of Bachelor of Engineering (Hons) in Software Engineering (level 8).



50 BILLION

Demand for software developers is expected to soar in the coming years, as there is expected to be a three-fold increase to 50 billion devices connected to the Internet by 2020.



For more information on our courses visit www.ait.ie/al705

Code - AL705

Level - 7

Duration - 3 years

Cut-off CAO points:

204

Course award:

Bachelor of Science

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) or (5N0554) computational methods and problem solving included in their award or have Leaving Certificate mathematics.



Student testimonial

"The small groups and classes keep things personal. The lecturers show a great interest in the progression of their students and their academic achievements"

ISSE Survey, Software Development student



Contact us

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Innealtóireacht Bhogearraí

Software Engineering (Add-on)

"It is widely accepted that employers seeking Software Engineering graduates will primarily look for high level computing skills, and the ability to apply them in innovative ways to solve the problems facing their organisations"

Marcus Rahilly, Head of Department of Electronics & Informatics

Why take this course?

Athlone Institute of Technology has offered a variety of computing/software engineering courses since the early 1980s. The focus of the institute is to develop courses that meet the ongoing demand from industry for technical expertise within the region, nationally and internationally. The Institute has also facilitated students in developing their careers by providing a suite of high-quality qualifications ranging from Higher Certificates to doctorates. This Bachelor of Engineering (hons) in Software Engineering aims to facilitate the demand from industry and to meet the career needs of students from the region and beyond.

Software Engineering is a fast-growing industrial sector with diverse industries looking to fill an increasing number of positions nationally and internationally. In addition there is a serious shortfall in the number of good software graduates available to meet the needs of industry. The BEng in Software Engineering focuses on the practical skills required by industry now and prepares the student to adapt to the changing needs of industry.

What will I experience?

The careful balance of theory and practice within the course ensures graduates are fully prepared to enter the software industry and, in time, progress further in their career.

The major themes are:

1. The Software Engineering Process and Project Management.
2. Software Application Development with a particular emphasis on the Java programming language.
3. Networks and Distributed Software Applications.

What job opportunities might it lead to?

The course incorporates the design, specification, implementation and testing of software solutions.

Students graduating from this course will be in a position to take up careers as web/cloud developers, software designers, database programmers, software testers and administrators and technical salespersons.

It is expected that graduates from this course will find employment in a wide range of sectors including:

- Software Design Houses
- Financial institutions
- Local authorities/government departments.

What will I study?

Software Design, Databases, Networks, Security, The Engineer in Society, Software Design, Distributed Systems, Client-side Technologies, Agile Methodologies, Project.

Accreditation

Graduates of this programme are deemed eligible by the Teaching Council to apply for a Postgraduate Diploma in Education programme at Irish universities, recognized to teach the subject Computer Studies.

Assessment information

The course will be assessed using a variety of techniques including:

- Mini-projects,
- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- A large individual project.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (level 9) at AIT or appropriate postgraduate programmes at other third level institutions.

Career Prospects

As a graduate of this course you can expect to find employment as a software engineering designer, computer hardware designer, computer network manager, etc.



Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (level 9).



Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Engineering (Hons)

Department:

Dept of Electronics & Informatics

Minimum entry requirements:

Applicants should hold one of the following or an equivalent level 7 qualification: Bachelor of Engineering in Computer Engineering, Bachelor of Engineering in Electronics and Wireless Communications, Bachelor of Science in Network Management.

“

Student testimonial

“Interaction between students and lecturers is very good, and there is a lot of hands-on work compared to theory”

ISSE Survey, Software Engineering student



Contact Us

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For more information on our courses visit www.ait.ie/courses

Innealtóireacht Mheicniúil agus Polaiméirí

Mechanical & Polymer Engineering

"This course was designed after we collaborated with our many industry partners. In year three students have the opportunity to undertake a 8 month work placement either in Ireland or abroad"

Joe Lawless, Head of Department of Civil, Mechanical & Polymer Engineering & Trades

Why take this course?

The honours degree in mechanical and polymer engineering is offered in response to the demand for highly skilled graduates with training in mechanical engineering fundamentals, with an emphasis on specific technologies and methodologies associated with polymer engineering. Polymer engineering is a core skillset that many employers in the medical device/health care sector look for in graduates. The polymer/medical devices sector in Ireland is thriving and is recognized as one of the fastest developing in the world. In excess of 250 companies are currently developing and manufacturing a diverse range of medical devices and diagnostic products. The sector employs a highly skilled workforce – over 45% of employees in the medical device sector are qualified to graduate or postgraduate level.

What will I experience?

On this course you will;

- Apply core polymer engineering principles to the design and development of polymer products and medical device components.
- Have the opportunity to undertake an eight-month placement, commencing January of year 3. The placement will facilitate you in gaining an insight into industrial practices in your area of specialisation (for example product design, regulatory affairs, polymer processing).
- Undertake a final year project, designed to enhance your research and analytical abilities. The project will be organised in co-operation with industry. You will experience a 6-month work placement from January to June of the third year of your study programme. Your final year project is often follow-on work linked to the company where you fulfilled your placement.

What job opportunities might it lead to?

The polymer/medical technologies sector will become increasingly reliant over the next decade on the availability of specially trained and skilled personnel who understand the synthesis, properties and processing of polymer materials. Career opportunities for graduates in the sector's 250 companies are exceptionally strong, given that 18 of the world's top 25 medical device companies are located in Ireland, alongside a thriving indigenous base. Graduates can expect to find employment as Mechanical Engineers, Project Development Engineers, Manufacturing/Process Engineers, Senior Development Technologists and Quality Assurance Managers.

What will I study?

Year 1

Mathematics, Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications.

Year 2

Mathematics, Instrumentation, Mechanics, Energy Systems and Thermofluids, Polymer Properties, 3D Modelling and CAD, Control and Power Technology, Processes and Operations Management, Polymer Technology and Mould Design.

Year 3

Statistical Process Evaluation and Control, Mathematics, Control and Automation, Mechanical Systems Design, Quality and Project Management, Polymer Properties and Applications, Design of Experiments, Industrial Experience (Mechanical /Polymer Engineering).

Year 4

Final Year Project, Computer Aided Engineering Design and Analysis, Industrial Control, Electrical Power Systems and Machines, Advanced Polymer Systems, Lean and Six Sigma, Heat Transfer, Advanced Engineering Materials, Operations Management, Product Design, Polymer Engineering.

Work placement

The student is required to complete a 6-month work placement from January to June of the third year of the programme. The placement carries 30 credits and must fulfil prescribed criteria, to which the employer will agree in advance. Placements may be done in Ireland or abroad. Placements are readily available across the medical devices, pharmaceutical and broader advanced manufacturing sectors. Companies include for example, Boston Scientific, Medtronic, Harmac, Trend, Bausch & Lomb.

Further study

Students who successfully complete this programme will be equipped to progress to a taught level 9 programme or to commence postgraduate research at AIT or another institute.

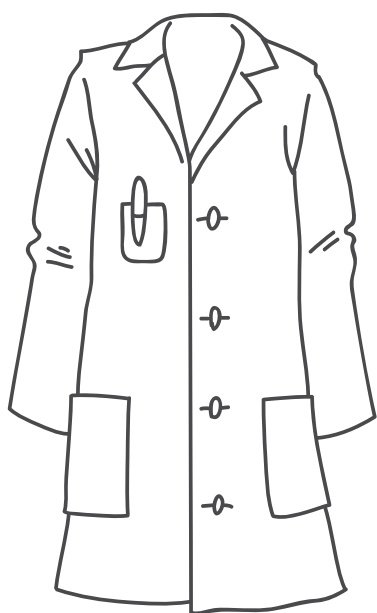
Career prospects

This degree programme is designed to equip graduates with skill sets that are relevant and essential to emerging industrial technologies. Graduates can expect to find employment as Mechanical Engineers, Manufacturing/Process Engineers, Project Development Engineers, Quality Assurance Managers.



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.



100%

Of graduates from this course are in employment within six months of graduating

Code - AL820

Level - 8

Duration - 4 years

Cut-off CAO points:

300

Course award:

Bachelor of Engineering

Department:

Dept of Mechanical & Polymer Engineering

Minimum entry requirements:

Grade H5 at higher level in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

QQI applicants to this programme must hold the following award: Engineering Technology (5M2061). They are also required to have the module mathematics (5N1833) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

“

Student testimonial

“High quality and enthusiastic lectures are willing to go the extra mile to help the students reach their goals”

ISSE Survey, Mechanical and Polymer Engineering student



Contact us

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Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al820

Innealtóireacht Mheicniúil

Mechanical Engineering

"As a graduate of the Higher Certificate in Engineering in Mechanical Engineering, you are eligible to apply to Engineers Ireland to use the registered professional title of Engineering Technician"

Joe Lawless, Head of Department of Civil, Mechanical & Polymer Engineering & Trades

Why take this course?

Mechanical Engineers have a broad range of skills and therefore are involved in a number of industries ranging from Medical Devices to Agriculture. Some examples of the role of a mechanical engineer are:

- designing and developing machines and products that improve our quality of life,
- developing and processing materials in order to produce these products,
- automating and controlling manufacturing systems to make the production of these products more cost-effective and efficient,
- and considering environmental issues to ensure that we are not harming our planet.

This programme provides students with an introduction to the fundamental principles of Mechanical Engineering. Through working with our experienced lecturing staff, who strive to create learning experiences that are based around experimentation and physical engagement with our world class engineering resources, you will begin to develop the attitudes, skills and knowledge required to fulfil the role of a mechanical engineer in industry.

What will I experience?

Whilst undertaking this programme you will;

- Visit local engineering companies to see what Mechanical Engineers do,
- Use cutting edge technology to understand the fundamental principles of mechanical engineering,
- Use SolidWorks, CNC machine tools and 3D printers to design and manufacture projects.

What job opportunities might it lead to?

With this qualification you will be eligible to apply to Engineers Ireland to use the internationally recognised registered professional title of Engineering Technician. As a qualified Engineering Technician you can expect to find employment in a number of areas of the manufacturing industry, for example; production, technical supervision, plant maintenance, quality assurance and production planning.

What will I study?

Year 1

Mathematics, Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design.

Year 2

Project, Statistical Process Evaluation and Control, Control and Automation, Mechanical Systems Design, Energy Systems and Thermofluids, Quality and Project Management, Mathematics, Systems Design and Vibrations, Manufacturing Systems and Organisation Management.

Further study

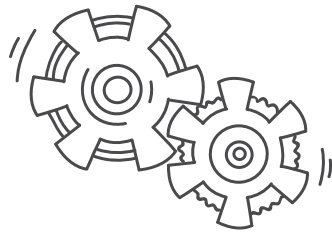
Students who successfully complete this programme will be equipped to progress to the level 7 Bachelor of Engineering in Mechanical Engineering.

Career prospects

This programme is designed to equip graduates with skill sets that are relevant and essential to emerging industrial technologies. Graduates can expect to find employment as Mechanical Engineers, Manufacturing/ Process Engineers, Project Development Engineers or Quality Assurance Managers.

Professional accreditation

As a graduate of the Higher Certificate in Engineering in Mechanical Engineering, you are eligible to apply to Engineers Ireland to use the registered professional title of Engineering Technician.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



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Further study

Students who successfully complete this programme will be equipped to progress to the level 7 Bachelor of Engineering in Mechanical Engineering.

Code - AL602

Level - 6

Duration - 2 years

Cut-off CAO points:

212

Course award:

Higher Certificate in Engineering

Department:

Dept of Mechanical & Polymer Engineering

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.

Student testimonial

"I may only be in first year, but I have realised that I'm receiving the tools both mathematically and practically to prepare for future employment"
ISSE Survey, Mechanical Engineering student

Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.
Athlone Institute of Technology.

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Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al602



Our Engineering building boasts high-end facilities and equipment.



Lecturer profile

Name: Dr. Niall Burke

Area: Mechanical Engineering



"Dr. Niall Burke is a lecturer in the mechanical engineering department of AIT since 2008, where his areas of specialization are: sustainable energy systems, thermodynamics and heat transfer. Niall graduated from the Hanzehogeschool in Groningen, Holland with an honours degree in international power generation, and subsequently received his doctorate in engineering at GMIT, evaluating the performance of ground and air source heat pump systems operating under the Irish maritime climate.

His research and publications to date have focused primarily on the utilisation and integration of climate appropriate sustainable energy technologies. Outside of academia, Niall has accumulated industrial experience, in the installation of solar thermal systems and small-scale wind turbines, along with energy consultancy on heating system design for the built environment, horticulture and aquaculture. Niall has built up further industrial experience working for both national and global organizations".



Innealtóireacht Mheicniúil

Mechanical Engineering

“This programme provides students with a detailed understanding of the fundamental principles of Mechanical Engineering. Students will develop their attitudes, skills and knowledge working along side experienced lecturers”

Why take this course?

Mechanical engineering is about putting ideas into action. It is about inventing, designing, developing, manufacturing and maintaining products, equipment and machinery of all kinds. Mechanical engineers use their knowledge of materials, mechanisms, power, energy and manufacturing technology to produce specifications for their designs and to see those designs become a reality.

This programme provides students with a detailed understanding of the fundamental principles of Mechanical Engineering. Students will develop their attitudes, skills and knowledge working along side experienced lecturers. The course of study utilises our strong industrial link; whereby our students get to experience the industry that they will be working in, through industrial visits and teaching and learning that is grounded in contemporary industrial best practice.

What will I experience?

While studying on this programme student will:

- visit some of our industrial partners to experience the role of a mechanical engineer,
- complete a detailed engineering project working as a member of a team,
- operate high-end technical engineering equipment in our cutting edge engineering laboratories.

What job opportunities might it lead to?

When you graduate with an ordinary level mechanical engineering degree, you may expect to find employment in product and process design, manufacturing, medical device engineering, facilities engineering, maintenance engineering and energy systems.

What will I study?

Year 1

Mathematics, Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications.

Year 2

Mathematics, Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design.

Year 3

Mathematics, InProject, Statistical Process Evaluation and Control, Control and Automation, Mechanical Systems Design, Energy Systems & Thermofluids, Quality and Project Management, Mathematics, Systems Design and Vibrations, Manufacturing Systems and Organisation Management.





Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.

Code - AL710

Level - 7

Duration - 3 years

Cut-off CAO points:

206

Course award:

Bachelor of Engineering

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.

Graduates of the BEng in Mechanical Engineering are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.

Student testimonial

"The institution provides an information site called 'Moodle' and also an e-library which is helpful with course work, and is essential when coming close to our exams"
ISSE Survey, Mechanical Engineering student

Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.

Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al710

Innealtóireacht Mheicniúil & Fuinneamh In-athnuaite

Mechanical Engineering and Renewable Energy

"This degree is aimed at students who are creative and enjoy the practical element of engineering, problem solving and design and optimize advanced machines" *Joe Lawless, Head of Department of Polymer, Mechanical, Civil Engineering & Trades*

Why take this course?

The Faculty of Engineering at AIT has a long tradition in delivering mechanical engineering courses that meet the ever-changing needs of modern industry. Our close relationship with industry ensures that our programmes have a very practical and applied focus that will give you hands-on experience of the areas that is most relevant to today's industries. AIT's state-of-the-art Engineering and Informatics building is recognized internationally as housing a wide array of the latest equipment and technologies used in industry.

The Bachelor of Engineering in Mechanical Engineering and Renewable Energy was born out of our close ties with industry, where a requirement for engineering graduates with both core mechanical engineering skills and competencies coupled with knowledge and practical skills in the area of renewable energy emerged. The Faculty of Engineering developed this unique programme to satisfy this new industrial necessity. The course is constantly reviewed by the faculty and industry to ensure its relevance, and the programme is fully accredited at Associate level by Engineers Ireland, ensuring that you as a graduate can be confident the skills and knowledge you gain will be internationally recognised.

What will I experience?

- Engineering education at AIT is very practical. Almost 50% of your time will be spent in state-of-the-art laboratories developing your practical engineering skills, and the other 50% will be spent on engineering theory and its application,
- You will develop your problem solving skills and reasoning techniques,
- You will work on topic specific problems both as part of a team and as an individual, and develop your lifelong learning skills,
- You will develop your ability to effectively communicate within the engineering community and society at large,
- You will develop an ethical awareness with regard to the engineering profession and environment,
- You will learn about the environmental loading of a given process/plant and be committed to its reduction, either in terms of the product, the materials or the process,
- Upon completion of the programme you will have developed an ability to critically appraise mechanical engineering systems, to identify areas of potential improvement, to bring about corrective action and where applicable, to suggest and implement an alternative solution.

What job opportunities might it lead to?

As a graduate from this degree, you would be in a position to apply for a variety of careers including: associate engineer, energy management, utilities engineering/management, renewable energy technologist, production technologist, technical supervision, plant maintenance, quality assurance and production planning, or as a CAD operator.

You will also have attained the necessary skills and abilities to start your own business within the mechanical engineering and renewable energies domain.

What will I study?

Year 1

Mathematics, Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications.

Year 2

Mathematics, Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design.

Year 3

Project, Statistical Process Evaluation and Control, Solar Energy, Control and Power Technology, Energy Systems and Thermofluids, Quality and Project Management, Mathematics, Wind and Hydro Power, Systems Design and Vibrations, Combined Heat and Power, Energy and Sustainability.

Further study

As a holder of this qualification, you will possess the necessary practical and theoretical underpinning to enable progression to the BEng (Hons) in Mechanical Engineering (level 8) or the BEng (Hons) in Manufacturing Technology at AIT.

Professional accreditation

Graduates of the BEng in Mechanical Engineering and Renewable Energy are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.



Study abroad

Students will have the opportunity to study abroad. For more information on study abroad options, please contact the Head of the Department.



50%

If you enjoy a mix of practical and theory this could be the course for you, as 50% of your time will be spent in state-of-the-art laboratories, and the other 50% will be spent on engineering



Code - AL711

Level - 7

Duration - 3 years

Cut-off CAO points:

206

Course award:

Bachelor of Engineering

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.



Student testimonial

"This course allows students to carry out practical learning to better understand course material. It also encourages self-directed learning"
ISSE Survey, Mechanical Engineering & Renewable Energy student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.

Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al711

Comhiontráil ar an Innealtóireacht

Engineering, Mechanical (Common Year)

“The Common Engineering Entry Scheme is a one year programme for students interested in engineering as a career, but who may be unsure of which discipline to follow”

Why take this course?

This programme provides a common entry year 1 to the following level 7 programmes:

- BEng in Mechanical Engineering,
- BEng in Mechanical Engineering and Renewable Energy,
- BEng in Mechatronics.

It has been developed to give students sufficient time and experience to come to an informed choice as to which specific mechanical engineering programme they wish to follow.

This broad experience of some of the major areas in mechanical, renewable and mechatronics will better enable the students to carry on to Year 2, knowing they have an interest and aptitude for a particular field.

The Common Engineering Entry Scheme is a one year programme for students interested in engineering as a career, but who may be unsure of which discipline to follow. While in first year, the student will be exposed to a learning environment that will allow the student to make informed choices about the next stage of their learning. The options available, are dependent on the aptitudes, interests and career opportunities in the different fields. The first year student can talk to lecturers and other students to determine the best approach for him or her in their career. This gathering of information is very useful for students who know they want to do engineering but are not fully decided on what stream is best suited to them. Opportunities in engineering are varied and can entail careers in design, manufacturing, research and development in diverse sectors such as automotive, health care, IT or medical devices. Engineering graduates are working in Intel, Medtronic and Boston Scientific to name but a few.

What will I experience?

This is a common first year for the students, which will mean that the core engineering subjects will be taught with a large group of first years. This gives the student additional means to determine their best fit, as they will be able to talk to students in different courses with a shared syllabi. Some students who have a passion for robotics may feel that mechatronics is the course for them, while others may be feel that a mechanical engineering qualification will provide a strong foundation for an interesting and successful career, while others may feel that mechanical engineering and renewable energy is their passion.

Graduates of all three programmes will gain a core common set of skills in mechanical engineering while

each will be differentiated by distinct streams that target specific discipline areas.

Graduates of the BEng in Mechanical Engineering may be employed as technicians within for example the medical devices, pharmaceutical, ICT, automotive sectors or precision engineering sectors.

Mechatronics graduates receive a more specific training in electronics automation and mechanical engineering that qualified them to work as technicians in advanced manufacturing environments, configuring and maintaining production lines or automated mechanical processes. They work across sectors that have high levels of automation.

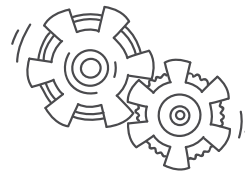
The graduates of Mechanical & Renewable energy will be employable as mechanical engineers as well as have a specific training in renewable energy technologies, giving them the possibility to work on energy efficiency projects for enterprises or with companies developing renewable energy systems.

What will I study?

Mathematics 1, Engineering Science, Mechanics, Materials and Processing, Eng Workshop, Drawing and Cad 1, Communications and Comp Apps.

Professional accreditation

Graduates of the programmes that lead on from this common entry are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.



Open Days

Fri 20th & Sat 21st October

Course Interactive

Open Day

21st April 2018



Book online

NOW

www.ait.ie/openday



Further Study

This programme provides a common entry year 1 to 3 different level 7 Engineering programmes.

This programme provides an entry opportunity to the following careers

**MECHANICAL
ENGINEERING**

**MECHANICAL
ENGINEERING
AND RENEWABLE
ENERGY**

MECHATRONICS

Code - AL713

Level - 7

Duration - 3 years

Cut-off CAO points:

244

Course award:

Bachelor of Engineering

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.

Student testimonial

"Students are encouraged to apply all newly learned information to their daily lives by actively engaging the world from an engineers viewpoint"
ISSE Survey, Mechanical Engineering student

Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.
Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al713

Mechanical Engineering (Add-on)

"This course uniquely provides the student with the option of specialising in one of the following core areas as part of their studies: Polymer Engineering, Manufacturing/Automation, and Energy Management"

Why take this course?

A Mechanical Engineer has a working knowledge of computer applications, electricity, structures, mathematics, physics, computer aided design and drafting and materials science. For this reason, a degree in Mechanical Engineering can be used to gain well paid employment anywhere in the world that an engineer is needed. This programme is a one year add on, open to level 7 graduates in Mechanical Engineering disciplines. It uniquely provides the student with the option of specialising in one of the following core areas as part of their studies: Polymer Engineering, Manufacturing/Automation, and Energy Management.

In addition, the programme offers the student a year long industrial project based in a company which gives the student valuable work experience. These industrial links are further enhanced by experienced lecturing staff combined with industrial visits and industrially based case studies. Mechanical Engineering is a rewarding career in which graduates can and do make a difference to society by applying their skills and knowledge.

What will I experience?

On this course you can:

- Gain valuable work experience by completing an industry based project,
- Choose to specialise in one of the following areas - Polymer Engineering, Manufacturing/ Automation, Energy Management,
- Have access to advanced laboratory equipment and teaching aids,
- Improve your teamwork and communications skills by working as part of small teams on problem solving and projects.

What job opportunities might it lead to?

Your specific and specialist knowledge and skills will lead to proven career opportunities in such areas as:

- Mechanical Engineering,
- Facilities Design and Management,
- Manufacturing Process and Product Design,
- Manufacturing/Automation,
- Design and Manufacturing of Plastics,
- Energy Management,
- Project Management.

In recent years, all of the graduates of this programme have obtained employment within 6 months of graduating, in a variety of companies both in Ireland and globally.

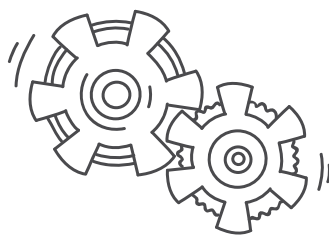
What will I study?

Final Year Project, Computer Aided Engineering Design and Analysis, Electrical Power Systems and Machines,

System Dynamics and Vibrations, Advanced Engineering Materials, Heat Transfer, Industrial Control, Applied Thermofluids, Operations Management. Electives: Lean and Six Sigma, Integrated Energy Systems, Polymer Processing and Mould Design, Energy and Environmental Management, Materials for the Polymer Industry, Manufacturing Automation.

Work placement

The student will undertake an industrial-based project for one day per week.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



Book online

NOW

www.ait.ie/openday



Work Placement

Students will have the opportunity to experience work in the industry with a period of work placement.



Add-on Course

Level - 8

Duration - 1 year

Course award:

Bachelor of Engineering (Hons)

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Entry to the programme is restricted to holders of an appropriate level 7 degree awarded at Merit 2 or equivalent. Bachelor of Engineering in Mechanical Engineering and Renewable Energy or the Bachelor of Engineering in Mechanical Engineering or a degree in any relevant engineering discipline or an equivalent level 7.



Student testimonial

"I found the lecturers were always there to assist and help whenever you needed them. They simplified problems to make college as easy going as possible"

ISSE Survey, Mechanical Engineering student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.

Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/courses

Meicitreonaic

Mechatronics

"Graduates of this course have found employment in the manufacturing sector generally, across a broad range of industries, such as the medical device, electronics, agricultural and pharmaceutical sectors"

Why take this course?

Mechatronics is widely held to mean a combination of the traditional mechanical and electronics fields with software and computer technology. In simple terms, it can be considered to be automation in the manufacturing environment. Mechatronics engineers with these skills are now in high demand in the manufacturing sector, with many large companies struggling to fill all of their required positions due to a shortage of skilled graduates. If you are a motivated person with a creative mind, and are interested in engineering and how things work, then Mechatronics could be for you. AIT, with its recently constructed 38 million euro engineering building, is ideally placed to take you to the next level.

What will I experience?

On this course you will:

- Explore the relationships between Mechanical, Electronic and Software engineering as applied to modern 'smart' machines, and commonly used in the manufacturing industry,
- Work in bright, modern laboratories with the very latest in Mechatronics technology and software,
- Complete a Mechatronics final year project, working with a group of your peers, to design and construct a working Mechatronics system, such as a robotic automated work cell, or a web-controlled 'smart' house.

What job opportunities might it lead to?

Your specialised knowledge of Mechatronics can lead to direct employment in the manufacturing industry or further advancement of your education to an honours degree at AIT or other institutions.

Graduates have found employment in the manufacturing sector generally, across a broad range of industries, such as the medical device, electronics, agricultural and pharmaceutical sectors. Typical jobs include process/machine maintenance, process development, fault-finding, as well as working in multi-disciplinary teams in a modern manufacturing environment.

What will I study?

Year 1

Mathematics, Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications.

Year 2

Mathematics, Instrumentation, Mechanics, Electronics Technology, Engineering Economics, Computer Aided Design, Control and Power Technology, Electrical Technology, Mechatronics Practice, Computer Technology.

Year 3

Project, Statistical Process Evaluation and Control, Control and Automation, Mechanical Systems Design, Computer Networks, Quality and Project Management, Mathematics, Mechatronics Systems, Human Machine Interfaces, Manufacturing Systems and Organisation Management.

Accreditation

As a graduate of the Bachelor of Engineering in Mechatronics, you are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.

Career prospects

Your specialised knowledge of Mechatronics can lead to direct employment in the manufacturing industry or further advancement of your education to an Honours degree at AIT or other institutions.

Graduates have found employment in the manufacturing sector generally, across a broad range of industries, such as the medical device, electronics, agricultural and pharmaceutical sectors. Typical jobs include process/machine maintenance, process development, fault-finding, as well as working in multi-disciplinary teams in a modern manufacturing environment.

Further study

One year of further study at AIT can lead to an honours degree in Manufacturing Technology, which will allow employment as a graduate Engineer.



Further study

One year of further study at AIT can lead to an honours degree in Manufacturing Technology.

Code - AL712

Level - 7

Duration - 3 years

Cut-off CAO points:

252

Course award:

Bachelor of Engineering

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Grade O6 at ordinary level in five subjects in the Leaving Certificate examination. Two of these subjects must be mathematics and a language (English or Irish).

QQI:

Any QQI level 5 qualification is acceptable. Applicants to this programme are required, however, to have the module mathematics (5N1833) included in their award or have Leaving Certificate mathematics.

Student testimonial



"The activities and events run by the college during the academic year is a fun way of learning the course content"

ISSE Survey, Mechatronics student



Contact us

Joe Lawless

Head of Department of Civil, Mechanical & Polymer Engineering & Trades.

Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/al712

Teicneolaíocht Déantúsaíochta

Manufacturing Technology (Add-on)

"This course is designed to target students who want to learn more about manufacturing, materials and research techniques, in order to drive innovation and new product development" *Dr. Austin Hanley, Dean of Engineering & Informatics*

Why take this course?

The BEng (Hons) in Manufacturing Technology has been developed in close consultation with industry, in order to identify the core requirements for engineering graduates. The main aim is to produce graduates with skills in manufacturing automation, electro-technology, manufacturing with polymers and management skills to support process optimization, control and management of processes, machines and systems.

The course incorporates an industrial based project which is relevant to industry needs in providing solutions to engineering problems, regulatory and management needs. An industrial placement (one day per week) further enhances the student experience in participating in an engineering team within a broad range of manufacturing industries.

The course is constantly reviewed by the faculty and industry to ensure its relevance, and to ensure that you as a graduate can be confident in the skills and knowledge that you gain.

What will I experience?

- You will work in state-of-the-art laboratories developing your practical engineering skills,
- You will complete a project in industry, supervised by both industrial and college supervisors,
- You will complete an industrial placement, participating both individually and in engineering teams and develop your lifelong learning skills,
- You will develop your problem solving skills and reasoning techniques,
- You will develop your ability to effectively communicate within the engineering community and society at large,
- You will develop an ethical awareness with regard to the engineering profession and environment,
- Upon completion of the programme you will have developed an ability to critically appraise manufacturing technologies and systems, to identify areas of potential improvement, to bring about corrective action and, where applicable, to suggest and implement alternative solutions.

What job opportunities might it lead to?

With a BEng (Hons) in Manufacturing Technology, you will have career choices for positions such as:

- Manufacturing engineering,
- Process engineering,
- Quality engineering.

With progression you may advance into management fields such as:

- Production manager,
- Operations manager,
- Project manager.

Your industrial choices, both in Ireland and abroad, include:

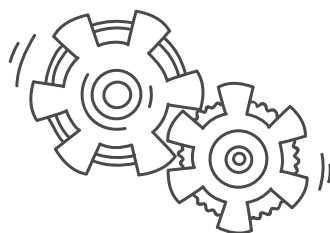
- Automotive: design and manufacture of cars and associated components used in the automotive industry,
- Bio-medical and pharmaceutical: design and manufacture of medical devices, pharmaceutical products and packaging,
- Manufacturing: design and manufacture of machinery, consumer goods, electrical/electronic products.

What will I study?

Final Year Project, Computer Aided Engineering Design and Analysis, Lean and Six Sigma, Manufacturing Automation, Electrical Power Systems and Machines, Polymer Processing and Mould Design, Materials for the Polymer Industry, Industrial Control, Operations Management, Industrial Placement.

Work placement

The student will undertake an industrial-based project for one day per week.



Open Days

Fri 20th & Sat 21st October

Course Interactive Open Day

21st April 2018



Book online

NOW

www.ait.ie/openday



Work placement

Students will have the opportunity to experience work in the industry with a period of work placement.

Add-on course

Level - 8

Duration - 1 year

Course award:

Bachelor of Engineering (Hons)

Department:

Dept of Mechanical/Polymer Engineering

Minimum entry requirements:

Bachelor of Engineering in Mechatronics or Mechanical Engineering or an equivalent level 7 qualification.

Student testimonial

“The Maths tutor is a great academic support available to all students. All staff members were approachable throughout the duration of the course”

ISSE Survey, Manufacturing Technology student

Contact us

Joe Lawless


Head of Department of Civil, Mechanical & Polymer Engineering & Trades.
Athlone Institute of Technology,

Tel: +353 (0)90 6461824

Email: jlawless@ait.ie



For more information on our courses visit www.ait.ie/courses



The Foundation Certificate provides an ideal base if you wish to return to study after a break in your educational experience and if you have not benefited fully from, or had access to, previous educational opportunities.



Cláir Rochtana agus Bonnchúrsa

Access & Foundation Programmes

Contact

Theresa Ryan

Access Officer

Tel: + 353 (0)90 646 8123

Email: access@ait.ie

Mary Simpson

Director of International Relations

Tel: + 353 (0)90 646 8273

Email: international@ait.ie

Cláir Rochtana

Access

Access Course

If you're an adult learner and wish to embark on a career in social care, engineering, hospitality, business, science or information technology – this is the course for you.

The Access Certificate provides an ideal base if you wish to return to study after a break in your educational experience and if you have not benefited fully from, or had access to, previous educational opportunities.

Progression

Successful completion of this programme allows you to apply for entry to higher certificate programmes at AIT. You may also be eligible to apply for entry onto the first year of a suitable ordinary degree programme.

What will I study?

Communications and Study Skills, Mathematics, Information Technology, Educational Guidance, Business Studies and Finance, Social Studies, Science, Engineering.

Further information/application, contact the Access Office

Tel: + 353 (0)90 646 8123

Email: access@ait.ie

NFQ Level:

Special Purpose Award
at level 6

Duration:

1 Year

Application to:

Access Office AIT

Min. Entry Requirements:

Mature applicants, aged 22 years or over on 1 January on year of commencement are eligible to apply. Candidates aged 21 years are required to have Grade O6 at ordinary level in five subjects in the Leaving Certificate examination, including Mathematics and a language (English or Irish), or a full FETAC Level 5 award. The selection procedure involves an interview.

Cláir Rochtana agus Bonnchúrsa

Access & Foundation

Certificate in Academic Studies (International)

This programme provides an effective foundation course for international (non-EU) students who wish to pursue undergraduate studies at AIT. Its principal aim is to equip you with the necessary confidence, and English language competence, to continue your education in science, business, hospitality or technology-related areas.

This programme aims to provide you with:

- an understanding of English usage, computing, basic technology, engineering and business.
- the opportunity of gaining entry to one of AIT's range of Engineering, Science, Humanities or Business courses at higher certificate or ordinary degree level for the following academic year (on successful completion of all elements of the course, including examinations).

The course has been designed to:

- provide you with an introduction to the technical modules of computing, engineering, science, communications and business studies
- prepare you, both academically and practically, for entry into full-time higher education programmes
- develop your ability to communicate effectively in a wide range of business settings and enhance your oral, aural, reading and writing skills in the areas relevant to international trade and commerce
- familiarise you with basics of English language usage, both verbal and written, so that you can progress with ease from a strong foundation.

Progression

Successful completion of this programme allows you to apply for entry to higher certificate programmes at AIT. You may also be eligible to apply for entry onto the first year of a suitable ordinary-level degree programme at the institute.

What will I study?

English for General Studies, English for Academic Studies, Developing Academic Practice, Mathematics, Introduction to Business, Introduction to Engineering, Introduction to Science.

Fee

A fee is payable by each student undertaking this course. Details of fees are available from the institute.

Further information/application

International Office

Tel: + 353 (0)90 646 8273

Email: international@ait.ie

NFQ Level:

Special Purpose Award
at level 6

Duration:

1 Year

Application to:

International Office AIT

Min. Entry

Requirements:

Entry to the course is based on successful completion of second-level education (equivalent of Leaving Certificate/A-Level examination). The selection procedure will involve completion of an English test.

Please note that no prior knowledge of the course subjects is required. Applicants from non-EU countries must hold a valid visa for the duration of the course

Applying to Athlone Institute of Technology & student support network





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Discover our support network



“

I found the service excellent. It was so helpful to see the same topic delivery in a different way; the numbers in class were small so we could work at our own pace. I was calm and prepared for the exam.

I also got a good grade which I was very pleased with.

Roisin, 2nd year Health Science and Nutrition

”

Shaping your Future

Student support, development and success underpin our approach, and our reputation for caring for the individual student is well-known.

The AIT Student Resource Centre provides an extensive range of supports and learning resources for AIT students. We are centrally involved in the pastoral care aspects of student life, provide further study and careers advice and support, medical and counselling care, and supports for students accessing education from across a diverse spectrum.

Your Student Resource Centre

We have developed a wide range of supports in response to student needs and are continually looking at ways to help our students and contribute towards their success. Our friendly and approachable team are highly qualified and are looking forward to welcoming you as part of our community.

Your 1st year

You are not just another face in the crowd at AIT, we go out of our way to welcome and support our new students and we like to get to know you by name rather than by number.

Our New Student Induction programme has been developed with your needs in mind including making sure you know your way around, helping you find your feet and facilitating you getting to know fellow students and staff. Coming to college can be overwhelming so we have developed a range of supports to help you throughout your first year during your transition to college life.

AIT Connect

Following New Student Induction at the start of term, a comprehensive 7 week programme of activities is offered to first year students to help you in your transition into third level.

AIT Connect integrates professional services, Students' Union and academic home department activities to help you find your feet, meet new friends and settle in to college life.

Peer assisted student support (PASS)

The Peer Assisted Study Support (PASS) programme is a series of peer-led study support sessions for first year students, led by trained student PASS leaders. Student leaders are recruited from older years and trained to facilitate study sessions that help first years navigate their way through their course of study.

These sessions offer participants an opportunity to learn from, ask questions of and gain valuable advice from peers who are familiar with the challenges they are facing. PASS leaders themselves

also benefit hugely from the training and experience gleaned during their participation in this programme. PASS is currently offered on 26 first year programmes across the Institute.

Careers office

We believe in helping you build your personal brand through how you present yourself in your CV, on application forms, at interview and in social media. We are in the business of helping students put their best foot forward and look forward to getting to know you during your time in AIT.

The careers office provides a vital link to industry with daily updated job opportunities for graduates, employer presentations and an Annual Career and Post Graduate Study Fair. Students are also offered ample opportunity to finetune their job hunting skills with careers bootcamps, Linked-In workshops, in-class presentations and one-to-one career and further study guidance for students.

Your learning supports

Tutor support

AIT continually invests in the academic success, progression and retention of our students by employing highly qualified tutors to coach and support students through their studies on a no-cost basis. Support is provided to all undergraduate students in maths, programming, software engineering, accounting, finance, marketing, management, economics, chemistry, physics, microbiology, biochemistry, ecotoxicology, analytical toxicology, quality control & experimental design.

Academic writing centre

Students can avail of one-to-one and group academic writing workshops to help build their writing skills. The centre is geared towards students of all writing ability. We aim to build students' confidence and competence in their writing ability and writing skills.

Timely study skills seminars are provided throughout the year for all students.

Disability and learning support service

AIT is committed to ensuring that all applicants are given access to learning and the relevant supports to help them complete their studies successfully. We have a team of highly qualified educational support staff who are on hand to provide one to one support and tuition to students with disabilities and or specific learning difficulties.

Disability & assistive technology

AIT takes great pride in leading the way in the sector with our Assistive Technology Centre for students with disabilities and or specific learning difficulties. Students are encouraged to engage with and use the assistive technology facilities as a way of encouraging independent learning. These technologies are also used for exams giving students greater autonomy.

- “ It was truly a learner centred experience and I felt my needs were quickly identified. My learning support helped me to construct methods that suited my style of learning and allowed me to set the pace. Despite the constant pressures of a demanding course I felt a tremendous weight lifted off my shoulders each and every time I met with my learning support. I felt minded ”
Eve, MA in Child and Youth Studies

Your Health

Healthy campus

Health promotion is the process of enabling people to increase control over, and to improve their health. The Healthy Campus initiative aims to support students to reach their full potential by providing non-judgemental and up-to-date information in order to help them make informed decisions.

Looking after your health is important in life and a key part of academic achievement and success. The Healthy Campus Initiative is a collaboration between the HSE and AIT and provides information, support and direction on all aspects of health. A number of programmes and workshops are offered throughout the year and are promoted through the Healthy Campus Office, Students' Union and social media. We work towards enabling people to engage in healthy habits and improve their overall health.

Student health service

The Student Health Service provides on-campus primary health care to students which allows students to have on site access to medical services without having to take too much time away from their studies to seek help elsewhere. Our service is integrated with health promotion, counselling and supportive measures to assist students in ways that help keep them engaged and committed to their studies. Students can avail of free nurse consultations and low-cost doctor consultations. Absolute confidentiality is maintained and health records are not shared with any third party nor do they form part of the academic record.

- “ When I arrived to AIT from France, I had just had an operation and needed daily nursing care. As well as providing this service to suit my timetable, the nurse helped me overcome my homesickness homesick and encouraged me to make friends ”
Morgane, Erasmus student

- “ The staff at the student health centre are friendly and welcoming. The walk in clinic means you can be seen promptly by the nurse for assessment when you are sick. There is no cost to see the nurse at AIT ”
Paul, 2nd year Sports Science

Counselling service

AIT Student Counselling Service offers a professional psychological counselling service free of charge to registered full time students of AIT. Counselling is provided by a team of professionally qualified counsellors/psychotherapists and a psychologist. We work in an integrated way with the Students' Union, Healthy Campus project and the Health Centre to promote mental health and student well being.

What is counselling?

Counselling provides a safe, supportive and confidential environment in which students can discuss any emotional or psychological difficulties they may be experiencing. The counsellor will use their training and expertise to help you clarify what issues are impacting on you and your life, and then facilitate exploration of how you can find better or different ways to live and different perspectives.

What issues do counsellors deal with?

The short answer is everything, really! We deal with a wide range of issues including depression, anxiety/panic attacks, mental health problems, bereavement and loss, interpersonal or relationship problems, family difficulties, self-esteem, sexual trauma/ rape /sexual abuse, academic issues, eating disorders and substance misuse. Whatever your issue, if you are in emotional distress we encourage you to seek help.

Confidentiality

The service is confidential and operates within the terms of confidentiality as laid down by the Irish Association of University and College Counsellors (IAUCC) Code of Ethics and Practice. This means that your personal details are not disclosed to anyone outside of the service without your expressed permission, except in exceptional circumstances regarding safety including suicidal intent, risk to a minor, and threats to lives of others.

Your Welfare

Your welfare and well being is very important to AIT. College life is exciting but it is not without challenges and our students consistently tell us they are treated with the utmost respect and care when they need it most.

Pastoral care service

The overall objective of the pastoral care service is to make life in AIT as meaningful and as enjoyable as possible and to create a spirit of cooperation and personal care. AIT is a diverse community which brings huge richness to the student experience and which is celebrated by students and staff alike. Students are invited to visit the pastoral care residence outside working hours and volunteers to assist with the running of the services are always welcome. An emergency service is provided in the event of sudden illness, family or personal problems. Mass is celebrated each weekday in the institute interdenominational space.

Access office

The work of the Access Office is centred around encouraging and supporting mature students and people from socioeconomic/educationally disadvantaged groups in progressing to third level in the form of pre-entry and post-entry activities. Pre-entry activities include an access course and a number of collaborative projects across the region. In terms of post-entry, this office administers the Student Assistance Fund which may provide financial assistance to qualifying students attending the institute.

“

“If you are feeling overwhelmed with workload, have any worries or personal issues, there are support services available at AIT, people who understand and who you can talk to”.

Gillian Reidy, Nursing student

”





'Helping AIT 1st years settle in and get off to a flying start'

Week 1 beginning Sept. 10th -

Get Started Week. Classes commence and so does your AIT Connect programme of activities which are geared towards helping you get off to a flying start at AIT. Most of your focus will be on figuring out your timetable, class locations and learning how to find your way around. Thursday 14th Sept. is Clubs & Socs Day where you can check out the 60+ clubs and societies on offer at AIT. You will also be timetabled for your all-important AIT Connect session this week.

Week 2 beginning Sept. 17th -

Get Connected Week. The theme of this week is helping students find friends and make connections both with each other and with their department. You can look forward to a fun line up of events as this is also Fresher's Week which is being hosted by your Students' Union and your faculty will be running a Team Building Event this week too. There will be something for everyone!

Week 3 beginning Sept. 24th -

Your Welfare & Check In Week. You will be hearing about all aspects of health and welfare this week. The Irish Heart Foundation will be on campus this week, there will be information about finance and grants, and there will be plenty of Students' Union and Healthy Campus activities going on. Students will also have the opportunity to check in with their academic department who want to hear how things are going and offer help as needed.

Week 4 beginning Oct. 1st -

Your Learning Support Week. You will hear more about the learning supports available in AIT with Tutors popping in to your class to meet you, and drop-in learning support clinics running this week and throughout your time in your first year.

Week 5 beginning Oct. 8th -

Get it Together Week. This is the week to focus on your time management, getting organised and settling into a routine of good study habits to help you get ready for end-of-semester exams or assessments along the way. Assistance is available from your learning support tutors and through Learning and Development for Higher Education/ Communications module.

Week 6 beginning Oct. 15th -

Mind Yourself week. We are big on wellness and mental well-being at AIT and this week we will be promoting awareness around mental health with counselling and Student Resource Centre drop in clinics.

Week 7 beginning Oct. 22nd -

Inspiration Week. You will have the opportunity to meet and hear from students at a more advanced stage of their studies who will share their real-life experience of college and of your course.



In 2015, AIT became the first third level institute in Ireland to ban tobacco products on its campus.

As part of our Healthy Campus initiative, AIT is delighted to have become the first third level institution in Ireland to completely ban tobacco products on its campus. This initiative was preceded by a campus-wide survey undertaken in 2014, which showed that two-thirds of the participants supported the move towards a tobacco free campus.

AIT is fully committed to support the drive to improve the health of the nation in line with the "Healthy Ireland framework". With such a positive move, we as a community are ahead of national targets for a tobacco-free environment in third level institutions by 2025. By adopting a tobacco-free campus policy we hope to make an impact on the lifelong health of students and staff who learn and work at AIT.

The tobacco-free campus initiative is consistent with an international drive to make health care institutions completely smoke free as there is a growing recognition that allowing smoking on health care campuses significantly undermines the health promotion message of such organizations.

According to outgoing AIT Students' Union president, Kevin Ronan: "The Tobacco-Free Campus provides a learning environment free of the dangers of secondhand smoke for our members". Adding that, "we look forward to continuing to work closely with the Student Health Centre and the Healthy Campus Officer to promote smoking cessation and education sessions associated with this great initiative, which is in line with our continued efforts in health promotion and education".

Students' Union

What we do

The Students' Union provides support, advice and information on a wide variety of issues and represents students throughout the institute. In particular, it provides advice on accommodation, welfare and educational matters. The overall policy and direction of the union is decided by the students at general meetings. The aims of the union are:

- to represent and protect the rights of students
- to afford a recognized means of communication between the students and institute authorities
- to provide social and recreational facilities for students
- to provide a commercial service to students.
- to provide a comprehensive accommodation service to students, including all the necessary information
- offers advice to students on all matters relevant to or affecting them.

The Students' Union maintains an accommodation list of quality checked houses, digs and apartments. Call in to the office, check the website – www.aitsu.ie, or phone +353 (0)90 6468067 with any questions you may have.

The Students' Union has won national awards for its work in the promotion of positive mental health on campus over the past year. Its campaign "Mind Your Mates" was selected as the Best Mental Health Campaign in Ireland by PleaseTalk.org in the National Student Achievement Awards.

When you come to AIT you will receive an induction by the Students' Union who will tell you all about the day-to-day life within AIT.

President – Donna Mulkerrins,
Deputy President for Education & Communications – Katie O' Riordan,
Vice President for Welfare & Accommodation – Oisín Moloughney.

Representation

Representation is the central function of the Students' Union. We have a long tradition of effective student representation, which is valued by both students and the institute's authorities. The Union represents students on many institute committees such as the Governing Body, Academic Council and various sub-committees.

The Students' Union is affiliated to the Union of Students in Ireland. Through USI, students gain national representation – a voice for students at national level in negotiations with a wide variety of other organizations.

Accommodation and welfare advice

The Welfare Officer is available in the Students' Union to give information, advice and referral on various matters, finances, benefits, personal counselling, legal advice and consumer advice. This is a confidential service.

We also provide accommodation lists which are available on request, or on the website at www.aitsu.ie. The SU has set up an accommodation approval system. Houses and apartments for rental must be of a certain standard to be registered as a 'student house'. This system ensures an improved service and that landlords are held responsible for the standard of their accommodation.

Education

The Union also provides a great mix of entertainment throughout the year. The entertainment service is an essential element of college/student life.

The schedule ranges from mid-week gigs to numerous other events. Rag Week is normally held towards the end of February to raise money for local charities (while having a great time!).

Services

The union provides many other services (some commercial) to students including:

- Binding
- Bus/train timetables
- Colour printing
- Fax service
- Lamination
- Post and message collection
- Photocopying
- Lockers
- Hoodies
- Passport photos

Entertainment

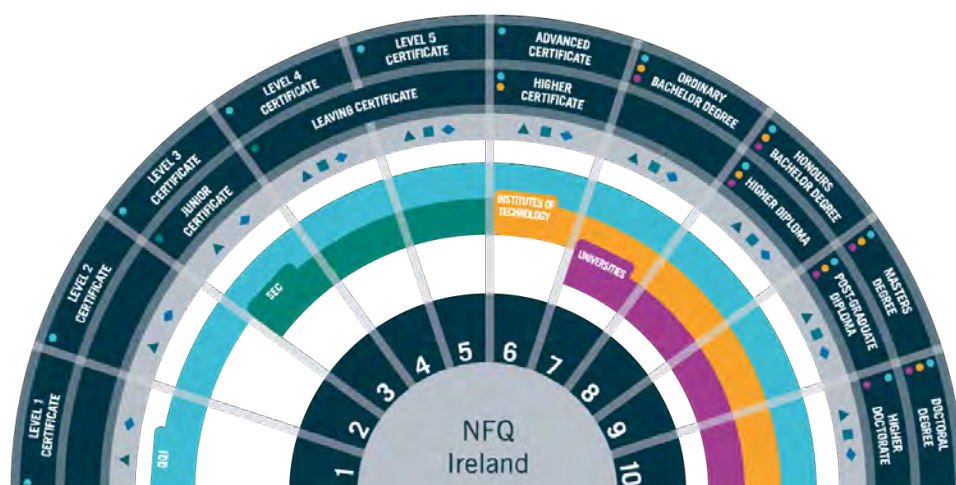
The Union also deals with academic matters such as course changes or queries students may have about grants or examinations. It also provides training for all members of the Class Rep Council.

Information/Contact details

For more information please call into our new state-of-the-art facility in the John Count McCormack building in the Institute. Alternatively you can email us on aitsu@ait.ie or call us on 090 646 8067.



About our Programmes...



National Framework of Qualifications

When you apply to AIT you will note that many of our programmes are available through two modes of delivery; The Ladder System or the Ab Initio route.

The Ladder System, also referred to as an Add-On, describes how you can progress from one qualification to a higher level award. For example, if you obtain a higher certificate (level 6), you may progress to an "Add-On" ordinary bachelor's degree (level 7) and subsequently to an Hons bachelor's degree (level 8). The levels refer to the standing of the award on the National Framework of Qualifications.

The Ladder System gives you considerable flexibility to take time out between qualifications to work, to move between one institution and another as you climb the ladder, and to choose between different specializations in your chosen area of study. Progression charts for specific courses within each school are provided throughout the prospectus.

The alternative path toward obtaining a qualification is known as *Ab Initio*. This is the Latin for 'From the beginning'. It describes programmes which allow you to progress directly to award stage. For example, if you undertake an *Ab Initio* (Hons) bachelor's degree, you receive that qualification on successful completion of the relevant 3- or 4-year programme. Many of the courses at the institute are offered under different learning modes. These include: full-time, part-time, ACCS, open learning and distance learning.

Award titles

A parallel system of referring to awards is in place: one refers to the level of the award, while the other is for its formal title. The former National Qualifications Authority of Ireland (NQAI), now Quality and Qualifications Ireland (QQI) established a framework (above) for the development,

recognition and award of qualifications based on standards of knowledge, skill or competence acquired by learners. The National Framework of Qualifications provides a level for every award made in its jurisdiction, which are as follows:

- Awarding bodies/course accreditation
- Modularization
- ACCS
- Industrial/clinical placements (Internships)
- Quality Assurance

CAO programmes

The CAO handbook provides full details on the application procedure. You should read the handbook carefully and follow the directions given. Neither AIT nor the CAO accepts responsibility for any mistakes made, or the consequences of such mistakes, if correct procedures are not followed.

For most applicants, the procedures outlined in the CAO handbook are sufficient to help ensure the completion of the application process. Further information is available online at www.cao.ie.

Application for year 1 of undergraduate programmes must be made to the: Central Applications Office, Tower House, Eglinton Street, Galway

Tel: 091 509 800

Fax: 091 562 344

Web: www.cao.ie

Dates of application – CAO programmes for entry in September 2018

Closing date: 1 February 2018

Late closing date: 1 May 2018

Change of mind date: 1 July 2018

Exceptional change of mind applicants:

Closing date 22 July 2018.

Deferred entry – CAO programmes

The institute will facilitate successful applicants who wish to postpone entry for a year.

The procedure is as follows:

1. Applicants should not accept the offer through the CAO;
2. Applicants wishing to defer their offer of a place at AIT should write directly to the institute's Admissions Office, or email www.admissions.ie seeking a deferral and setting out the reason for the request. The letter, or email, should arrive not later than two days before the reply date for the offer. The applicant must enclose Part C of the offer notice with the letter.

Notes:

- Deferred applicants for the Bachelor in Arts in Graphic Design and/or Animation & Illustration are not required to re-submit a portfolio of work.
- Deferred applicants (mature) for the BSc in Nursing in General Nursing and the BSc in Nursing in Psychiatric Nursing are not required to retake the written assessment.
- Any grant or scholarship offered in the current year may not be available in the year that studies are commenced if regulations governing the award of that grant or nscholarship change during the period of deferral.

Leaving Certificate points system

Points are calculated on the basis of the six best subject results in one sitting of the Leaving Certificate examination. See new Common Point Scale.

AIT will award a single standard 25 bonus points for all higher level maths grades H6 and above, irrespective of the grade achieved. There will be no bonus points awarded for grade H7 or H8. Applicants to the CAO will, as previously, count the score from their six best subjects. If higher level maths is not among these six subjects, the bonus points should not be included in the total point score.

Foundation level subject

Foundation level Irish at grade FL2 meets the minimum language requirement. No points are awarded.

Foundation level mathematics at minimum grade FL2 will be accepted as meeting the minimum mathematics requirements for entry to the following courses:

- AL764** Bachelor of Arts in Early Years Care and Education.
- AL765** Bachelor of Arts in Applied Social Studies in Social Care.
- AL860** Bachelor of Arts (Hons) in Social Care Practice.
- AL763** Bachelor of Arts in Graphic Design.
- AL861** Bachelor of Arts (Hons) in Animation & Illustration.

Scoring system for foundation level mathematics

Grade	Points
FL1	20
FL2	12

Leaving Certificate Vocational Programme (LCVP)

The LCVP subject will be considered as a passing subject provided the student achieves at least a pass grade. This will apply to entry for a honours degree (level 8), ordinary degree (level 7) and higher certificate (level 6) courses.

Leaving Certificate Applied Programme (LCAP)

LCAP subjects do not meet minimum entry requirements for admission to academic courses and are not considered as passing subjects. Holders of the LCAP may wish to pursue a QQI level 5 programme in order to meet eligibility for entry to third level courses at this institute.

New common point scale

In 2017, a new grade scheme was introduced for the Leaving Certificate. The new grade scheme, and how it aligns with the previous scheme, is set out below.

Higher level grade	Points	Ordinary level grade	Points
H1	100		
H2	88		
H3	77		
H4	66		
H5	56	O1	56
H6	46	O2	46
H7	37	O3	37
H8	0	O4	28
		O5	20
		O6	12
		O7	0
		O8	0

Maths Bonus Points

25 bonus points will be awarded for higher level mathematics for H6 grades and above. For example, if an applicant receives a H6 grade an additional 25 points will be added to the 46 points already awarded for a H6 grade i.e. higher level mathematics now carries a points score of 71 for this applicant. [Click here to view a more detailed description of the Bonus Points Scheme for Higher Level Leaving Certificate Mathematics, with some examples.](#)

What points are given for the LCVP?

LCVP Grade	2017 Grade equivalent	Revised LCVP Points
Distinction	H4	66
Merit	H6/O2	46
Pass	O4	28

Are there bonus points for maths?

- 25 bonus points will continue to be awarded for higher level mathematics for H6 and above.

Can I apply through the CAO in 2018 with a Leaving Certificate from 2016 or earlier?

- All students applying through the CAO from 2017 will be awarded points under the new scale, no matter when they sat the Leaving Certificate.
- The points available under the new scale cannot be compared with the points awarded previously.
- Full details of the points awarded to pre-2017 Leaving Certificate students can be found on www.transition.ie.
- The current equivalence between the points awarded for QQI Further Education and Training will be maintained in line with the new scale. Full details of the revised points for these awards can be found at..... www.transition.ie.

Have basic matriculation requirements also changed?

As a result of the new Leaving Certificate grades, revised basic matriculation requirements have also been introduced, as follows:

- Where the requirements called for 2 higher level C3 grades and 4 ordinary level D3 grades, in 2017, these will become 2 H5 and 4 O6/H7 grades.
- Where the requirements called for 5 ordinary level D3 grades, these have become 5 O6/H7 grades.

Candidates should also note that for high demand courses at AIT, there is a limit to the number of places reserved for QQI applicants. Random selection may apply in certain circumstances.

For entry to year 1 programmes at AIT, all QQI level 5 and QQI level 6 awards will be scored to deliver a maximum of 390 CAO points.

A QQI Component Certificate/Record of Achievement is not sufficient to gain entry to courses at AIT; candidates must have achieved a full QQI certificate (major award).

A major award may be accumulated over more than one academic year. In such cases, it is the responsibility of the applicant to apply to QQI for a major award where courses are taken over more than one year.

Due to the competitive nature of both General and Psychiatric Nursing, scores will only be calculated when the appropriate award is presented in a single sitting, together with all the required modules and grades.

For programmes with a specific QQI quota (i.e., General Nursing, Psychiatric Nursing, Health Science with Nutrition, Sports Science with Exercise Physiology, Athletic and Rehabilitation Therapy, Dental Nursing, Pharmacy Technician, Veterinary Nursing, Early Years Care and Education, Social Care Practice, Applied Social Studies), the QQI results are considered in Round 0 (early August). Your QQI scores will not normally be considered after Round 0 where a quota applies.

For programmes where no specific quota applies, QQI scores are included in the order of merit list of all applicants presenting school leaving examinations, and initial offers are issued in Round 1. QQI results will not be added to Leaving Certificate results. If you have taken both exams, the exam in which you have achieved the highest points will be used for non-quota places. Graduates of QQI Level 6 awards intending to apply for a place at AIT should contact the institute in advance for more information in relation to the exemptions available to award holders.

Trade qualifications

A trade applicant, seeking admission to the first year of a course, should do so through the CAO. Such application may be on the basis of National Craft Certificate, Senior Trades or Advanced Tourism Certification Board (NTCB)/QQI qualifications, instead of, or in addition to, Leaving Certificate results. AIT welcomes applications from such candidates. Possession of these awards at advanced level normally qualifies an applicant for entry to the institute.

Other qualifications

Applicants with qualifications other than those listed above (including EU and overseas qualifications) should apply in the usual way, giving full details of their qualifications/ application category on their application.

Certification of examinations results and/or work experience

Where an application is being made on the basis of qualifications other than an Irish Leaving Certificate, and/or experience, the relevant certificates showing dates, subjects and results of examinations, as well as duration and details of employment/experience, must accompany the application to CAO. Where the relevant certificates are not available at the time of application, these must be submitted as

soon as they are available. English translations of qualifications not issued in Certified English must be supplied. Applications will not be considered without the appropriate certificates.

Mature applicants

The institute considers applicants who are 23 years or over on 1 January in the year of entry to be mature applicants. Such applicants may not be required to have the minimum entry requirements. However, the institute will look for satisfactory evidence of the applicant's ability to pursue and benefit from the course. Knowledge and skills gained through experiential learning will be taken into account, with regard to the course for which the mature applicant has applied. Such applicants should apply through the CAO system by 1 February, and may be required to attend for interview at AIT as part of the selection process.

Disability Access Route to Education (DARE)

The institute welcomes and encourages applications from people with disabilities/specific learning difficulties. Our aim is to ensure that all applicants are offered an opportunity to enter third level education and to complete their studies successfully.

Applicants should apply via the Central Applications Office (CAO) and indicate on the application that they have a disability/specific learning difficulty which is the basis for seeking reasonable accommodations or support in either the application process or their college course.

Applicants applying for DARE must:

1. Be under the age of 23 as of 1 January 2018.
2. Apply to CAO by 5.15 p.m. on 1 February 2018.
3. No later than 5.15 p.m. on 1 March 2018, disclose your disability and/ or specific learning difficulty in your CAO application and fully and correctly complete Section A of the Supplementary Information Form (SIF).
4. Download Section B of the SIF - Educational Impact Statement), have it completed by your school and returned to CAO to arrive by 5.15 p.m. on 1 April 2018.
5. Download Section C of the SIF (Evidence of Disability), have it completed by the appropriate medical professional (only if you do not already have a report verifying your disability) and returned to CAO to arrive by 5.15 p.m. on 1 April 2018. In place of Section C, applicants with a specific learning difficulty or dyspraxia are asked to provide a full psycho-educational assessment completed by an appropriately qualified psychologist. In addition, applicants with dyspraxia must provide documentation from an occupational therapist, neurologist or physiotherapist.

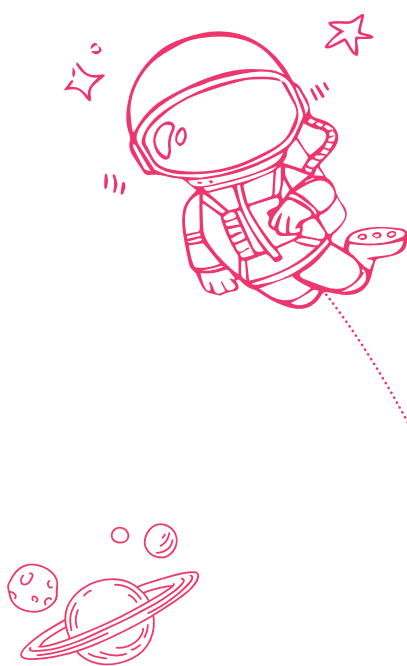
Notes:

DARE has specific requirements for Section C (Evidence of Disability) in relation to the Medical Consultant/ Specialist who must verify your disability, the age limit on reports and the

documentation required. DARE will hold a number of Application Advice Clinics nationwide during January 2018.

*If you wish to be considered for the DARE scheme you must answer yes to question 1 on Section A of the fully completed SIF by 5:15pm on 1 March 2018.

More Information on DARE is available from your school guidance counsellor or AIT's Disability Support Service Coordinator, Bernie Langtry (telephone + 353 (0)90 646 8142 and email blangtry@ait.ie. Information can also be found on: www.accesscollege.ie, www.cao.ie and www.ait.ie.



Visit www.ait.ie to find out more information on the institute and our courses.

Money matters

Third-level education can be expensive for some students. Careful consideration should be given to the costs involved and the sources of financial assistance available.

Student contribution fee

The student contribution fee is currently €3,000 per academic year (2017/2018). For students who have been awarded a grant, this fee is paid on their behalf. All other full-time students can pay this fee in full by 30 September or in two instalments by 30 September and 20 January. Payment can be made online at www.ait.ie - follow "quicklinks" and "pay fees online"

Material fee

All undergraduate programmes are subject to a material fee of €100. This fee is not covered by a grant and it is the responsibility of the student to ensure that payment is made by 30 September. A limited number of programmes also attract a course specific fee, details are available at www.ait.ie/life-at-ait/registry/fees-and-grants.

Third level grant

Student Universal Support Ireland (SUSI) is the national awarding authority for all higher education grants. SUSI offers funding to eligible students in approved full-time third level education in Ireland. Students who wish to apply for a third level grant need to apply online directly to SUSI.

As soon as the SUSI online application system opens for the academic year, you can apply. It is not necessary to have received an offer of a college place or be enrolled in college in order to apply. There are two elements to the student grant – a fee grant and maintenance grant.

- A fee grant can cover all or part of your student contribution fee
- A maintenance grant is a contribution towards your living costs.

If you have qualified for a maintenance grant, you will generally qualify for a fee grant.

Tuition fees

Tuition fees are due to the institute for all undergraduate students. The Department of Education provides a "Free Tuition Fee" scheme. A student who qualifies for "Free Tuition Fees" will be exempt from paying tuition.

Generally students who are first-time undergraduates, resident in an EU state for at least three of the five years preceding entry to the Institute and pursuing a full-time undergraduate programme qualify for free fees funding.

Students undertaking a second undergraduate course, Non-EU students, students studying by ACCS mode and students taking a year of a course for a second time (i.e. repeating a year level) may not be covered by this scheme and are therefore required to pay the fees due as determined by the Department of Education.

See www.studentfinance.ie for full details on the "Free Tuition Fee" Scheme. Further information on fees and grants is available at: www.susi.ie.

Non-EU students

International (non-EU) students are required to pay both tuition and student contribution fees.

For further information please visit <https://www.ait.ie/life-at-ait/registry/fees-and-grants> or contact the Fees and Grants Office for further information.

Sports scholarship

AIT awards approximately 100 sport scholarships annually. Each scholarship is awarded for a period of one year, but may be renewed for up to a maximum of four years and for further years if the student progresses to postgraduate study.

Student assistance fund

Special regard is given to students at third level who are or have been disadvantaged by life events. An emergency fund to assist such students is operated by the Student Assistance Fund Committee, administered by the institute's Access Officer, supported by the Students' Union and the Chaplain. Each student who makes a case for assistance is assessed on an individual and confidential basis and pending this assessment may qualify for financial help. This is to ensure, insofar as possible, that each student is enabled, on an equal footing, to participate in third level education to their full potential. Students wishing to avail of the fund should apply by completing the official application form and returning it, with all the relevant supporting documentation, to the Access Officer, Students' Union or Chaplain.





Important dates for applicants



All year

Campus visit & school tours – Individual & Group.
Contact our student recruitment team to schedule a visit.

Student recruitment talks – At any stage during the year our student recruitment team can visit your school for a talk – just get in touch with our recruitment team.

September 2017

CAO 2018 application packs delivered to schools

Information Briefing for School Principals & Guidance Counsellors– Tuesday 19th September – See our website for more details

October 2017

AIT Open Day – Friday 20th and Saturday 21st October 2017 – Free to attend. See website for details

November 2017

CAO online application facility opens on 6th November at 12:00 noon

Change of Course Choices (free) facility opens on 6th November at 12:00 noon

January 2018

Ask AIT: CAO Information Evening – Tuesday 16th January 2018 – Free to attend. See website for details

Discounted application fee available up to 20th January at 5:15pm

Online Change of Course Choices (free) facility closes 31st January at 5:15pm

February 2018

Normal closing date for applications is 1st February at 5:15pm

Online facility to amend course choices becomes available on 5th February at noon

March 2018

Closing date for amending course choices is 1st March at 5:15pm

Most tests and interviews for Restricted Courses are held in March and April

Closing date for final completion of online HEAR/DARE forms is 1st March at 5:15pm

Late application facility opens on 5th March at 12:00 noon

April 2018

Most tests and interviews for Restricted Courses are held in March and April

HEAR/DARE supporting documentation to arrive in CAO before 1st April at 5:15pm

AIT Course Interactive Open Day – Saturday 21st April 2018

May 2018

Closing date for late applications is 1st May at 5:15pm

Online Change of Mind (free) facility becomes available on 4th May at 12:00 noon (expected date)

Statement of Application Record sent to all applicants before end of May – inform CAO if you do not receive it.

June 2018

AIT Summer School – June 11th – 15th June 2018

Leaving Certificate examinations

July 2018

Change of Mind Closes on 1st July at 5:15pm

Round A offers for certain categories of applicant e.g. mature, deferral, etc. are issued in early July

Exceptional closing date for late applications for those already attending a participating HEI is 22nd July at 5:15pm

August 2018

Round Zero offers for certain categories of applicant issued in early August

Current year Leaving Certificate results issued in mid-August

Round One offers available online from 6am 20th August (expected date)

September 2018

AIT begins registration and induction for incoming students

*Important AIT dates in yellow



Important contact details



AIT Main Reception

T: + 353 (0)90 646 8000

F: + 353 (0)90 646 8148

W: www.ait.ie

Admissions Office

T: + 353 (0)90 646 8130

E: admissions@ait.ie

W: www.ait.ie/admissions

Fees Office

E: studentfinance@ait.ie

W: www.ait.ie/feesandgrants

Department of Lifelong Learning

T: + 353 (0)90 648 3050

E: lifelonglearning@ait.ie

W: www.ait.ie/departementoflifelonglearning

Access Programmes

T: +353 (0)90 646 8125

T: +353 (0)90 646 8123

E: access@ait.ie

W: www.ait.ie/accessoffice

Disability Support Service

T: + 353 (0)90 646 8142

E: blangtry@ait.ie

W: www.ait.ie/disability

International Office

T: + 353 (0)90 646 8272

E: international@ait.ie

W: www.ait.ie/international

Student Recruitment & Campus Tours

T: + 353 (0)90 646 8136

E: dseery@ait.ie

W: www.ait.ie/studentrecruitment

Students Union - Accommodation Assistance

T: +353 (0) 90 6468067

E: aitsu@ait.ie

W: www.aitsu.ie

Central Applications Office (CAO)

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