50 years
Athlone Institute of Technology

AIT

Undergraduate
Prospectus 2020

Athlone Institute of Technology

A Technological University for the Region

Mark the Date

Guidance Counsellor Briefing
Tuesday 1 October 2019

Open Day
Friday 18 & Saturday 19 October 2019

Ask AIT: CAO Information Evening for Parents & Students
Wednesday 15 January 2020

Course Interactive Open Day
Saturday 25 April 2020

Summer School
8 June to 12 June 2020

Visit us at www.AIT.ie

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

AIT Open Days

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October Open Days
Friday 18 & Saturday 19 October 2019

Course Interactive Open Day
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Student Recruitment Officer
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Send your questions to +353 85 8875177

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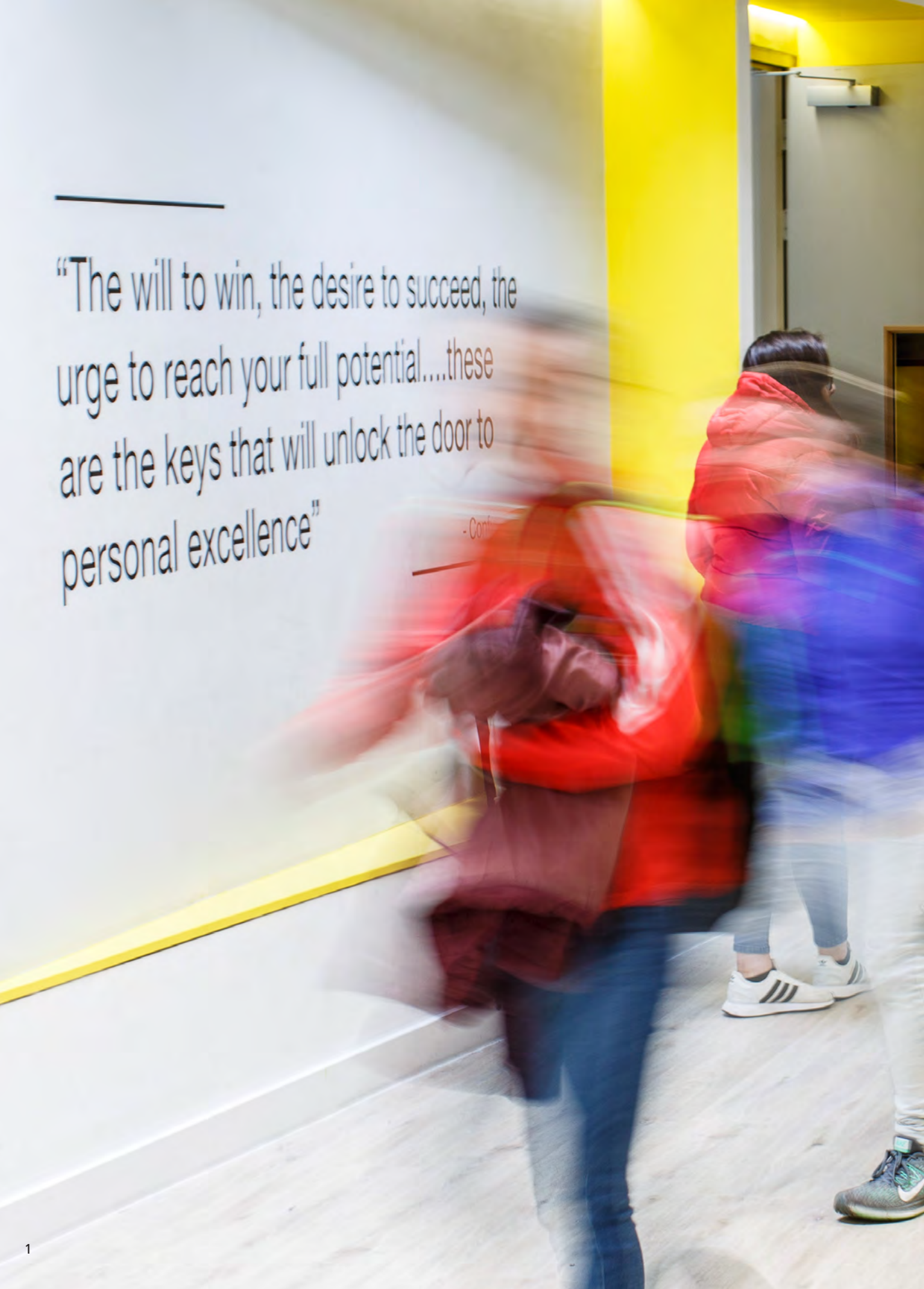
Book Now: www.ait.ie/openday


"The will to win, the desire to succeed, the urge to reach your full potential....these are the keys that will unlock the door to personal excellence"

Contents

Course Guide

Faculty of Science & Health	CAO CODE	LEVEL	DURATION	2019 POINTS	PAGE
Department of Nursing & Healthcare					
Bachelor of Science (Hons) in Nursing in General Nursing	AL830	8	4 Years	410	47
Bachelor of Science (Hons) in Nursing in Psychiatric Nursing	AL832	8	4 Years	387	49
Higher Certificate in Science Pharmacy Technician	AL630	6	2 Years	306	51
Bachelor of Science in Pharmacy Technician	Add-on	7	1 Year	N/A	53
Higher Certificate in Science in Dental Nursing	AL631	6	2 Years	326	55
Bachelor of Science in Dental Practice Management with Oral Health Promotion	Add-on	7	1 Year	N/A	57
Department of Social Sciences					
Bachelor of Science (Hons) in Applied Psychology	AL870	8	4 Years	409	59
Bachelor of Arts (Hons) in Social Care Practice	AL860	8	4 Years	310	61
Bachelor of Arts (Hons) in Early Years Care and Education	AL864	8	4 Years	306	63
Bachelor of Arts in Early Years Care and Education	AL764	7	3 Years	270	65
Bachelor of Arts (Hons) in Early Years Care and Education	Add-on	8	1 Year	N/A	67
Bachelor of Arts in Applied Social Studies in Social Care	AL765	7	3 Years	281	69
Bachelor of Arts (Hons) in Applied Social Studies in Social Care	Add-on	8	1 Year	N/A	71
Department of Sport & Health Sciences					
Bachelor of Science (Hons) in Nutrition and Health Science	AL836	8	4 Years	352	73
Bachelor of Science (Hons) in Sports Science with Exercise Physiology	AL837	8	4 Years	351	75
Bachelor of Science (Hons) in Athletic and Rehabilitation Therapy	AL841	8	4 Years	423	79
Bachelor of Science (Hons) in Physical Activity and Health Science	AL843	8	4 Years	310	81
Bachelor of Science in Exercise and Health Science	AL740	7	3 Years	302	83
Department of Life & Physical Sciences					
Higher Certificate in Science in Applied Science	AL632	6	2 Years	243	85
Bachelor of Science in Biotechnology	AL730	7	3 Years	206	87
Bachelor of Science (Hons) in Biotechnology	AL838	8	4 Years	303	89
Bachelor of Science in Biotechnology	Add-on	7	1 Year	N/A	91
Bachelor of Science (Hons) in Biotechnology	Add-on	8	1 Year	N/A	93
Bachelor of Science (Hons) in Microbiology	AL839	8	4 Years	322	95
Bachelor of Science in Pharmaceutical Sciences (*Drug Development and Analysis*)	AL734	7	3 Years	225	97
Bachelor of Science (Hons) in Pharmaceutical Sciences	AL840	8	4 Year	328	99
Bachelor of Science in Pharmaceutical Sciences (*Drug Development and Analysis*)	Add-on	7	1 Year	N/A	101
Bachelor of Science (Hons) in Pharmaceutical Sciences	Add-on	8	1 Year	N/A	103
Bachelor of Science (Hons) in Bioveterinary Science	AL842	8	4 Years	310	105
Bachelor of Science in Veterinary Nursing	AL731	7	3 Years	410	107
Bachelor of Science (Hons) in Applied Bioscience	Add-on	8	1 Year	N/A	109

**2019 points are from round 1*

Follow our guide to quickly find the course you want from our three faculties - science, business and engineering.

Faculty of Business & Hospitality	CAO CODE	LEVEL	DURATION	2019 POINTS	PAGE
Department of Accounting & Business Computing					
Bachelor of Arts (Hons) in Accounting and Law	AL853	8	4 Years	305	115
Bachelor of Arts (Hons) in Accounting	AL852	8	3 Years*	305	117
Bachelor of Science (Hons) in Business Information Systems	AL858	8	4 Years	New	119
Department of Hospitality, Tourism & Leisure Studies					
Bachelor of Arts (Hons) in Hospitality Management *(with International Placement)*	AL855	8	4 Years	312	121
Bachelor of Arts (Hons) in Food Business and Technology	AL856	8	4 Years	New	123
Higher Certificate in Arts in Culinary Arts	AL660	6	2 Years	AQA	125
Bachelor of Arts in Culinary Arts	Add-on	7	1 Year	N/A	127
Bachelor of Arts (Hons) in Culinary Entreprenuership	Add-on	8	1 Year	N/A	129
Higher Certificate in Arts in Bar Supervision	AL661	6	2 Years	AQA	131
Higher Certificate in Business in Sport and Recreation	AL663	6	2 Years	183	137
Bachelor of Business (Hons) in Sport Management *(with international placement)*	AL854	8	4 Years	New	139
Bachelor of Business in Sport Management	Add-on	7	1 Year	N/A	141
Bachelor of Business (Hons) in Management in Tourism & Sport	Add-on	8	1 Year	N/A	143
Bachelor of Arts in Hotel and Leisure Management	AL761	7	3 Years	219	145
Bachelor of Business (Hons) in Tourism & Hospitality Management	Add-on	8	1 Year	N/A	147
Department of Business & Management					
Bachelor of Business (Hons) in Business (*Ab initio*)	AL850	8	4 Years	307	151
Bachelor of Business (Hons) in Business and Law	AL851	8	4 Years	301	153
Bachelor of Business in Digital Marketing	AL751	7	3 Years	226	155
Bachelor of Business (Hons) in Digital Marketing	Add-on	8	1 Year	N/A	157
Bachelor of Business (Hons) in Digital Marketing	AL857	8	4 Years	299	159
Higher Certificate in Business	AL650	6	2 Years	210	163
Bachelor of Business in Business	Add-on	7	1 Year	N/A	165
Bachelor of Business (Hons) in International Business *(with a mandatory language)*	AL859	8	4 Years	New	167
Bachelor of Business in International Business Management	Add-on	7	1 Year	N/A	169
Bachelor of Business in Business	AL752	7	3 Years	228	171
Bachelor of Business (Hons) in Business Honours	Add-on	8	1 Year	N/A	173

Disclaimer:
All course titles and information listed are subject to change.

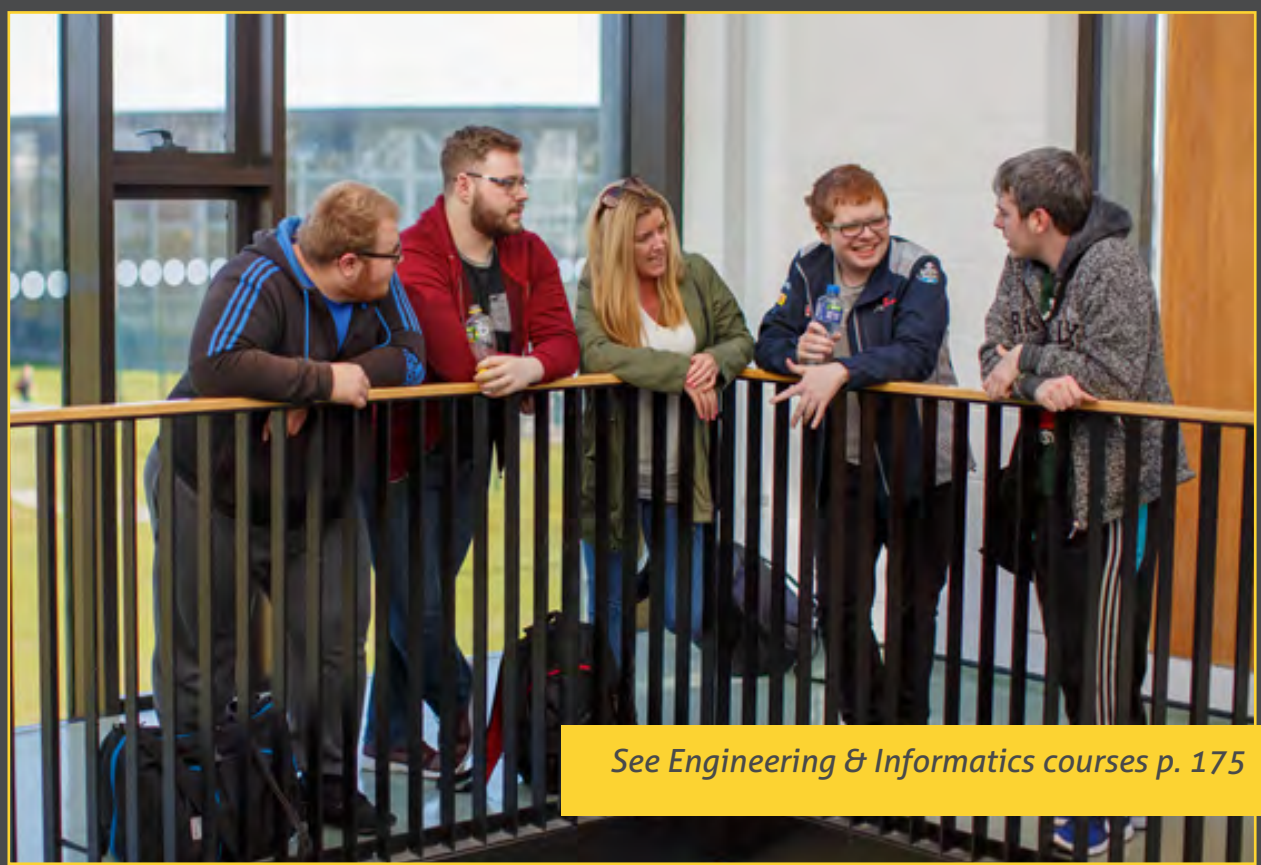
**See p.117/8 for more details*

Faculty of Engineering & Informatics	CAO CODE	LEVEL	DURATION	2019 POINTS	PAGE
Department of Civil Engineering & Trades					
Bachelor of Science (Hons) in Quantity Surveying	AL810	8	4 Years	307	179
Bachelor of Engineering (Hons) in Civil Engineering	AL811	8	4 Years	New	181
Higher Certificate in Engineering in Civil Engineering	AL604	6	2 Years	252	183
Bachelor of Engineering in Civil Engineering	AL721	7	3 Years	217	185
Bachelor of Engineering (Hons) in Civil Engineering	Add-on	8	2 Years	N/A	187
Bachelor of Science (Hons) in Construction Management	Add-on	8	1 Year	N/A	189
Department of Computer & Software Engineering					
Bachelor of Science (Hons) in Software Design with Virtual Reality and Gaming	AL801	8	4 Years	304	193
Bachelor of Science in Software Design with Virtual Reality and Gaming	AL703	7	3 Years	New	194
Higher Certificate in Software Design	AL600	6	2 Years	205	195
Bachelor of Science in Software Design with Virtual Reality and Gaming	Add-on	7	1 Year	N/A	196
Bachelor of Science (Hons) in Software Design with Virtual Reality and Gaming	Add-on	8	1 Year	N/A	197
Bachelor of Science (Hons) in Software Design with Mobile Apps and Connected Devices	AL803	8	4 Years	309	199
Bachelor of Science in Software Design with Mobile Apps and Connected Devices	AL705	7	3 Years	206	200
Bachelor of Science in Software Design with Mobile Apps and Connected Devices	Add-on	7	1 Year	N/A	201
Bachelor of Science (Hons) in Software Design with Mobile Apps and Connected Devices	Add-on	8	1 Year	N/A	202
Bachelor of Science (Hons) in Software Design with Artificial Intelligence for Cloud Computing	AL802	8	4 Years	301	205
Bachelor of Science in Software Design with Artificial Intelligence for Cloud Computing	AL702	7	3 Years	New	206
Bachelor of Science in Software Design with Artificial Intelligence for Cloud Computing	Add-on	7	1 Year	N/A	207
Bachelor of Science (Hons) in Software Design with Artificial Intelligence for Cloud Computing	Add-on	8	1 Year	N/A	208
Bachelor of Engineering in Computer Engineering	AL704	7	3 Years	205	211
Higher Certificate in Engineering in Computer Engineering	AL601	6	2 Years	196	212
Bachelor of Engineering in Computer Engineering	Add-on	7	1 Year	N/A	213
Bachelor of Engineering (Hons) in Software Engineering	Add-on	8	1 Year	N/A	214
Bachelor of Engineering (Hons) in Computer Engineering with Network Infrastructure	AL805	8	4 Years	329	217
Bachelor of Engineering in Computer Engineering with Network Infrastructure	AL701	7	3 Years	235	218
Bachelor of Engineering in Computer Engineering with Network Infrastructure	Add-on	7	1 Year	N/A	219
Bachelor of Engineering (Hons) in Computer Engineering with Network Infrastructure	Add-on	8	1 Year	N/A	220

**2019 points are from round 1*

Faculty of Engineering & Informatics	CAO CODE	LEVEL	DURATION	2019 POINTS	PAGE
Department of Polymer, Mechanical & Design					
Bachelor of Engineering (Hons) in Mechanical and Polymer Engineering	AL820	8	4 Years	300	221
Higher Certificate in Engineering in Mechanical Engineering	AL602	6	2 Years	258	223
Bachelor of Engineering in Mechanical Engineering	AL710	7	3 Years	242	225
Bachelor of Engineering in Mechanical Engineering and Renewable Energy	AL711	7	3 Years	231	227
Bachelor of Engineering (Common Entry)	AL713	7	3 Years	245	229
Bachelor of Engineering (Hons) in Mechanical Engineering	Add-on	8	1 Year	N/A	231
Bachelor of Engineering in Automation and Robotics	AL712	7	3 Years	New	233
Bachelor of Engineering (Hons) in Manufacturing Technology	Add-on	8	1 Year	N/A	235
Bachelor of Arts (Hons) in Design with Product Innovation	AL862	8	4 Years	New	237
Bachelor of Arts (Hons) in Animation and Illustration	AL861	8	4 Years	615#	239
Bachelor of Arts in Graphic Design	AL763	7	3 Years	626#	243
Bachelor of Arts (Hons) in Graphic and Digital Design	AL863	8	4 Years	703#	245
Bachelor of Arts (Hons) in Graphic and Digital Design	Add-on	8	1 Year	N/A	247
Bachelor of Science in Music and Sound Engineering	AL718	7	3 Years	New	249

#Portfolio / Assessment required **2019 points are from round 1*



See Engineering & Informatics courses p. 175

President's welcome

WELCOME TO OUR AWARD WINNING INSTITUTE OF TECHNOLOGY

I am delighted that you are considering studying at Athlone Institute of Technology. Our undergraduate programmes have a strong focus on academic and applied excellence that are industry informed. We produce graduates that are agile, adaptable and relevant for our industry partners regionally, nationally and internationally. Our institute is ambitious, contemporary and vibrant and we are working to create a Technological University for the Midlands region that we want you to be part of.

In today's innovation economy, education has become critically important for developing and moulding the next generation of innovators and creative thinkers and it is this very ethos, in tandem with our unwavering commitment to academic and applied excellence, that resulted in us being named U-Multirank's' Top 25 Performing Universities In the World for interdisciplinary research for the second consecutive year.

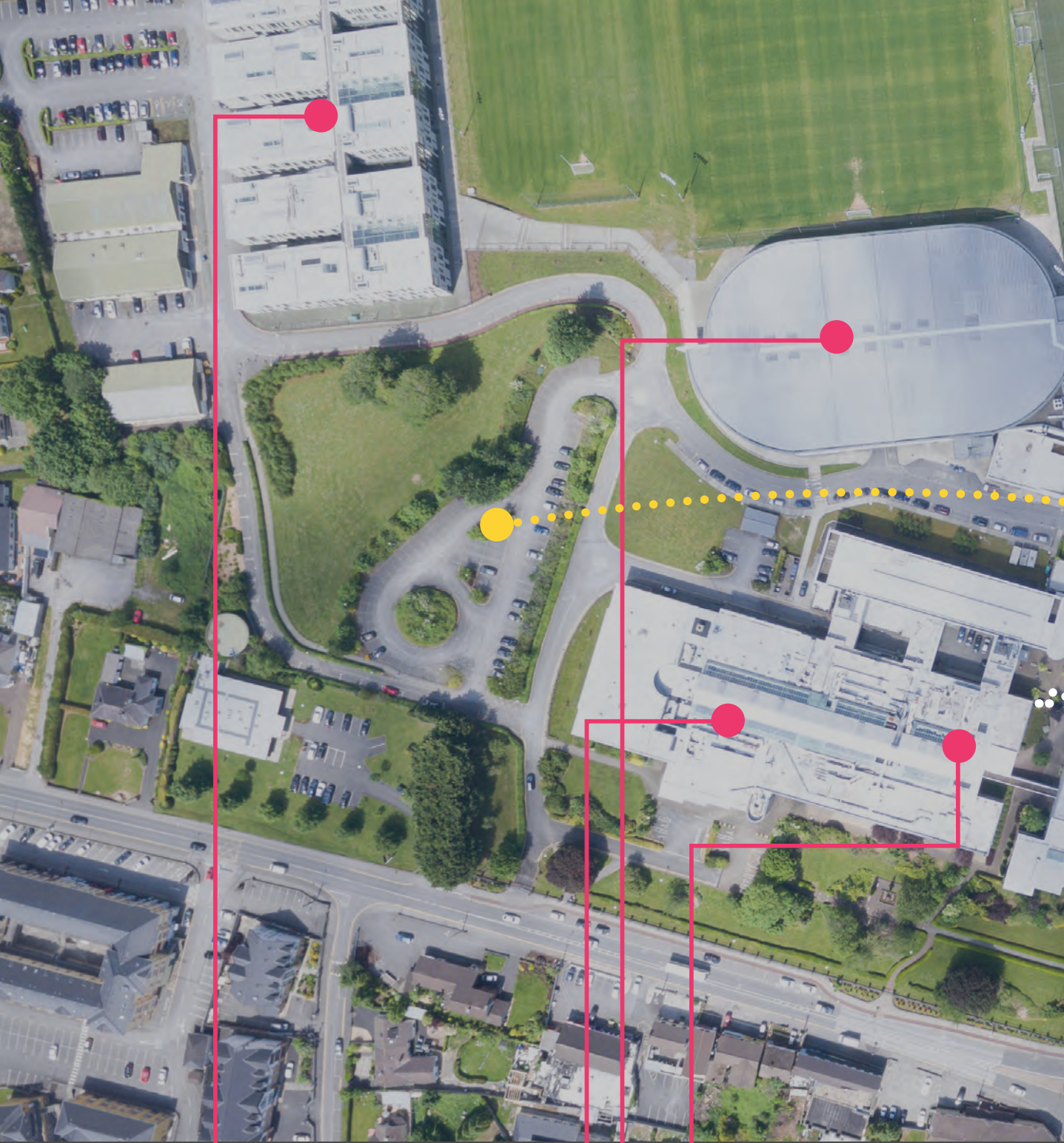
We have enjoyed considerable successes in the academic arena this year, most notably being named 'best in class' for research across the technological higher education sector. Further solidifying our reputational prowess, we were recently awarded 'Best Academic Partnership' at the prestigious national Education Awards for our part in developing SURE, Ireland's first academic network dedicated to promoting undergraduate STEM research across the technological higher education sector. These accolades build upon our success in winning the Sunday Times Good University Guide 'Institute of Technology of the Year' award in 2018, and runner-up in 2017.

But as proud as we are of our achievements, none of that compares to what makes studying at Athlone Institute of Technology so special: our staff and students. At AIT, students are names, not numbers. The student experience is at the heart of everything we do here at Athlone Institute of Technology, which is demonstrated by our ISSE Student Engagement Survey results. We continually outpace our institute of technology and university counterparts, which cements our position as one of Ireland's leading institute's of technology.

Our institute has a firm commitment to providing an equal educational opportunity learning environment to all students. We understand that access to higher education is a privilege and an instrument of social mobility capable of empowering people. The acquisition of knowledge is a passport to your future career, a future that is in safe hands of our erudite staff and lecturers. And with that said, welcome to Athlone Institute of Technology's 2020 undergraduate prospectus. Whatever your academic endeavours, know that you will receive every support and opportunity throughout your time with us and we hope that you consider joining our ambitious institute.

Wishing you every success,

Professor Ciarán Ó Catháin
President



1 Engineering building

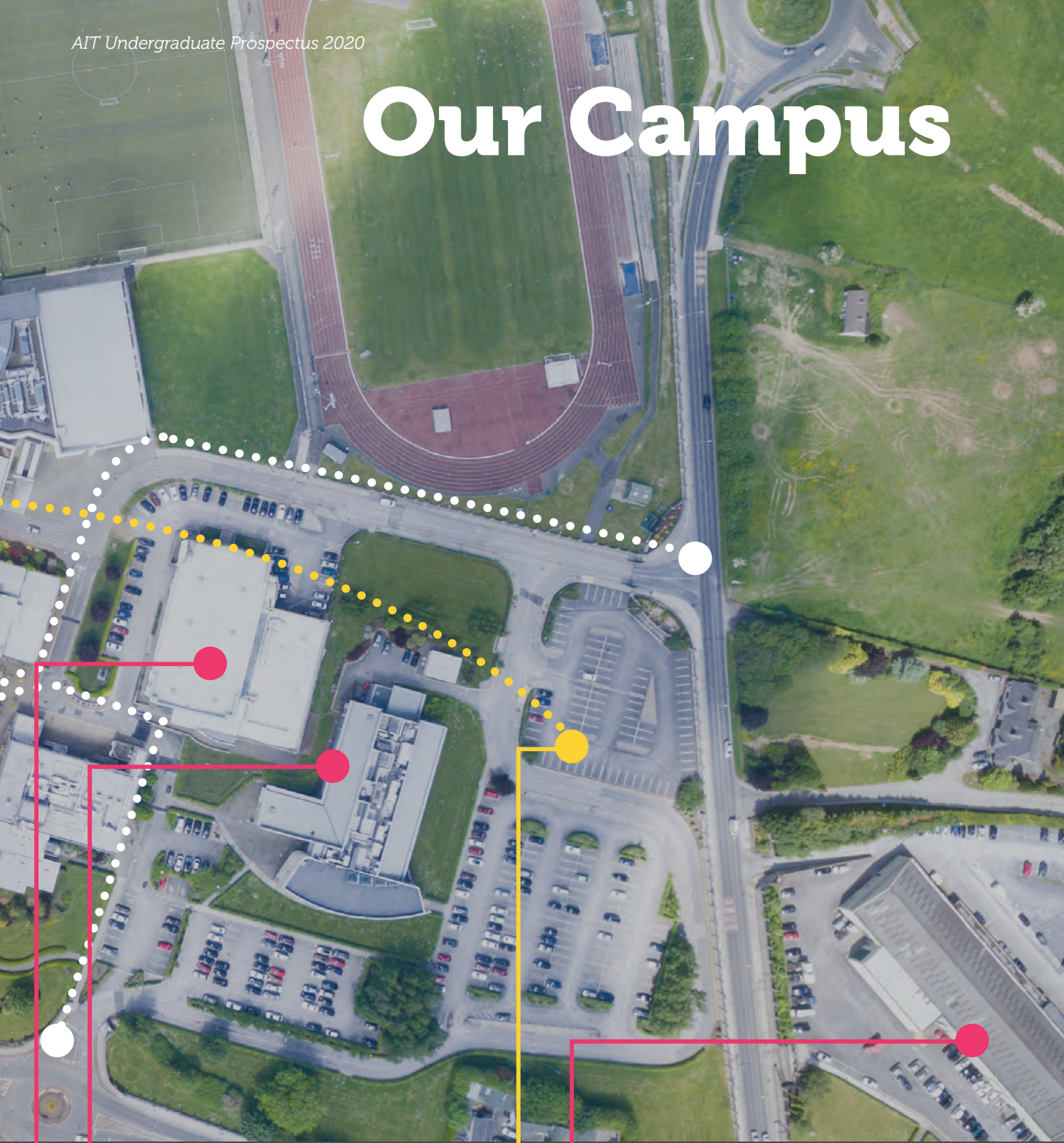
2 Library

3 International Arena

4 Main campus entrance

5 Students' Union

Our Campus



6 Hospitality, Tourism & Leisure building

7 Student parking

8 East Campus - Nursing, Trades, Research & MIRC

Student's parking areas

Main campus entrances

> 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***

Institute of the Year 2018

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

AIT is leading the way in graduate employability, applied research and innovation, and industry partnerships. In 2018, we won the coveted "*The Sunday Times* Institute of Technology of the Year" award for our unwavering commitment to academic excellence and applied learning.

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

AIT is currently ranked 9th nationally in the league table of universities and institutes of technology.


METALLICA

7 Great Reasons to Choose AIT

1. Applied industry-focused courses

There are more than 50 applied industry-focused undergraduate programmes on offer here at our award-winning institute. In recent years, we've introduced pioneering undergraduate and postgraduate programmes in response to skill gaps in industry including microbiology, applied psychology, design with Product innovation, biopharmaceutical technology, data analytics, software design and business information systems.

2. Work placement

As an institute, we have fostered strong links with industry and emphasised the importance of work placement as part of our undergraduate programmes. As a result, our graduates are industry-ready and enjoy a 95% employability and further study rate six months after graduation. From the perspective of business and industry, work placement is a gateway for both identifying and recruiting talent.

3. State-of-the-art-facilities

Our award-winning, contemporary institute has undergone a period of considerable development and expansion, and boasts a 13,000-square meter state-of-the-art Engineering and Informatics facility and a world-class athletics facility. We've also received funding to build a state-of-the-art STEM building as part of a €200 million investment into the HEI landscape.

4. Study Abroad

Studying abroad provides ample opportunity for students to improve their language skills, make new friends and experience new cultures. Our institute has signed study abroad partnerships with 230 universities and research institutions around the world allowing students to study abroad for a semester or full year.

5. Affordable cost of living

AIT offers one of the most cost-effective routes into third level education in Ireland. Students can find plentiful high-quality accommodation at a fraction of the price in the major cities. Rents are very affordable, with rates ranging from as low as €75 per week for a single room in a brand new purpose-built apartment.

6. Institute of the Year 2018

AIT is leading the way in graduate employability, applied research and innovation, and industry partnerships. In 2018, we won the coveted "*The Sunday Times* Institute of Technology of the Year" award for our unwavering commitment to academic excellence.

7. Centrally located

Athlone enjoys excellent road links and affordable parking making AIT an economical and accessible destination. Our institute's central location means it is well serviced by coaches and trains connecting to all areas of the country.

Did You Know?

95%

of the graduate class of 2018 were employed, in training or in further study six months after graduation

Top 25

named U-Multirank's 'Top 25 Performing Universities in the World' for interdisciplinary research for the second consecutive year

1st

we are the first third-level college in Ireland to receive APS accreditation in pharmaceutical sciences

1st

for ISSE student satisfaction

60+

different nationalities study at AIT which gives our campus an amazing atmosphere

4

Authority to award PhDs in four areas – Microbiology, Toxicology, Software ICT, Polymer Engineering

Industry Links

A snapshot of our industry connections for placements, live projects and industry talks.

ALMAC ICT Software	Google Communication Technologies	Harmac Medical Products Pharma & Biotec	Alexion Pharmaceuticals
Abbott Global Healthcare Company	Neueda Communication Technologies	Builders Sisk Contractors Established 1859 Information Communications	PPD GMP Laboratory
Boston Scientific Pharma Medical Manufacturing	RBK Accounting	Blackrock Clinic Health and Welfare	Medtronic Medical Technology
mergon Polymer and plastic experts	SO/ Hotels & Resorts Hospitality	intel ICT Software	Teleflex Global Provider of Medical Technology
Robotics & Drives Robotics and Automation	Adare Manor Hospitality	Alkermes Pharma Medical Manufacturing	npd Consumer and retail tracking market research
Aer Lingus Hospitality	trend Technologies Injection Moulding	Hodson Bay Group Hospitality	HSE Public Healthcare

Grad Survey

94%

from the Faculty of Engineering and Informatics were either employed, in training or in further study six months after graduation

95%

of overall graduates of the class of 2018 were either employed, in training or in further study six months after graduation

95%

from the Faculty of Science and Health were either employed, in training or in further study six months after graduation

88%

of all 2018 graduates were employed in Ireland

95%

from the Faculty of Business and Hospitality were either employed, in training or in further study six months after graduation

Research Focus & Industry Engagement

3

Strategic Research Institutes

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

1st

for research across Ireland's technological higher education sector.

3

Dedicated Research Centres

- Applied Polymer Technologies [APT]
- COMAND Software Centre
- The Centre for Industry Services and Design (CISD)

CONFIRM Smart Manufacturing Centre

€47

million invested in the Centre

100

Jobs nationwide by 2020

1st

first institute of technology to accede to the prestigious AMBER centre headquartered at Trinity College Dublin

Student Recruitment

Our contemporary campus offers more than 50 applied industry-focused undergraduate programmes at level 6,7 and 8. This gives students autonomy over their educational pursuits by allowing them to take a stepping stone approach to their education, if they so choose, or enrol in a straight four-year degree. As can be seen from the many student and graduate testimonials sprinkled throughout this prospectus, students have enjoyed considerable success with both approaches.

In recent years, we've introduced pioneering undergraduate programmes in response to skill gaps in industry, including: Microbiology, Applied Psychology, and Design with Product Innovation. Our institute is extremely responsive to the needs of industry and is leading the way in graduate employability, applied research and innovation, and industry partnerships. In 2018, we won the coveted The Sunday Times Institute of Technology of the Year award for our unwavering commitment to academic and applied excellence.

Our strong industry-focus and emphasis on applied education means that our graduates enjoy a 95% employability rate six months after graduation. We have cultivated close links with local businesses and large multinationals throughout Ireland so as to secure the best work placement opportunities for our students. Not only will a work placement bolster a student's future employability, it also acts as a gateway for employers to identify and recruit new talent.

We also recognise the value of studying abroad and encourage our students to invoke their educational passports. To support this, we have forged study abroad partnerships with 230 universities and research institutions around the world, including continental Europe, Canada, Brazil and places as far flung as Malaysia, Indonesia and China. Our students have the option of embarking on a one or two semester-long adventure!

How can I help?

At the end of the day my mission is to help you make an informed decision in partnership with your parents or guardian and school guidance counsellor. Come along to one of our many course open days we hold throughout the year. Our team, which is bolstered by current student and graduate ambassadors, will be more than happy to discuss your educational opportunities at length. We're always on hand to advise students on courses and give insight into college and student life more generally.

School visits

We engage in school outreach programmes throughout the year that inform and encourage students to attend third level. If you're a guidance counsellor or teacher and would like us to attend your school, just let us know. We'd be delighted to assist in any way we can. We will tailor our visit to your requirements, satisfying the interests of students, guidance counsellors and teachers alike. Our student recruitment team is also more than happy to organise campus tours for individuals and schools. During these taster days, students will get a flavour of college life, subject offerings and even cool demonstrations in our lab and sports facilities!

- **General overview:** This talk focuses on our institute, the facilities on offer, our award-winning support services, sports, clubs and societies, international links and a summary of all our courses.

- **Subject-specific talks:** This tailored talk is delivered by our expert academic staff and focuses on specific programme offerings, placements and career opportunities. As the name suggests, this talk can be tailored to the given guidance counsellor's specifications.

- **Industry collaboration talks:** Bespoke industry specific talks are available on request subject to your requirements. These immersive talks give a practical insight into careers and course pathways.

Transition to third level talk (Parents & Students)

This talk is tailored for third level information evenings. The talk is not AIT specific but rather about the general transition into third level focussing on the CAO application process, grants, supports, HEAR & DARE, accommodation, student fees, scholarships, etc. This talk has received excellent feedback from parent's association events over the past year.

Guidance Counsellor Briefing

Tuesday 1 October 2019

We'll be hosting a Guidance Counsellor Briefing on Tuesday 1 October 2019 with the view to celebrating

our recent institute achievements and developments. Our registrar, admissions officer and various faculty leaders and supporting staff will be on hand to discuss developments in our industry-focused CAO course offerings and, of course, foreseeable skills gaps in industry. Guidance counsellors will also glean some insight into our admissions process and get a feel for our warm and welcoming campus environment. As a result, guidance counsellors will be better positioned to advise prospective students and their parents.

October Open Days

Friday 18 October 2019 (10am to 2pm)
Saturday 19 October 2019 (10am to 1pm)

Our upcoming October Open Days provide ample opportunity to meet and speak with lecturers and current students about our 50+ industry-focussed CAO course offerings. Come and explore our award-winning campus on Friday 18 October and Saturday 19 October from 10am to 1pm. This is a chance for you and your parents to learn about our strong industry links, excellent placement opportunities and, ultimately, AIT's high graduate employability rates. Our award-winning campus is currently ranked the number 1 institute of technology in Ireland and is internationally regarded as a centre of academic excellence and applied learning.

Course Interactive Open Day

Saturday 25 April 2020

For the second year in a row, we'll be hosting our innovative Course Interactive Open Day designed to give prospective students, parents and guidance counsellors an opportunity to visit our campus for a truly interactive day jam-packed with learning and development labs, demonstrations and other activities. Our student recruitment team will be on hand to partner prospective students with lecturers in their specific area of academic interest. The day will also give students first-hand experience of the kinds of teaching methods used in a third-level setting. Over the course of the day, students will have an opportunity to ask lecturing staff course-related questions.

Our Course Interactive Day has a specific focus on career and future employability and gives parents and prospective students the chance to mingle with industry professionals, including: engineers, accountants, graphic designers, hotel managers, marketers, scientists and more. Our Course Interactive Open Day is open to senior cycle secondary school students including transition years. For more information or to register for one of our open day events visit www.ait.ie/openday.

Transition Year 'Taster' Events and Campus Visits

We'll be hosting a series of transition year taster events throughout the year with the express intention of showcasing the depth and breadth of our CAO course offerings. Senior cycle students will have the opportunity to visit the campus, sit in on real lectures and check out the campus facilities first hand! These events will give prospective students a gentle introduction to their discipline of interest. Students can also avail of a campus tour which will familiarise them with the facilities on offer at our award-winning institute. The tour encompasses our laboratories and lecture theatres, our brand-new engineering building, our state-of-the-art sporting facilities and social areas such as our Students' Union. For many students and their families, this helps ease the transition from secondary school to third level. To book a campus tour or to arrange a TY 'taster' event, please contact dseery@ait.ie.

Ask AIT: CAO Information Evening

Wednesday 15 January 2020

Our CAO Information Evening will take place Wednesday 15 January 2020 and is suitable for prospective students, their parents or guardians, early school leavers and mature students. Attendees will have an opportunity to speak to admissions staff about the CAO application process and converse with current students from the Faculties of Business and Hospitality, Engineering and Informatics and Science and Health. During our CAO Information Evening, attendees will learn about the CAO process, student support services, schemes and scholarships, including: HEAR and DARE, our brand new 1916 Bursary and our myriad sports scholarships. Our academic and support staff will be on hand throughout the evening to answer all queries.

With that being said, welcome to Athlone Institute of Technology! If you have any further queries, please don't hesitate to get in touch!

Daniel Seery,
Student Recruitment Officer
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Mobile: +353 86 1998858
WhatsApp: +353 85 8875177
Email: dseery@ait.ie

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 seven 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.

We also offer a wide range of 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.

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.

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 multidisciplinary 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, 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.

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.

"Working in consultation with our academic partners, we provide the print and electronic resources to support students in completing assignments, learning about their subject areas ofinterest and to explore beyond the reading list." Jane Burns, Institute Librarian

Campus Resources

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 AIT library 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.

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 card.


AIT
Scholarship of Excellence
2018/19

Scholarship of Excellence

Awarded by the President

Athlone Institute of Technology bestows Scholarships of Excellence upon high achieving Leaving Certificate students in recognition of the points they achieved in their 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 honours degree (level 8) programmes.

500 +points

AIT sport scholarship recipient, Shane Lowry after winning the British Open at Royal Portrush in County Antrim, claiming his first major.

Sport at AIT

60 sports scholarships were awarded in 2018/19 for students who reached, or have the potential to reach, a very high standard of performance in their chosen sport.

Sport and 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. 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 Team Success 2018/19

Rugby – Athlone IT captured the first ever Student Sport Ireland / Irish Rugby Football Union Women's Tier 2 Cup title when they had eight points to spare over University of Limerick 'B. The senior men's rugby team were unlucky to lose the final of the Brendan Johnston Cup to Carlow IT.

Soccer – The mens A team were unlucky to lose in the Premier Division League quarter final and CFAI Plate semi-final and will be hoping to build on this in the coming season. The club fielded five teams, four men's, one women's team and a recreational league.

Futsal – the futsal team won the Connacht regional qualifiers and finished 2nd in the national finals in Waterford. The team then qualified for the national futsal competition losing to Transylvania FC in a national semi-final in Abbotstown.

GAA – In the academic year 2018/19 AIT GAA club fielded 10 teams in national competition.

Camogie – The senior Camogie team won the Fr. Meachair Cup Final beating Trinity College in the final.

Athletics – AIT hosted the IUAA outdoor intervarsity's with Niamh Fogarty winning the Discus event and the Womens 4x100m relay team finishing third. Sport Scholarship Student Niamh Fogarty went on to compete for Ireland in Discus at the European U23 Championships in Sweden.

Men's Basketball – for the fourth time an institute team was entered into the local Shannonside League playing 14 games against teams from Donegal, Sligo, Leitrim and Longford.

Women's Basketball – Competed in Division 2 of the Basketball Ireland Colleges league.

Pool – Desiree Koh was the first ever winner of the intervarsity women's pool competition! She subsequently competed at the world championships in June in Birmingham.

Archery – Competed for the second season in the Intervarsity Archery leagues.

Volleyball - Athlone IT joined the list of 2019 Student Sport Ireland winners as of the SSI Men's Volleyball League title on Wednesday March 13th in Maynooth University with victory over Dublin City University in the final.

AIT sports scholarship and elite sportsperson entry schemes

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, 9 Gold and 51 Academy scholarships were awarded for the 2018-2019 academic year. The Scholarship now operates on two levels. A Gold Scholarship is worth up to the value of €1,000 in supports which includes use of our sports facilities, physical therapy, one on one strength & conditioning coaching, functional screening assessments, cookery demonstrations, academic support, nutritional advice, lifestyle management and sports psychology. An Academy level scholarship includes many of the supports listed above for those aspiring to the Gold level.

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.

Sports scholarship recipients must adhere to the institute's sports scholarship regulations, a copy of which must be signed by those offered the scholarship from the Sports Department at the annual scholarship induction.

Further details of the scheme may be obtained from your local school/college or directly from David McHugh (AIT Assistant Sports Officer) in the Sports Department via email at davidmchugh@ait.ie or by phone + 353 (0)90 6468022.

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.

Sport Scholarship applications can be made online at the following link:

www.aitsport.ie/sportait/scholarship/

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

The closing date for applications for the 2019-2020 Academic Year is Friday 1st May 2020. Further details of the Elite Entry Scheme directly from the admission officer on + 353 (0) 646 8130.

AIT's elite sporting facilities

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

- IAAF-approved indoor 200m track
- 60m 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 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.

- **Cryotherapy Pods –** AIT is home to two air cooled cryotherapy pods which are designed to relieve muscle pain and aid faster recovery from sports injuries. The machines can be customised to the user's exact height meaning they get full-body immersion in a special temperature-controlled cryochambers where the air is maintained at -110°C to -140°C.

- **Anti-gravity treadmill –** The AlterG 'anti-gravity' treadmill was originally designed for NASA to help astronauts train for space missions and adapted for use in rehabilitation clinics and sports clubs. The AlterG treadmill allows users to train or rehabilitate with less pain while reducing the risk of further injury. It works by unweighting the user's gravity impact by selecting any weight between 20% and 100% of their body weight by 1% increments which makes it easier to run.

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).

John Travers was the first ever man to run a sub-four-minute mile indoors in Ireland recording a time of 3.59.40 in 2018.

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.

148,800
TG4 Viewership in 2018

3.5%
Ranked in the top 3.5% of Indoor Athletics Meetings
– All Athletics

2.41m
Mutaz Essa Barshim set a personal best, Asian record and stadium record in 2015

Past Performers

Sally Pearson (Aus)

2017 World 100m 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 (USA)

2017 World Pole Vault Champion, Competed at the 2018 AIT Grand Prix.

Kendricks is the 2014, 2015 and 2016 US Indoor National Champion. 2015,16,17,18 US National Champion. 2016 US National Champion while setting the US Olympic Trials pole vault record [2] and the 2017 World Champion.

Thomas Barr (Irl)

2018 European Bronze medalist in the 400m hurdles. Competed at the 2018 AIT Grand Prix.

Thomas Barr is the current Irish senior record holder for the 400m Hurdles (47.97). The eight-time national champion winner was the only athlete to dip below the 47-second barrier in the 400m flat during the 2018 AIT Grand Prix.

Phil Healy (Irl)

Three national records in 2018, Competed at the 2017 AIT Grand Prix.

Phil Healy is the first Irish woman to break 23 seconds in the 200m. The 23-year-old also broke the Irish women's record in the 100m and competed in the 2018 AIT Grand Prix posting an impressive 7.31 in the women's 60m.


IRELAND
AUTHENTIC
COLLECTION
16
REPUBLI

International Opportunities

AIT offers a truly international education experience

Partnership arrangements exist with more than 230 leading universities all around the world, including 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 2020. Application forms and procedures are available from www.ait.ie. For further details and information, please visit www.ait.ie/international-students/

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 pursue an undergraduate course at the institute. The programme provides successful participants with a grounding in English, computing, basic technology, engineering and business.

Summer school programme in Irish cultural studies

This is a three-week study abroad programme 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:
Web: www.ait.ie
Phone: +353 (0)90 646 8272
Email: international@ait.ie

15%

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

Educational Passport

Broaden your horizons with a degree from AIT

Studying abroad provides ample opportunity for students to improve their language skills, make new friends and experience new cultures. At Athlone Institute of Technology, students are encouraged to avail of their educational passport and study abroad for a semester or full year. Our institute has signed study abroad partnerships with 230 universities and research institutions around the world including Continental Europe, Canada, Brazil and places as far flung as Malaysia, Indonesia and China.

Canada	
USA	Pennsylvania Arizona Michigan New York Illinois
Great Britain	
Brazil	
The Netherlands	
Belgium	
France	
Spain	
Portugal	
Finland	
Denmark	
Germany	
Austria	
Italy	
Lithuania	
Poland	
Czech Republic	
Turkey	
Saudi Arabia	
India	
China	Beijing Hefei Chaohu Wuhan Shanghai
Thailand	
Malaysia	
Indonesia	


SEAN'S BAR
IRELAND'S OLDEST BAR. 900AD
LIVE MUSIC NIGHTLY
BEER GARDEN OPEN
Sean's Bar
Birthplace of T.P.O Connor
Sean's Bar
kin khao
My Melody Restaurant
Tel: 090 6490459

Athlone & the Midlands

Outdoor Fun

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 and 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 six screens, IMC Cinema in Athlone's Golden Island Shopping Centre is the place to catch all the latest releases. It's open from 2pm on weekdays and from 12 pm 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 and Trails

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

Undergraduate Programmes 2020

Faculty of Science & Health

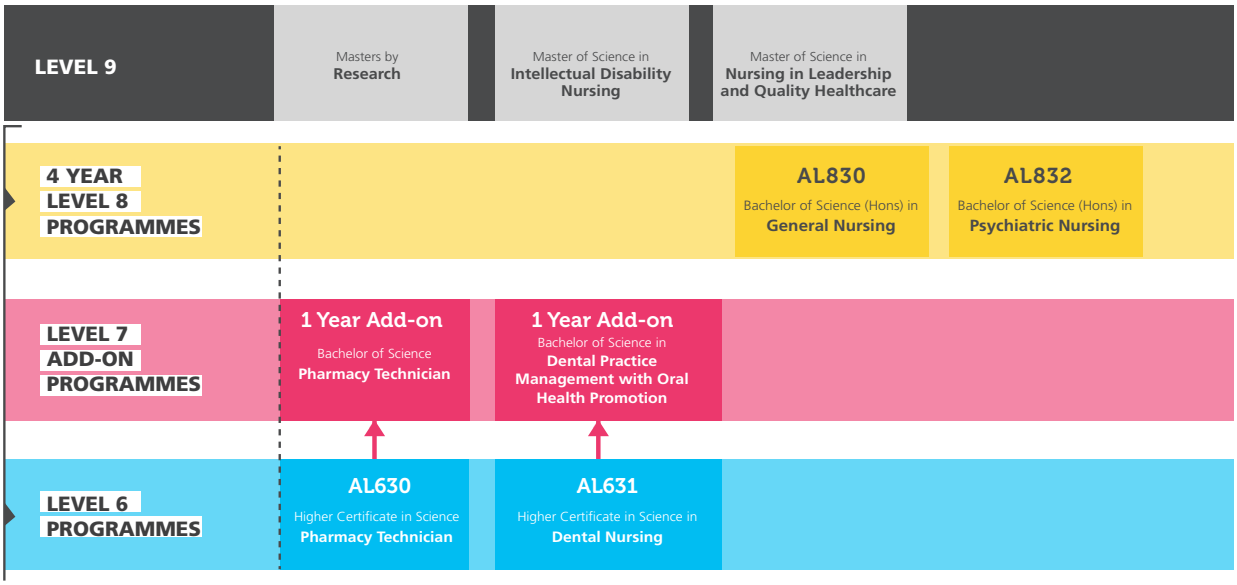
www.ait.ie/science

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

Our Faculty of Science and Health is comprised of four departments. 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

Nursing & Healthcare progression options

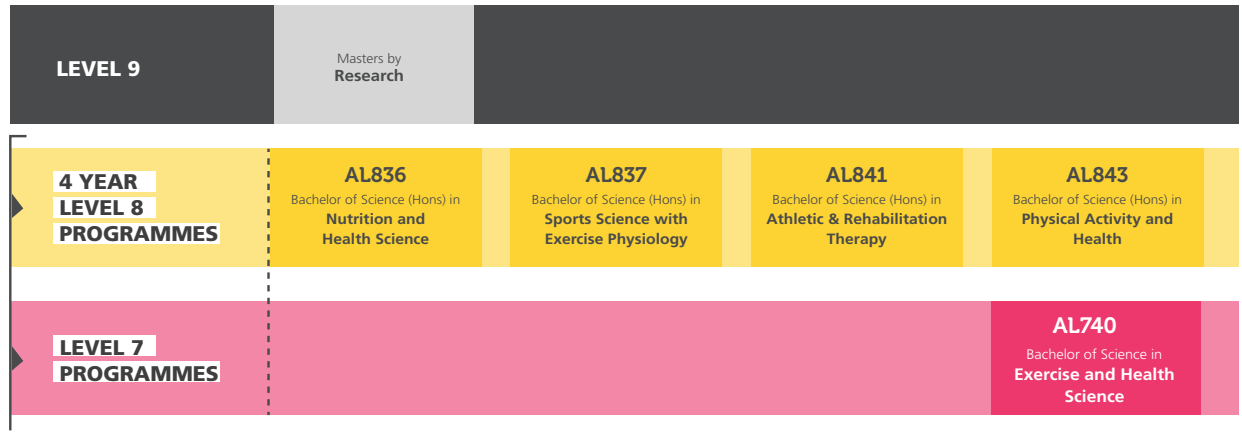


College entry

Social Science progression options

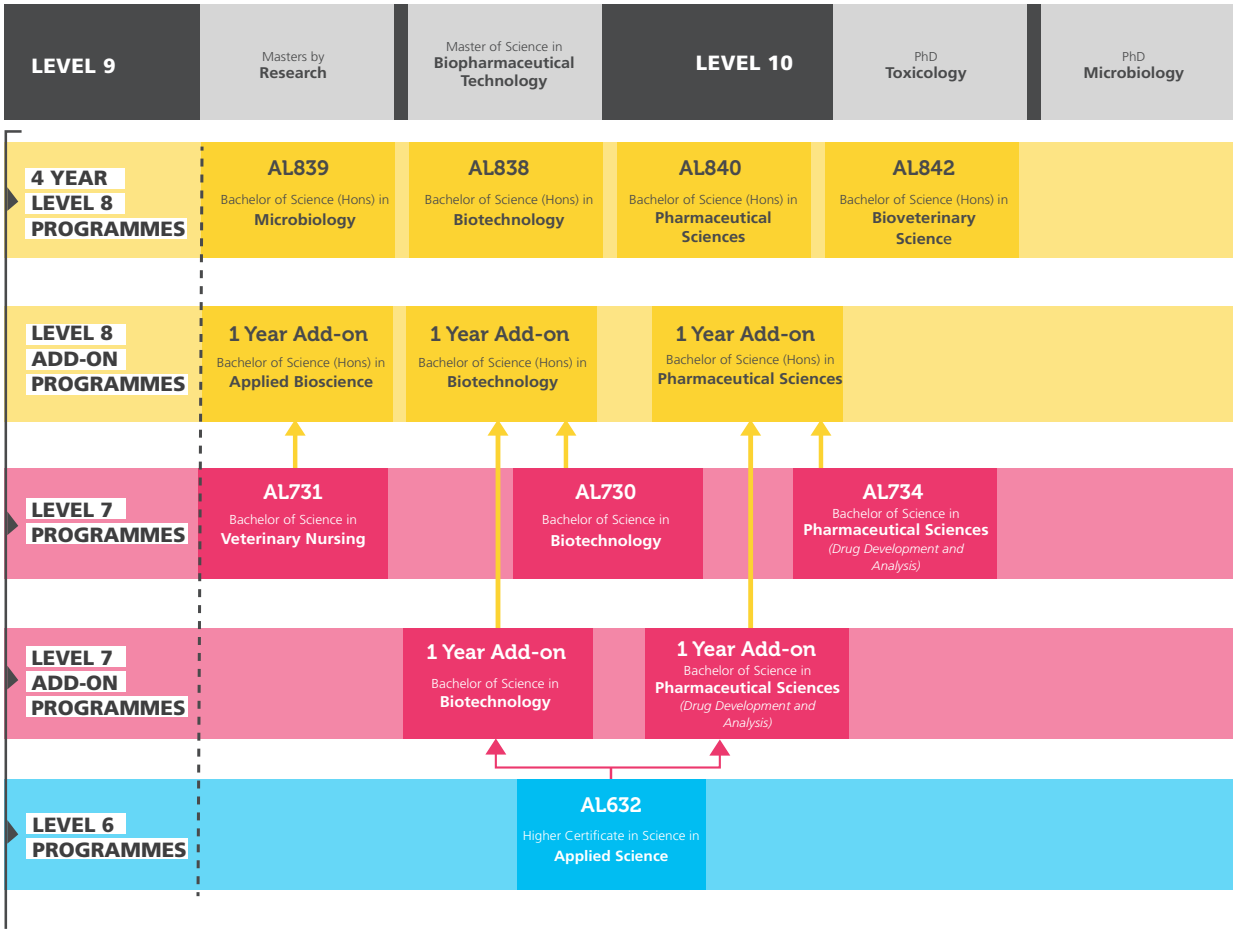
College entry

Sport & Health Sciences progression options



College entry

Life & Physical Sciences progression options



College entry

Altranas Ginearálta

General Nursing

Course Highlights


Work Placement


Further Study


Professional Accreditation

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 in Tullamore, Portlaoise and Mullingar.

What will I experience?
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 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 another third level institution. 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 to register as a nurse 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 recognised.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL830
Level - 8
Duration - 4 years

Graduate Profile

Name: Alison Fagan
Position: MSc Researcher, Department of Nursing and Health Science, AIT
Course: Bachelor of Science in General Nursing *(CAO Course Code: AL830)*

"Athlone Institute of Technology is a terrific place to study for many reasons. Its smaller class sizes means that students are on a first name basis with their peers as well as their lecturers which is immensely helpful when undertaking a demanding degree like nursing! The nursing lecturers are extremely passionate about their subject of expertise and are incredibly supportive. Work placement forms an integral component of the Bachelor of Science (Hons) in General Nursing which is a hugely beneficial and gives students an opportunity to experience a variety of work settings. Since graduating, I have worked as a R.G.N in both an acute hospital and community setting and am currently researching centenarian health and population aging as an MSc researcher in the Department of Nursing and Healthcare. I have experienced first-hand, the openness, the friendliness, support and inspiration that is abound in Athlone Institute of Technology. There is a culture here that I have yet to see anywhere else, which makes it such an exciting place to be a student - I really cannot recommend it enough. To any prospective students out there considering pursuing a career in nursing, I'd say go for it. Although challenging at times, nursing is an immensely rewarding career."

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

Cut-off CAO points:
410

Course award:
Bachelor of Science (Hons)

Department:
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). They must possess distinctions in 5 modules which must include: 5N0749, 5N4325, 5N1279 or 5N2746.

Student testimonial

"I was always interested in pursuing a career in the caring profession and nursing ticks that box! Students get an opportunity to work in the different specialist areas e.g. midwifery, psychiatry, public health, paediatrics and so much more. Studying General Nursing at AIT has provided me with a world of opportunities in terms of future career progression and education.

Caroline Lynch, Bachelor of Science (Hons) Nursing in General Nursing

Contact us

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

Altranas Síciatrach

Psychiatric Nursing

Course Highlights

Work Placement

Further Study

Professional Accreditation

Why take this course?

This four-year 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?

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.

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

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 (Hons) 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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL832
Level - 8
Duration - 4 years

Cut-off CAO points:
387

Course award:
Bachelor of Science (Hons)

Department:
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:
QQI applicants to this programme must hold one of the following awards: Nursing Studies (5M4349), Community Health Services (5M4468), Health Care Support (5M4339).

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

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

Bachelor of Science (Hons) in Nursing in Psychiatric Nursing

Altranas Síciatrach

Pharmacy Technician

Course Highlights

Work Placement *Further Study*

Why take this course?
AIT has been to the fore in developing higher education opportunities to degree level for pharmacy technicians. 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 multidisciplinary 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 organised 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 & RCSI) 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 of 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.

Industry Partners

Code - AL630
Level - 6
Duration - 2 years

Cut-off CAO points:
306

Course award:
Higher Certificate

Department:
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. Any QQI Level 5 award is acceptable. Applicants 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
"My qualification gave me a solid foundation to pursue a fulfilling career in pharmacy with one of Ireland's largest chemists, Sam McCauley. Today, I work as the Group Support Pharmacy Lead, supporting dispensary teams with everything from claims and dealing with PCRS, to providing one-on-one training to dispensary staff."
Brian Battles, Group Pharmacy Support Lead, Sam McCauley Chemists.

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

Higher Certificate in Science Pharmacy Technician

Altranas Síciatrach

Pharmacy Technician *(Add-on)*

Course Highlights

Work Placement *Further Study*

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 recognised 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 from this programme have been successful in entering pharmacy degrees (MPharm) in Ireland (UCC and RCSI) and the UK (Coleraine, Brighton, Kingston, Liverpool and Sunderland).

What will I study?
Clinical Pharmacy and 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.

Industry Partners

Sam McCauley Chemists
One Stop Health & Beauty Shops

Add-on course

Level - 7

Duration - 1 year

Course award:
Bachelor of Science

Department:
Nursing & Healthcare

Minimum entry requirements:
Higher Certificate level 6 qualification in Pharmacy Technician Studies.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"I really enjoyed the practical and interactive elements of this course."
ISSE Survey, Pharmacy Technician student

Contact us
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Email: pmurphy@ait.ie

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

Altranas Déidliachta

Dental Nursing

Course Highlights

Work Placement

Further Study

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 the college'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 multidisciplinary 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?
Graduates will find gainful employment in both general dental practices and also 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.

88%

of all 2018 graduates are employed in Ireland

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Code - AL631
Level - 6
Duration - 2 years

Cut-off CAO points:
326

Course award:
Higher Certificate in Science

Department:
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. 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/H7) and a Leaving Certificate science subject (minimum O3/H6).

Student testimonial
"Through AIT's PASS (Peer Assisted Student Support) programme, 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." ***ISSE Survey, Dental Practice Management student***

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

Higher Certificate in Science in Dental Nursing

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

Course Highlights

Work Placement *Further Study*

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 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/organisations,
- 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, dental nurses will be appropriately equipped to assist the dentist in carrying out business-related tasks. They will also be able to assist in 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.

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Add-on Course

Level - 7

Duration - 1 year

Course award:
Bachelor of Science

Department:
Nursing & Healthcare

Minimum entry requirements:
Applicants should possess an NFQ level 6 qualification in dental nursing or an equivalent level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous*

Student testimonial
"The continuous assessment aspect of the course really helped reduce the pressure I felt come exam time." ***ISSE Survey, Dental Practice Management student***

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

Síceolaíocht i bhfeidhm

Applied Psychology

Course Highlights

Work Placement

Further Study

Professional Accreditation

Why take this course?

Athlone Institute of Technology launched this new four-year honours degree programme in 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 of interest 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 postgraduate 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.

What will I experience?

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

Over 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 (Hons) in Applied Psychology offers a rich and diverse curriculum which is based on the following three areas of academic and personal development:

- Core subjects within the discipline of psychology
- Applied subjects within psychology, including their application to real-life problems
- Research skills

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.

Year 1

Introduction to Psychology,
Research 1: Introduction,
Biological Bases of Behaviour 1: Exploring the Brain,
Enhancing Academic Practice: Writing Skills,
Research 2: Descriptive Statistics and Computing,
Lifespan Development 1: Childhood and Adolescence,
Research 3: Experimental Design,
Social Psychology.

Year 2

Lifespan Development 2: Adulthood,
Research 4: Inferential Statistics and Computing,
Biological Bases of Behaviour 2: Brain, Body and Behaviour,
Organisational Behaviour,
Research 5: Qualitative Research, Personality and Individual Differences, Health Psychology,
Biological Bases of Behaviour 3: Applications and Current Issues,
Cognitive Psychology 1: Perception and Cognition.

Year 3

Research 6: Correlational and Survey Research,
Clinical Psychology,
Atypical Development,
Preparation for Semester 2 Work Placement,
Work Placement (January-June).

Year 4

Counselling Psychology,
Cognitive Psychology 2: States of Consciousness,

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Code - AL870
Level - 8
Duration - 4 years

Learning and Educational Psychology,
Applied Research 2: Project,
Contemporary Issues in Psychology,
Advanced Personality and Social Psychology.

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 long-standing relationships with service providers across a range of health and social services. it includes areas such as early years care and 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).

PSI Programme Accreditation

AIT is applying to the Psychological Society of Ireland (PSI) for accreditation of this new programme. The process of engagement with PSI began in March 2019 and will continues into 2020. PSI is scheduled to visit the Institute on at least two occasions during the academic year. The Department is confident of meeting PSI's programme approval criteria.

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

Cut-off CAO points:
409

Course award:
Bachelor of Science (Hons)

Department:
Social Sciences

Minimum entry requirements:
Leaving Certificate applicants are required achieve a Grade H5 at higher level in 2 subjects + Grade 06/H7 in four other subjects, including maths and a language (English or Irish).

QQI:
Up to three places are reserved for QQI applicants. Applicants must hold one of the following Major Awards with a minimum of 3 distinctions:
Applied Social Studies (5M2181), General Studies (5M3114), Community Health Services (5M4468).
Applicants must also achieve a pass grade in maths (C20139 or 5N1833) or LC Maths at 06/H7.

Mature applicants
Up to four places are reserved for mature applicants. Although mature applicants are not required to meet the minimum entry requirements above, an interview forms part of the selection process.

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Cleachtas Cúraim Shóisialta

Social Care Practice

Course Highlights

Work Placement

Further Study

Why take this course?

The programme prepares you to become a professional social care worker. The role involves planning and providing care in partnership with vulnerable individuals and groups of all ages, who experience marginalisation, disadvantage or who have additional needs. Social care workers work with a range of service user groups including children and adolescents in care, young people considered at risk, people with disabilities, people who are homeless, people dependent on alcohol/drugs and families in the community.

What will I experience?

On completion of this programme, you will feel confident with the knowledge and skills to provide support, empower and advocate for service users, as well as demonstrate both leadership and management capabilities. Two practice placements, amounting to a total of 800 hours, form an essential part of this four-year programme. Practice placements are undertaken in years 2 and 3. In these, you will use the knowledge, skills and approaches which are relevant to the role of a social care worker.

What job opportunities might it lead to?

Social care graduates find employment with a diverse range of employers including the HSE, Tusla (Child & Family Agency), private healthcare providers and voluntary organisations. Graduates find employment with agencies, which provide care for children and young people facing social issues and challenges. Others find roles with agencies, which provide care for individuals experiencing social inequality, unemployment or with people facing family breakdown. Graduates may choose to work with agencies, which provide care for people with intellectual disabilities.

What will I study?

Year 1

Professional Social Care Practice 1.1, Developing Academic Practice and Autonomy, Group Dynamics and Collaborative Practice, Introduction to Psychology, Fundamentals of Irish Law, Professional Social Care Practice 1.2, Principles of Sociology, Creative Approaches to Social Care 1.2, Applied Child Development Psychology.

Year 2

Professional Social Care Practice 2.1, Social Policy Perspectives, Creative Approaches to Social Care Art, Drama or Recreation 2.1, Disability: Concepts and Practice, Placement Preparation and Social Care Placement 1, Psychology of Mental Health and Mental Illness, Professional Social Care Practice 2.2, Applied Sociology, Introduction to Management, Placement Preparation 2.

Year 3

Social Care Practice Placement 2, Introduction to Research Methods for Social Care, Creative Approaches to Social Care Art, Drama or Recreation 3.2, Professional Social Care Practice 3.

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

Year 4

Professional Social Care Practice 4.1, Sociology and Social Policy, Applied Research Project, Rights Based Law, Professional Social Care Practice 4.2, Counselling and Psychotherapy, Social Care Practice Law, Disability: Promoting Citizen.
Electives: Introduction to Addiction Studies, Managing Social Care Environments, Introduction to International Development and Global Justice, Professional Practice with Older People.

Practice Placement

Completion of two practice placements (800 hours) is a mandatory part of the programme. The relationship between academic learning, the use of self and practical application is central to the programme. Students will be guided in their practice placement choice. Allocation to practice placements is based on the need to integrate theory and practice, as well as to facilitate the student's progressive learning towards independence in practice.

Language proficiency

Instruction is through the medium of English and applicants who do not have school Leaving Certificate English must provide evidence of equivalent competence by way of recognised proficiency tests in English (e.g. IELTS). Those for whom English is not their first language, but who have been resident in an English speaking country for a number of years and/or those who have completed a QQI Award, are exempt from taking a proficiency test in English.

Attendance

The BA (Hons) in Social Care Practice has a mandatory attendance policy. In order to have a clear record of attendance, class attendance records are kept. Attendance during practice placements is monitored by the agency. Before progressing to the next stage of the programme, students have to work additional hours to compensate for any absences during work placements, in order to fulfil the attendance requirement. Absences must be supported by verifying documentation.

Garda Vetting

Garda Vetting is a requirement of this programme and will comply with AIT's Student Garda Vetting Policy and Procedure: https://www.ait.ie/contact/staff/quality/policies-procedures. Students participating in the course must be vetted in accordance with the provisions of this policy. Students must complete the National Vetting form(s) in an absolutely honest and truthful manner. Students must disclose any (and all) knowledge of a criminal conviction(s) or pending prosecution(s) in Ireland or outside the jurisdiction.

Students who have resided outside of the Republic of Ireland for a period of six months or more (from the age of 18 years) shall also

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Code - AL860
Level - 8
Duration - 4 years

be required to furnish a Police Clearance Certificate from their country or countries of residence.

It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/ discovery. During the Garda Vetting Process, issues that may emerge which were not declared by the student on the initial vetting form, may result in immediate termination of participation on the programme. Offences that are disclosed through the process that are considered a serious risk to children and vulnerable persons, may also result in a student's discontinuation from the programme. The outcomes of the vetting disclosure will be shared with the placement provider.

Students cannot progress to placement unless the Garda Vetting Process is complete.

Fitness to practice

A student on the BA (Hons) in Social Care Practice must be fit to practice. The Athlone Institute of Technology Student Fitness to Practice Policy will apply to all students on this programme, with special reference to the Dept of Social Science, Social Care Addendum. Prospective students should read this policy and addendum: https://www.ait.ie/courses/AL860. Students will be required to sign off on this, acknowledging that they have read and understood this requirement.

CORU (Health and Social Care Regulatory Body)

CORU (Health and Social Care Regulatory Body) AIT has submitted a programme application for CORU approval. There is no guarantee that the programme will be approved.

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 Advanced Social Care Practice and MA in Child and Youth Studies are popular level 9 options. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.

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

Cut-off CAO oints:
310

Course award:
Bachelor of Arts (Hons)

Department:
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 programme. 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 are 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.

Student testimonial
"There is a great sense of community on campus, something that is bolstered by friendly lecturers, small class sizes and a diverse student body. Accommodation is also extremely affordable in Athlone, an important consideration when embarking on a four-year degree! I would highly recommend this course to any prospective student considering a career in social care." ***Michaela Geoghegan, Social Care Practice student***

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Bachelor of Arts (Hons) in Social Care Practice

Cúram agus Oideachas na Luathbhlianta

Early Years Care and Education

Course Highlights

Work Placement

Further Study

Why take this course?

Early years education and care is undergoing rapid change and development in recent times. This course reflects those changes and enable students to engage with the theory and practice of the provision of quality education and care for children from birth to six.

Through this course, students will learn how to support children's strengths, interests and abilities, as well as appreciate the role of the family and society in the provision of education and care in their formative years.

What will I experience?

The early years educator has a pivotal role in the provision of this quality care and education. This course introduces students to the dynamic landscape of early years education and care provision. Policy, legislation and practice are currently undergoing unprecedented change. Students will have opportunities to develop knowledge, skills and values to support the holistic development of children from birth to six years. Engagement with academic and theoretical literature, classroom simulated practice, and practice placement in early years settings will enable students to develop as reflective early years educators with abilities to articulate what children are learning, how they are learning and the pedagogic approach which underpins their knowledge.

On completion of this course, students should have developed knowledge and skills to co-construct learning experiences with children in diverse early years environments. In addition, they should have the ability to work as part of a team, assume responsibility for decision-making, and independently conduct primary and secondary research.

What job opportunities might it lead to?

The Early Years Care and 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 and 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?

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, Well-being 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.

Year 4

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.

Practice placement

Students experience the variety of the early years sector through placements in different early years settings, with age groups from birth to school going age, thus providing the opportunity to link classroom learning with work-based practice.

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. Full details of all postgraduate programmes at AIT are contained in the postgraduate prospectus.

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.

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Code - AL864
Level - 8
Duration - 4 years

Cut-off CAO points:
306

Course award:
Bachelor of Arts (Hons)

Department:
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 the minimum entry requirements. However, an interview may form part of the selection process.

QQI:
A QQI level 5 award in any discipline is acceptable. However, applicants must hold one of the following modules: 5N1370 Social Studies, 5N1279 Human Growth and Development, 5N1770 Early Care and Education Practice, 5N1773 Early Childhood Education and Play, OR 5N1786 Special Needs Assisting, and hold a Distinction grade in a minimum of three modules.

Student testimonial
"I felt extremely supported throughout my time at AIT. My lecturers provided me with the skills and knowledge of early childhood care and education which helped me better understand how to support a child's development milestones, including their physical, intellectual, language, emotional and social development"
Helen Nana Awhinawhi, Early Years Care and Education student

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For more information on our courses visit www.ait.ie/al864

Cúram agus Oideachas na Luathbhlianta

Early Years Care and Education

Course Highlights

Work Placement

Further Study

Why take this course?

The Department of Children and Youth Affairs has made a commitment to aim for a 50% graduate-led workforce in the early years sector. Over the course of the three-year ordinary degree programme, you will learn to make a difference to the lives of babies and young children by developing knowledge and skills of how they develop and learn. You will learn how to support the needs of children, to promote an inclusive, quality diverse early years setting and to understand the role of the family and society in the provision of education and care in children's formative years.

What will I experience?

The aim of the programme is to provide students with the theoretical underpinnings, hands-on experience and practical skills required to provide quality supports for a child'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 inter-professional collaboration to support the best interests of children. Our 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) 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.

Practice placement

Students will be required to undertake a work placement which will familiarise them with a variety of early years settings. This provides them with the opportunity to link classroom learning with work-based practice.

Further study

As a graduate of the level 7 programme, you 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.

WhatsApp Us

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Code - AL764
Level - 7
Duration - 3 years

Cut-off CAO points:
270

Course award:
Bachelor of Arts

Department:
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.

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

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Cúram agus Oideachas na Luathbhlianta

Early Years Care and Education *(Add-on)*

Course Highlights

Work Placement

Further Study

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 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 degree provide an 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 year's care and education field.

Successful completion will equip students to: apply advanced early years care and education knowledge, reflect as a confident and innovative educator; critically evaluate the provision of care and education for children 0-6 years, promote and support professional development of early years educators, and understand the value of research in The Early Years Care & Education (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. Other roles include that of team leader responsible for running an ECCE room and possibly after-school and 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 and 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 third-level college. The institute has initiated the process of developing a new level 9 master's in this field. 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 Years Inspectorate
- Mentoring

Additional information

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

WhatsApp Us

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Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Arts (Hons)

Department:
Social Sciences

Minimum entry requirements:
Bachelor of Arts in Early Years Care and Education level 7 or an equivalent level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"I have learned so much over the past four years. I would highly recommend this degree as it is incredibly interactive and engaging."
ISSE Student Survey, Early Years Care and Education student

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

Applied Social Studies in Social Care

Course Highlights


Work Placement


Further Study

Why take this course?
If you would like to work in a profession that provides care, protection, support, welfare and advocacy for vulnerable or dependent individuals or groups, social care will be of interest to you. Social care workers are committed to the planning and delivery of quality care and other support services in partnership with individuals and groups with identified needs. As well as protecting and advocating for individuals and groups, social care workers guide, challenge and support those entrusted to their care toward achieving their full potential.

What will I experience?
This programme offers a wide variety of learning opportunities. Students will acquire the knowledge and skills to support society's most vulnerable children or adults. We aim to deliver best practice in our teaching to support students to become competent and confident social care workers. Two practice placements (800 hours) are a central feature of the student's experience during the three year programme.

What job opportunities might it lead to?
This programme leads to a qualification which allows graduates to work as a social care worker. It will equip students to find employment in a variety of social care areas such as residential care, disability services, mental health services, family support services and homelessness services.

What will I study?
Year 1

Developing Academic Practice and Autonomy, Group Dynamics and Collaborative Practice, Contemporary Social Care Practice 1.1, Introduction to Sociology, An Introduction to Law, Contemporary Social Care Practice 1.2, Developmental Psychology, Disability: Models and Practice, Interactional Approaches to Social Care 1.2, Family and Human Rights Law.

Year 2

Contemporary Social Care Practice 2, Atypical Child and Adolescent Development, Child Law, Mental Health, Management Theory and Practice, Interactional Approaches to Social Care Art, Drama or Recreation 2.1, Counselling Skills, Disability: Promoting Inclusion, Professional Liability, Placement Preparation and Social Care Placement 1.

Year 3

Contemporary Social Care Practice 3, Introduction to Research Methods for Social Care, Interactional Approaches to Social Care Art, Drama or Recreation 3.1, Sociology and Social Policy Perspectives, Placement Preparation 2, Applied Social Care Placement 2.

Practice placement
Students will be required to complete two periods of practice placements (800 hours) during the programme. Students will be guided in their practice placement choice. Allocation to practice placements is based on the need to integrate theory and practice, as well as to facilitate the student's progressive learning towards independence in practice.

Language proficiency
Instruction is through the medium of English and applicants who do not have Leaving Certificate English must provide evidence of equivalent competence by way of recognised proficiency tests in English (e.g. IELTS). Those for whom English is not their first language, but who have been resident in an English speaking country for a number of years and/or those who have completed a QQI Award, are exempt from taking a proficiency test in English.

Garda Vetting
Garda Vetting is a requirement of this programme and will comply with AIT's Student Garda Vetting Policy and Procedure: https://www.ait.ie/contact/staff/quality/policies-procedures#. Students participating in the course must be vetted in accordance with the provisions of this policy. Students must complete the National Vetting form(s) in an absolutely honest and truthful manner. Students must disclose any (and all) knowledge of a criminal conviction(s) or pending prosecution(s) in Ireland or outside the jurisdiction.

Students who have resided outside of the Republic of Ireland for a period of six months or more (from the age of 18 years) shall also be required to furnish a Police Clearance Certificate from their country or countries of residence.

It is important to note that participation in or completion of this programme may be affected by subsequent disclosure/discovery. During the Garda Vetting Process, issues that may emerge which were not declared by the student on the initial vetting form, may result in immediate termination of participation on the programme. Offences that are disclosed through the process that are considered a serious risk to children and vulnerable persons, may also result in a student's discontinuation from the programme. The outcomes of the vetting disclosure will be shared with the placement provider.

Students cannot progress to placement unless the Garda Vetting Process is complete.

Fitness to practice
A student on the BA in Applied Social Studies in Social Care must be fit to practice. The Athlone Institute of Technology Student Fitness to Practice Policy will apply to all students on this programme, with special reference to the Dept of Social Science,

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Code - AL765
Level - 7
Duration - 3 years

Social Care Addendum. Prospective students should read this policy and addendum: https://www.ait.ie/courses/AL765. Students will be required to sign off on this, acknowledging that they have read and understood this requirement.

CORU (Health and Social Care Regulatory Body)

CORU (Health and Social Care Regulatory Body) AIT has submitted a programme application for CORU approval. There is no guarantee that the programme will be approved.

Further study

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

Faculty Profile

Dr Teresa Brown is a social care worker currently lecturing on social care undergraduate degree and MA programmes in Athlone Institute of Technology. She has extensive experience working as a social care worker in Northern Ireland, Ireland and Romania. She has practised in the areas of residential care, secure care and child protection/family support. Dr Brown completed her Doctorate in Queens University Belfast. Her thesis was entitled: 'Hear Our Voice: Residential Workers Views of Effective Relationship-based Practice'. Her teaching and research interests are in the areas of youth at risk, relationship-based practice and empirical studies that include the 'voice' of the social care worker and the service user.

Attendance

The BA in Applied Social Studies in Social Care has a mandatory attendance policy. In order to have a clear record of attendance, class attendance records are kept. Attendance during practice placements is monitored by the agency. Before progressing to the next stage of the programme, students have to work additional hours to compensate for any absences during work placements, in order to fulfil the attendance requirement. Absences must be supported by verifying documentation.

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

Cut-off CAO points:
281

Course award:
Bachelor of Arts

Department:
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 requirements for entry to this programme.

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 are 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).

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Applied Social Studies in Social Care *(Add-on)*

Course Highlights

Further Study

Why take this course?
This one-year add-on programme encourages and promotes the professional and personal development of students. Your ability to conceptualise, draw conclusions based on a rigorous, analytical assessment of situations, and communicate effectively as part of a team will be enhanced. This degree will equip you with advanced levels of knowledge and skills appropriate to employment in the sector. You will be able to discriminate between alternative management strategies and practices in social care work.

What will I experience?
You will 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, including: residential child care, disability sector, youth community and family support services, people who are homeless, Travellers, people who are drug or alcohol dependent, and older people. It is also a recognised 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 and 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.

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Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Arts

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"In 2013, my whole world turned upside down; I was diagnosed with ulcerative colitis. As an early school leaver with no qualifications and no longer fit for the building sites I'd worked on in my 20's and 30's, I found myself in a quandary. I was the first of my friends and family to return to education and while it wasn't an easy decision, I haven't regretted a second of it. I enrolled in a PLC course before applying to Athlone Institute of Technology to study for a Bachelor of Arts (Hons) in Applied Social Studies. I can honestly say, returning to education and pursing this qualification has been one of the most fulfilling experiences of my life – something that I wish I'd done years ago."
Sean Kilmurray, Bachelor of Arts (Hons) in Applied Social Studies (Social Care) (Add-on)

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Cothú agus Eolaíocht Sláinte

Nutrition and Health Science

Course Highlights

Work Placement

Further Study

Why take this course?

This BSc (Hons) in Nutrition and Health Science 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 Nutrition and Health Science 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.

This degree aligns perfectly with national and interational 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 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.

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.

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, 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, Public Health Nutrition and Behavioual Change, 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.

Placement profile:

"My placement included shadowing the senior dietitians; calorie posting, auditing, presenting, attending and chairing meetings and engaging in health promotion activities".
Owen, Peamount Hospital.

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Code - AL836
Level - 8
Duration - 4 years

Further study

Completion of the BSc (Hons) Nutrition and Health Science does not qualify the graduate to practice as a Dietitian. However, on completion of the BSc (Hons) Nutrition and Health Science Degree, students can undertake postgraduate studies to obtain their dietetic qualification. In addition, many graduates go on to complete MSc (level 9) or PhD (level 10) in the areas of nutrition and health.

National Vetting Bureau

In order to safeguard the rights and interests of children and vulnerable adults, students registering on the BSc (Hons) in Nutrition and Health Science programme will be required to obtain garda clearance through the National Vetting Bureau.

Cut-off CAO points:
352

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in 5N1833 or 5N0556 or Leaving Certificate Maths at O6/H7.

All international applicants must have an average IELTS score of 6.5 with no individual component below 6.0.

Student testimonial
"Nutrition is growing in popularity around the world. There is and will always be a high demand for nutritionists and dietitians. Athlone Institute of Technology is one of the few places in Ireland that offers Nutrition and Health Science. Being an athlete, its excellent sports facilities made it an ideal place to attend college. If you enjoy sports, health, food or enjoyed home economics, biology and chemistry at school, I would highly recommend this course." ***Amy McTeggart Bachelor of Science (Hons) in Nutrition and Health Science***

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

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

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Sports Science with Exercise Physiology

Course Highlights

Work Placement

Further Study

Why take this course?

AIT's modern state-of-the-art sports science equipment and facilities makes studying sports science here different from other colleges. AIT places an emphasis on practical development and 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 equips 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).

Work placement

Possible placements include: Cycling Ireland, Athletics Ireland, DCU Medex, FAI, Ipswich Town FC and Connacht GAA.

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Code - AL837
Level - 8
Duration - 4 years

Placement profile

"My placement with Cycling Ireland included training and testing top junior athletes during a six-week training camp in Mallorca for Europeans and subsequent world championships." Thomas Fallon, Graduate.

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 disciplines. 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.

National vetting bureau

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 programme will be required to obtain garda clearance through the National Vetting Bureau.

Student Profile

Name: Thomas Fallon
Course: Bachelor of Science (Hons) in Sports Science with Exercise Physiology

"I was looking for a college that would be able to accommodate both my sporting and academic needs and Athlone Institute of Technology, with its sterling sporting reputation, state-of-the-art facilities and Elite Sports Scholarship programme, ticked all of those boxes. I found the theoretical aspects of my degree fascinating, especially when applying it in a controlled lab setting. Students are given a comprehensive grounding in sports science through a variety of taught modules and will quickly become familiar with all areas related to human body with a special emphasis placed on sporting performance. Lecturers place a strong emphasis on applied knowledge and learning, something that really stands to students when they graduate."

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

Cut-off CAO points:
351

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in 5N1833 or 5N0556 or Leaving Certificate Maths at O6/H7.

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Staff Profiles

Dr Aoife Lane, Head of Department of Sport and Health Sciences
Dr Aoife Lane is head of Department of Sport and Health Science at AIT and founder of the Women's Gaelic Players Association. Aoife completed the BSc in Sport and Exercise Science in University of Limerick before undertaking a Master in Health Promotion at NUI Galway and a PhD in Physical Activity in Irish Women at WIT. Aoife has lectured in Physical Activity and Health, Research Methods, Statistics, Epidemiology, and GAA Coaching. Aoife is a member of the Galway GAA Health and Wellbeing Committee and is a Connacht representative on the National GAA Health and Wellbeing group.

Dr Ciarán Ó Catháin, Lecturer in Sports Science and Exercise Physiology
Dr Ciarán Ó Catháin is a lecturer in Sports Science. He also lectures in the areas of Biomechanics, Strength and Conditioning, and Research Methods. Dr Ó Catháin's PhD developed novel technology that provides real-time biofeedback to runners and allows them to intuitively adapt their running style to reduce the risk of developing overuse running injuries. Ciarán's primary research interests focus on a multidisciplinary approach to improving sporting performance and reducing injury risk. This involves bringing together disciplines such as biomechanics, exercise physiology, nutrition, and software engineering to provide a more holistic understanding of the underlying mechanisms that can be targeted to improving athletic performance.

Lynn Allen, Lecturer in Athletic Rehabilitation Therapy
Lynn Allen is a lecturer on the Athletic Rehabilitation Therapy course in AIT. Ms Allen lectures in Anatomy and Musculoskeletal Injuries of the Lower Limb. Lynn is an accredited member of ARTI (Athletic Rehabilitation Therapy Ireland), which is the governing body for Athletic Therapy in Ireland. Her research interests have been in Core Stability and Myofascial Release. She has supervised many 4th year dissertations students in these research fields over the past four years in AIT.

Dr Kieran Dowd, Lecturer in Physical Activity and Health Science
Dr Kieran Dowd is a lecturer in Physical Activity and Health Science in Athlone Institute of Technology, and lectures in the areas of physical activity, sedentary behaviour and health, activity behaviour measurement and determinants of physical activity and sedentary behaviour. Dr Dowd's PhD research focused on developing accurate and effective methods of examining physical activity and sedentary behaviours using accelerometry (activPAL). This research involved evaluating and examining the effect of specific activity behaviours on indices of health in Irish adolescents. The analysis methodologies developed by Kieran continue to be used to examine activity data across Europe and around the world, while the findings from his research have be used in the development of national physical activity reports. Dr Dowd is also a member of the national steering group for the 'Report Card on Physical Activity in Ireland.

Dr Patricia Heavey, Lecturer in Health Science and Nutrition
Dr Patricia Heavey is lecturer on the BSc (Hons) Health Science and Nutrition degree at AIT. She lectures in the areas of nutrition, diet, health promotion and public health. Dr Heavey completed her undergraduate studies at the University of Ulster, where she also obtained her PhD. Dr Heavey is an experienced researcher and contributes to various governmental and non-governmental bodies. This is delivered through reports, position papers, book chapters, research projects and also by supporting various groups and committees. Dr Heavey is an experienced researcher and has extensive experience of working with health professionals, lecturing and presenting talks to the scientific community and consumers. More recently, Dr Heavey was appointed Chair of the Association for Health Promotion in Ireland.

Graduate Profile

Name: Kiera Ward

Course: Bachelor of Science (Hons) in Sports Science with Exercise Physiology

Why did you choose AIT?

You are more than just a number here. The college has cultivated a highly supportive environment campus-wide for all students, both in terms of academic learning and personal development. Small class sizes mean that everyone gets an individualised attention and has the opportunity to ask questions and learn in an engaging environment.

There is a wealth of student services available on campus and a wide choice of clubs and societies to choose from, including the International Society, GAA, basketball and soccer. Every student is encouraged to participate. AIT is small in comparison to some of its larger university counterparts which can make it easier for students to make friends and to get to know their lecturers on a first name basis. You'll always have someone to assist you no matter what your problem may be. Accommodation in Athlone is significantly cheaper than Galway or Dublin and is well connected by public and private transport links to the rest of the country.

Tell me about your specific course. What led you to choose it?

The BSc (Hons) in Sports Science with Exercise Physiology encompasses a wide range of modules, such as Physiology, Performance Analysis, Special Populations and Psychology, to ensure all students become well-rounded practitioners, whether their primary interest is promoting and prescribing physical activity for health and well-being or manipulating scientific principles to optimise sports performance in high-performance athletes. This programme gives students ample opportunity to explore all possible sports-related careers. The course contains both practical and academic elements which complement each other and offer students a holistic experience. Students can also avail of AIT's excellent facilities, particularly the excellent International Sports Arena whilst maximising their sports science-related skills and experience. I would recommend this course to anyone with an interest in sport, exercise or physical health.

Did this course prepare you for life after college or further studies?

Absolutely. Following the completion of my undergraduate degree, I chose to continue to postgraduate education and am currently undergoing a PhD in Physiology and Metabolic Health. My primary degree furnished me with the skills and knowledge necessary to pursue my current research. Throughout my undergrad, I explored the diversity of sports science in modules and practical classes of physiology, clinical health, performance analysis and exercise testing. I also gained experience in modules necessary to the research process such as data handling and statistics and research methods and in working as part of a team during my numerous group work projects and group and individual presentations. The latter of which taught me invaluable interpersonal skills such as the ability to work individually and as part of a team, and the confidence to speak in front of an audience.

Did you go on placement?

I was given the opportunity to work on an EU FP7 funded research study known as DEXLIFE. This large collaborative study was conducted with the aim of determining the mechanisms of prevention of type 2 diabetes by lifestyle intervention (diet and exercise) in subjects with pre-diabetes or at high risk for progression. As part of a multidisciplinary research team, I assisted with the running of all physiological tests including exercise stress tests and whole-body scanning for body composition using the dual-energy x-ray absorptiometry (DEXA), as well as scheduling participants for the tests, organising equipment specific for all tests as well as conducting analysis of samples and compiling data into the global database.

Finally, what advice would you give to other students interested in pursuing your course?

If you are interested in pursuing a career in sport, especially if you are undecided which specific career path you would like to follow, the BSc (Hons) in Sports Science with Exercise Physiology at AIT is for you! Just be mindful, first year modules involve studying broad science topics such as chemistry and biology, however these are building blocks for your understanding of more specific and applied sports science modules in years 2, 3 and 4.

Teiripe agus Athshlánú Lúthchleasach

Athletic and Rehabilitation Therapy

Course Highlights

Work Placement

Further Study

Professional Accreditation

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: 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. Pre-hospital Emergency Care Council of Ireland (PHECC) approved first aid courses are embedded into the programme. 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, 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, Medical Conditions in Sport, 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. This includes many opportunities to spend this time working in the US, alongside Athletic and Rehabiltation Therapists.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL841
Level - 8
Duration - 4 years

Placement profile

"My duties include working with the college American Football team; at trainings, matches in a clinic-based environment with the team. I enjoyed working in a hands-on manner with lots of different professionals."
Zoe Hamilton, Northwestern University, Illinois, USA

Further study

Following graduation, students can transfer to a wide range of postgraduate courses at both MSc and PhD level, 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.

Professional Accreditation

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 National Vetting Bureau.

Graduate testimonial

"My day includes covering training sessions in the morning, working with clients in the afternoon and evening. My placement with college teams and student-led clinics really helped me develop my skills and prepare me for the world of work." **Ronan Coyle, sports injury clinic owner**

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

Cut-off CAO points:
423

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in 5N1833 or 5N0556 or Leaving Certificate Maths at O6/H7.

Industry testimonial

"ARTI is part of a larger global organisation called World Federation of Athletic Trainers and Therapies (WFATT), comprising of organisations from the USA, National Athletic Trainers' Association (NATA); and Canada, Canadian Athletic Therapists Association (CATA), amongst others. This mutual recognition programme affords an AIT student, once graduated and an ARTI member, to take the respective entrance exams and work as an athletic therapist in that state or country."
Richie Walsh, Secretary ARTI

Contact us

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Gníomhaíocht Choirp agus Sláinte

Physical Activity and Health Science

Course Highlights

Work Placement

Further Study

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, dieticians, 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 co-ordinators/physical activity and health coach for employees, potential employment within hospitals/primary care centres as physical activity and health intervention co-ordinators, community wellness programme co-ordinator, lifestyle manager, health promotion consultant/policy officer (both public and private sectors, NGOs – e.g. principal officer – Department of Health and Children), physical activity co-ordinator/administrator (within the HSE or other bodies), health promotion officer – charitable trusts and voluntary organisations – The Irish Heart Foundation, sports development officer (e.g., within local sports partnerships or sporting organisations), exercise and physical activity co-ordinator for active retirement groups, youth services/clubs exercise and physical activity programme co-ordinator, special needs physical activity programme co-ordinator, 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 six-month placement between early January and late June which amount to approximately 35 hours per week.

Further study

Graduates can transfer to a wide range of postgraduate programmes at both MSc and PhD levels, 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.

National Vetting Bureau

In order to safeguard the rights and interests of children and vulnerable adults, students registering on the BSc (Hons) in Physical Activity and Health Science programme will be required to obtain garda clearance through the National Vetting Bureau.

WhatsApp Us

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Code - AL843

Level - 8

Duration - 4 years

Cut-off CAO points:
310

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in 5N1833 or 5N0556 or Leaving Certificate Maths at O6/H7.

Lecturer testimonial

"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

Contact us

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

Bachelor of Science (Hons) in Physical Activity and Health Science

Cleachtadh agus Eolaíocht Sláinte

Exercise and Health Science

Course Highlights

Work Placement

Further Study

Why take this course?

This programme is designed to produce specialists in behaviour change across all aspects of health but most specifically in exercise/physical activity and nutrition. Across Ireland and worldwide, many people have poor lifestyles and are at risk of developing ill health. A lack of physical activity and poor dietary habits are risk factors for chronic disease but equally these are entirely modifiable behaviours. This programme focuses on developing graduates who can promote the adoption of healthier lifestyle habits through effective, sustainable and multilayered interventions. This is a unique programme for those interested in exercise prescription, exercise rehabilitation, nutrition, health promotion and public health. The programme includes a 24-week practical work placement where students will gain applied experience in a variety of real world settings, reflective of potential job opportunities.

What will I experience?

This programme will include contributions from physical activity, nutrition, sports science and behaviour change specialists. students will learn in small class groups ensuring greater access to equipment and training and applied experience of knowledge generated. Students will also be transitioned into the requirements of education at third level and their generic skills will be developed throughout the programme to support greater employability.

What job opportunities might it lead to?

Studying exercise and health science will provide students with the appropriate qualifications for many career options, all requiring an expertise to help people, at an individual, community and population level to make favourable lifestyle changes. This may include working as an exercise rehabilitation specialist, a physical activity/sports promotion or development officer, a physical activity/health promotion specialists in the HSE, a wellness professional, working with general community groups/ organisations as well as with specialist populations such as youth groups, socially disadvantaged/minority groups, older adults and disability groups. Graduates will also be eligible to pursue further study at an undergraduate and postgraduate level.

What will I study?

Year 1

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

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.

Work placement

Students will experience a 24-week placement during year 3 of the programme in a setting reflective of course content and job opportunities.

Further study

Students can progress in to year 4 of the BSc (Hons) in Physical Activity and Health Science subject to meeting defined progression criteria. This will facilitate progression to master's/ PhD programmes across a variety of disciplines, including sports science, nutrition, weight management, behaviour change, health promotion as well as broader, bespoke research projects.

National Vetting Bureau

In order to safeguard the rights and interests of children and vulnerable groups, students registered to the exercise and health science programme will be required to obtain garda clearance through the National Vetting Bureau.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL740
Level - 7
Duration - 3 years

Cut-off CAO points:
302

Course award:
Bachelor of Science

Department:
Sport and Health Sciences

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 award is acceptable. Applicants are required however to have the module Mathematics (5N1833) included in their award or alternatively have LC Mathematics at minimum O6/H7.

For more information on our courses visit www.ait.ie/al740

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Dr Kieran Dowd
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Bachelor of Science in Exercise and Health Science

Eolaíocht Fheidhmeach

Applied Science

Course Highlights

Further Study

Why take this course?

The Higher Certificate in Applied Science 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 Applied Science students will gain valuable hands-on experience in the laboratory as well being able to explore their scientific interests. Graduates can progress to one of two ordinary degrees, namely: biotechnology, pharmaceutical sciences. A number of AIT graduates who started out on this route have progressed to master's 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 Pharmaceutical Sciences

Additionally, there are add-on level 7 degree programmes in biotechnology and pharmaceutical sciences for level 6 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

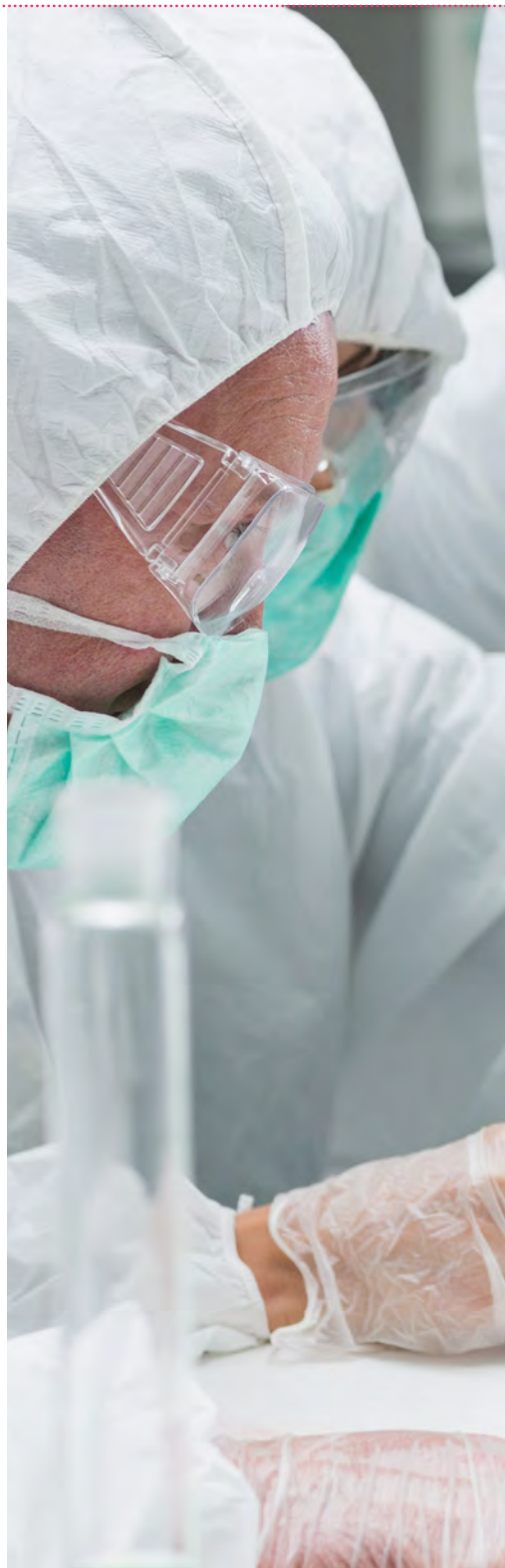
Chemistry, Biology, Physics, Mathematics for Scientists, Learning and Development for Higher Education, Information Technology for Scientists, Scientific Computing, Current Scientific Issues through Enquiry-Based Learning.

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 progress to level 7 programmes, opportunities for science technicians exist in research, industry, educational institutions and government agencies.



Industry Partners

ALMAC

ALEXION

Abbott

Code - AL632

Level - 6

Duration - 2 years

Cut-off CAO points:
243

Course award:
Higher Certificate in Science

Department:
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 are required however to have the module Mathematics (5N1833) included in their award or alternatively have LC 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, Applied Science student***

For more information on our courses visit www.ait.ie/al632

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Biteicneolaíocht

Biotechnology

Course Highlights

Further Study

Why take this course?

Biotechnology explores biological systems (cells and organisms) to discover new ways to benefit humankind 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, agri-business, 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.

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.

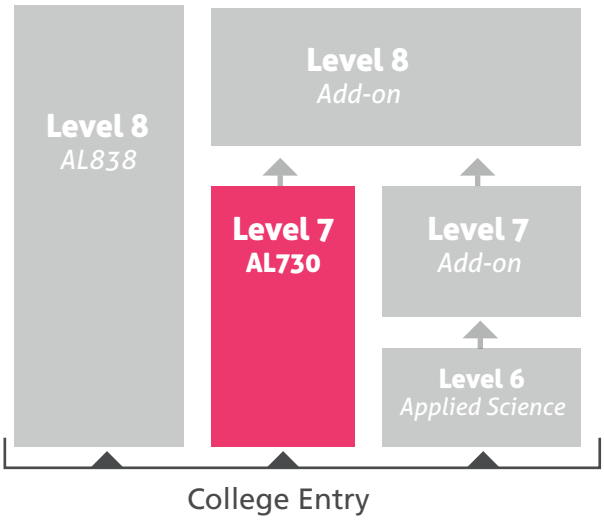
Level 8 graduates can thereafter progress to postgraduate studies including level 9 master's degree (taught or by research), level 10 PhD degree or Higher Diploma in Education (2nd level teaching – science and biology). Following completion of this course, you can pursue a level 8 honours degree in biotechnology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

Industry Partners

ALMAC
ALEXION

Code - AL730
Level - 7
Duration - 3 years

Progression table



Cut-off CAO points:
206

Course award:
Bachelor of Science

Department:
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 are required however to have the module Mathematics (5N1833) included in their award or alternatively have LC Mathematics at minimum O6/H7.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Graduate 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. I continued my education to postgraduate level and completed a Master in Polymer Engineering." ***Gosia Poplawska, BS. MSc Abbott Diagnostics***

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

Contact us
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Bachelor of Science in Biotechnology

Biteicneolaíocht

Biotechnology

Course Highlights

Further Study

Why take this course?

Biotechnology is the manipulation of living organisms, cells, genes or molecules to develop services and products that benefit humankind 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 specialised 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.

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

Further study

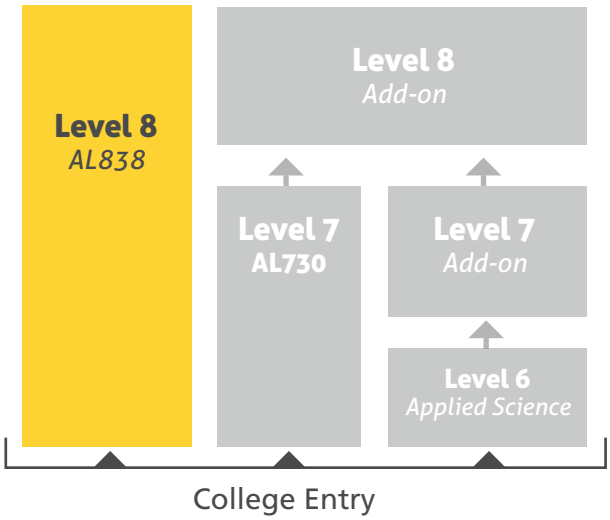
Graduates of the level 8 BSc (Hons) in Biotechnology (AL838) can progress to postgraduate studies, including level 9 master's degree (taught or by research), level 10 PhD degree, or Higher Diploma in Education (2nd level teaching - science and biology).

Industry Partners

ALMAC ALEXION

Code - AL838
Level - 8
Duration - 4 years

Progression table



Cut-off CAO points:
303

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in C20139 or 5N1833 or C20174 or C2017 or Leaving Certificate Maths at O6/H7.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

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

Graduate testimonial
"I am working as an associate QA Specialist. This course prepared me for work in a lab as well as tasks outside the lab. Year 4 introduced me to validation, regulatory and quality assurance which are fundamental to success in industry."
Hayley Gannon, BSc PPD, Athlone (Graduated 2014)

Contact us
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Department of Life & Physical Sciences
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Email: deardly@ait.ie

Biteicneolaíocht

Biotechnology

Course Highlights

Further Study

Why take this course?

Biotechnology explores biological systems (cells and organisms) to discover new ways to benefit humankind 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, agri-business, 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 technical, manufacturing technologist, biochemist analytical scientist, microbiologist and process engineer.

What will I study?

Year 3 Molecular Biology, Environmental Biotechnology, Advanced Cell Biology, Genetic Engineering, Forensic Science, Quality Control and Experimental Design, Bioethics, Occupational Regulatory Affairs.

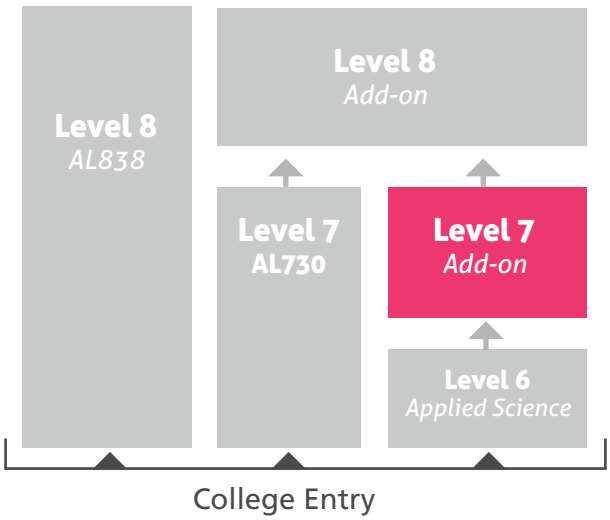
Entry routes to Biotechnology

Level 6 – Higher Certificate in Applied Science. (see AL632). Students commence their studies at Year 3 of AL730

Further study

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

Progression table



Industry Partners

ALMAC

ALEXION

Add-on course

Level - 7

Duration - 1 year

Course award:
Bachelor of Science

Department:
Life & Physical Sciences

Minimum entry requirements:
Higher Certificate in Science

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Graduate 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. I continued my education to postgraduate level and completed a Master in Polymer Engineering." ***Gosia Poplawska, BSc, MSc, Abbott Diagnostics***

Contact us

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Email: ncommins@ait.ie

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

Biteicneolaíocht

Biotechnology

Course Highlights

Further Study

Why take this course?

Biotechnology explores biological systems (cells and organisms) to discover new ways to benefit humankind 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, agri-business, 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 technical, manufacturing technologist, biochemist analytical scientist, microbiologist and process engineer.

What will I study?

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

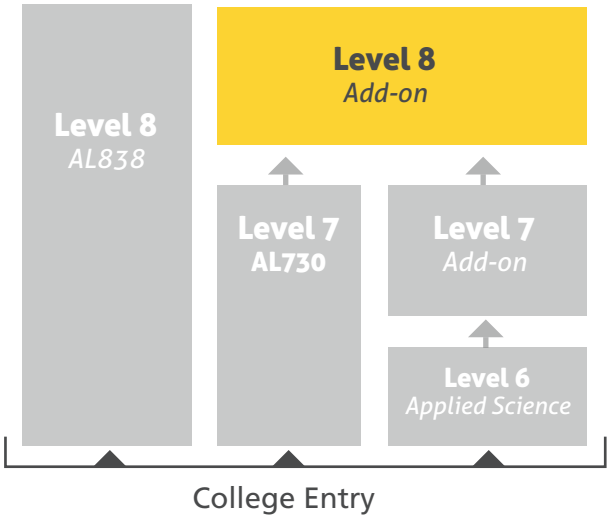
Entry routes to Biotechnology

Level 7 – BSc in Biotechnology (AL730). Students commence their studies at year 4 of AL838.

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.

Progression table



Industry Partners

ALMAC

ALEXION

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Life & Physical Sciences

Minimum entry requirements:
BSc in Biotechnology or other equivalent level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Graduate 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. I continued my education to postgraduate level and completed a Master in Polymer Engineering." ***Gosia Poplawska, BS, MSc, Abbott Diagnostics***

Contact us

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Email: ncommins@ait.ie

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

Micribitheolaíocht

Microbiology

Course Highlights

Work Placement

Further Study

Only dedicated Microbiology degree nationally

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

Industry Partners

Code - AL839
Level - 8
Duration - 4 years

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 MSc in Biopharmaceutical Technology.

Cut-off CAO points:
322

Course award:
Bachelor of Science (Hons)

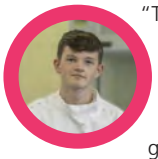
Department:
Life & Physical Sciences

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:
Any major QQI award with three distinctions and a pass in C20139 or 5N1833 or C20174 or C2017 or Leaving Certificate Maths at O6/H7.

Student Profile

Name: Kevin Temple
Course: Bachelor of Science (Hons) in Microbiology



"The course uses enquiry-based learning to prepare you for a career in health microbiology, food microbiology and quality control. In third year, you'll get an opportunity to go out on placement gaining real-world experience in the field, something that will stand to you when finding gainful employment as a graduate. This degree was created in response to a skills gap in industry and, as such, is producing the kind of highly specialised graduates that employers are crying out for. The emphasis on this and practical lab work means that my classmates and I are better prepared for life after graduation than many of our university-educated peers, who focus solely on the theoretical aspect of microbiology."

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

Contact us
Dr Andy Fogarty
Department of Life & Physical Sciences
Tel: +353 (0)90 6471861
Email: afogarty@ait.ie

Eolas Cógaisíocht

Pharmaceutical Sciences

(*Drug Development and Analysis*)

Course Highlights

Further Study

Why take this course?

This course provides the essential information and skills required for employment in the modern pharmaceutical sector. Students 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 students 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.

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.

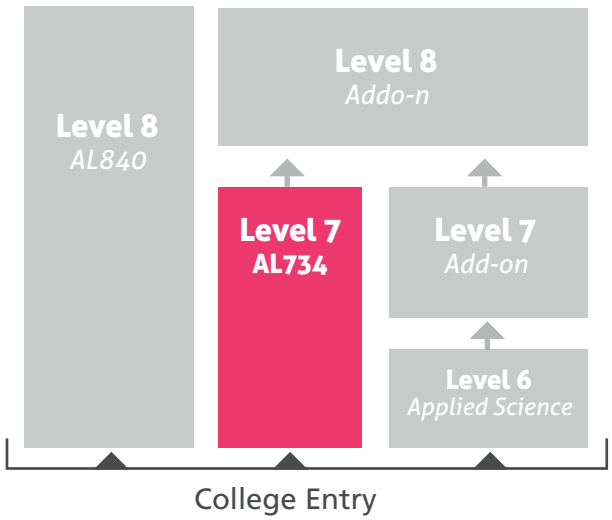
Year 2

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.

Progression table



Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Industry Partners

Abbott ALMAC

Code - AL734
Level - 7
Duration - 3 years

Cut-off CAO points:
225

Course award:
Bachelor of Science

Department:
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 are required however to have the module Mathematics (5N1833) included in their award or alternatively have LC 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, Diagnostic Technologist, Abbott Ireland

Contact us
Jim Roche
Department of Life & Physical Sciences
Tel: +353 (0)90 6468087
Email: jroche@ait.ie

For more information on our courses visit www.ait.ie/al734

Bachelor of Science in Pharmaceutical Sciences (Drug Development and Analysis)

Eolas Cógaisíocht

Pharmaceutical Sciences

Course Highlights


Work Placement


Further Study


Professional Accreditation

Why take this course?

This unique APS accredited 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 minimise toxicity and optimise 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 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 hub 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 characterisation. 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 authorisation 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, Co-ordination 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 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.

Industry Partners

Abbott ALMAC

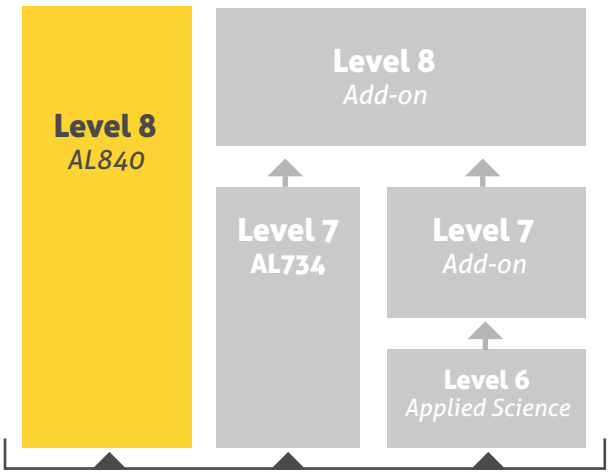
Code - AL840

Level - 8

Duration - 4 years

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

Progression table



apsgb.org

Athlone Institute of Technology is the first Higher Education Institute nationally and the second globally to receive accreditation from the Academy of Pharmaceutical Sciences (APS), an esteemed UK-based professional membership body for Pharmaceutical Scientists.

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

Cut-off CAO points:
328

Course award:
Bachelor of Science (Hons)

Department:
Life & Physical Sciences

Minimum entry requirements:
Any QQI Level 5 award is acceptable. Distinction grade in minimum three modules. Applicants are required however to have the module Mathematics (5N1833) included in their award or alternatively have LC Mathematics at minimum O6/H7.

QQI:
Any QQI Level 5 award is acceptable. Distinction grade in minimum three modules. Applicants are required however to have the module Mathematics (5N1833) included in their award or alternatively have Leaving Certificate Mathematics at minimum O6/H7.

Graduate testimonial
"This course gave me a very solid foundation in the many aspects of chemistry, which allowed me to successfully complete a PhD in the area of natural product chemistry."
Michelle Tierney, PhD, Co-Lead Symphysis Medical

Contact us
Jim Roche
Department of Life & Physical Sciences
Tel: +353 (0)90 6468087
Email: jroche@ait.ie

Eolas Cógaisíocht

Pharmaceutical Sciences

(*Drug Development and Analysis*)

Course Highlights

Further Study

Why take this course?

This course provides the essential information and skills required for employment in the modern pharmaceutical sector. Students 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 form other disciplines.

What will I experience?

This one-year, add-on degree programme provides an integrated, co-ordinated and comprehensive education in pharmaceutical science 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.

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?

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

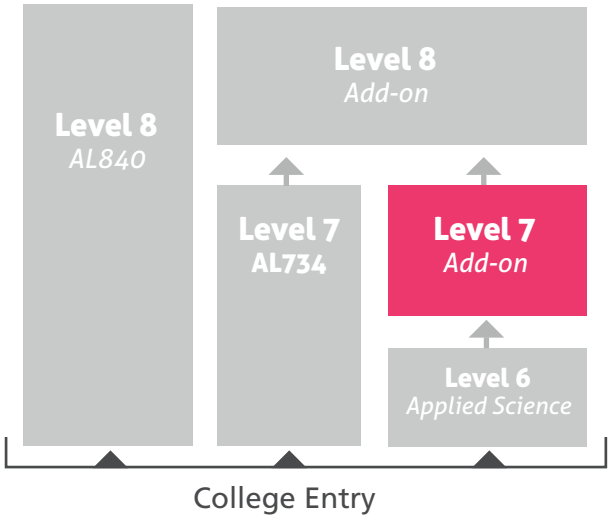
Level 6 – Higher Certificate in Applied Science (AL632) or equivalent qualification received from another 3rd level Institution.

Students commence their studies at Year 3 of AL734.

Further Study

Students can progress to the level 8 BSc (Hons) in Pharmaceutical Sciences (AL840).

Progression table



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Course Interactive Open Day

Saturday 25 April 2020

Industry Partners

Abbott ALMAC

Add-on course

Level - 7

Duration - 1 year

Course award:
Bachelor of Science

Department:
Life & Physical Sciences

Minimum entry requirements:
Higher Certificate in Applied Science (AL632) or equivalent qualification received from another 3rd level Institution.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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, Diagnostic Technologist, Abbott Ireland

Contact us
Dr Nuala Commins
Head of Department of Life & Physical Sciences
Tel: +353 (0)90 6468081
Email: ncommins@ait.ie

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

Eolas Cógaisíocht

Pharmaceutical Sciences

Course Highlights

Further Study

Why take this course?

This course provides the essential information and skills required for employment in the modern pharmaceutical sector. Students 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 form other disciplines.

What will I experience?

This one-year, add-on honours degree programme provides an integrated, co-ordinated and comprehensive education in pharmaceutical science 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.

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?

Project Theory & Practice, Contemporary Issues in Pharmaceutical Sciences, Pharmaceutical Regulatory Affairs, Pharmacology, Metals in Medicine, API Discovery & Development, Bio-Analytical Techniques in Therapeutics, Pharmaceutical Technology.

Entry Routes to Pharmaceutical Sciences

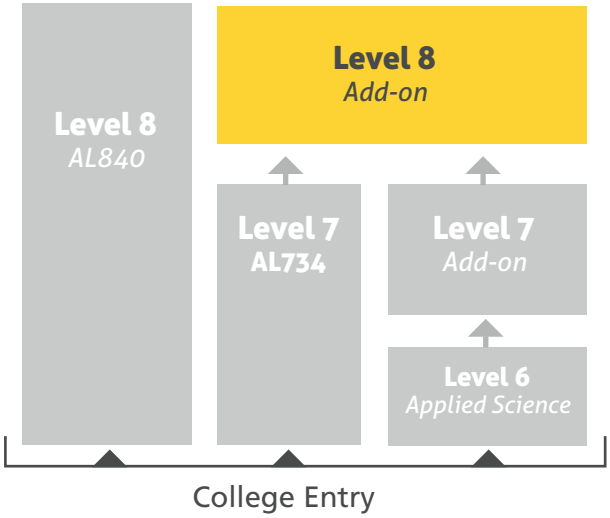
Level 7 – BSc in Pharmaceutical Sciences (AL734) or equivalent Level 7 qualification received from another 3rd level Institution.

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

Further Study

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

Progression table



Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Industry Partners

Abbott ALMAC

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Life & Physical Sciences

Minimum entry requirements:
Bachelor of Science level 7

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Graduate testimonial
"This is a challenging but rewarding course and the skills developed means the student has confidence when entering the work place."
Aine Heslin, Diagnostic Technologist, Abbott Ireland

Contact us
Dr Nuala Commins
Head of Department of Life & Physical Sciences
Tel: +353 (0)90 6468081
Email: ncommins@ait.ie

Eolas Bitréidliachta

Bioveterinary Science

Course Highlights

Work Placement

Further Study

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 emphasises 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 multidisciplinary 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 enrol 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 Pharmaceutics, 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 at 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 does not confer eligibility to register with the Veterinary Council of Ireland as either a veterinary surgeon or a veterinary nurse.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL842
Level - 8
Duration - 4 years

Cut-off CAO points:
310

Course award:
Bachelor of Science (Hons)

Department:
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:
Any major QQI award with three distinctions and a pass in C20139 or 5N1833 or C20174 or C2017 or Leaving Certificate Maths at O6/H7.

Student testimonial

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

Contact us
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Department of Life & Physical Sciences
Tel: +353 (0)90 6468085
Email: soflaherty@ait.ie

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

Bachelor of Science (Hons) in Bioveterinary Science

Altranas Tréidliachta

Veterinary Nursing

Course Highlights

Work Placement

Further Study

Professional Accreditation

Why take this course?

Veterinary Nurses in a veterinary clinic may be involved in

- Dispensing and administering of medication
- Performing laboratory diagnostic tests
- Conducting diagnostic imaging
- Assisting in the provision of anaesthetics
- Preparing for Veterinary surgical procedures
- Assisting the Veterinary Practitioner during surgical procedures.

In line with relevant legislation.

What will I experience?

This established degree programme will give you the multidisciplined 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 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

Work placement will include 30 weeks clinical placement over the 3 years in a small animal, equine and large animal hospital. 8 weeks in first and second year from May to July and a 14 week placement in year 3 during semester 2. You will also be required to spend two residential weeks at Gurteen College, Ballinagarry, Roscrea, Co Tipperary during both first and second year of the degree programme. The cost of this week must be paid by the student.

Career prospects

Currently, and for the foreseeable future, employment prospects for veterinary nurses are excellent. The course provides students with essential scientific and nursing skills that are essential for supporting a veterinary practice. Graduates will be eligible to work in animal welfare, animal nutrition, practice management and the associated veterinary product industries.

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), the regulatory body governing veterinary medicine and veterinary nursing in Ireland, 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). The programme also has ACOVENE accreditation. This accreditation is a pan- European quality assurance tool and makes it easier for students from accredited courses to find a job abroad.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Industry Partners

VillageVets
A family practice since 1980

Code - AL731
Level - 7
Duration - 3 years

Graduate Profile

Name: Maeve Farrell
Course: Bachelor of Science in Veterinary Nursing

"As an avid animal lover, I always knew I wanted to work with animals. Studying veterinary nursing at Athlone Institute of Technology has enabled me to pursue this passion in a warm, friendly environment replete with state-of-the-art facilities. If you enroll in this degree you'll receive a thorough grounding in science along with a nursing qualification. From this degree you can progress to the Applied Bioscience fourth year add-on, offering the ability to work both in the veterinary nursing field and in a laboratory setting, making for a highly skilled, competent nurse. Lecturers, staff, and students alike are friendly and welcoming and are always on hand to help should you need it. I thoroughly enjoyed my four years and would recommend this educational pathway to any prospective student."

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

For more information on our courses visit www.ait.ie/al731

Cut-off CAO points:
410

Course award:
Bachelor of Science

Department:
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:
Up to 6 places reserved. 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/H7) and a Leaving Certificate science subject (minimum O3/H6)

Contact us
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Email: moreilly@ait.ie

Gillian Coughlan
Department of Life & Physical Sciences
Tel: +353 (0)90 6483091
Email: gcoughlan@ait.ie

Eolaíocht Fheidhmeach

Applied Bioscience

Course Highlights

Further Study

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 allow for excellent learner lecturer 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 optimisation.

Campus Tours

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WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"I really enjoyed the group work element of this course." ***ISSE Survey, Applied Bioscience student***

Contact us
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Department of Life & Physical Sciences
Tel: +353 (0)90 6468085
Email: soflaherty@ait.ie

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

Faculty of Business & Hospitality

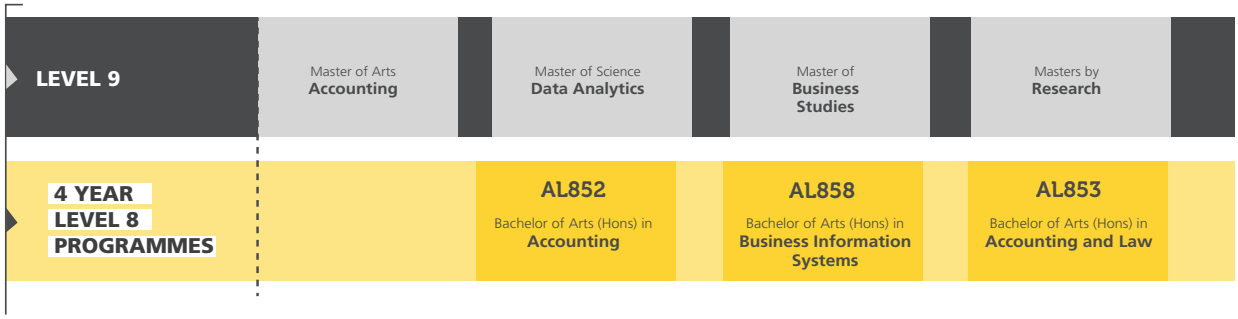
www.ait.ie/business

Dean of Faculty - Michelle McKeon-Bennett / **Email:** mmckeonbennett@ait.ie / **Tel:** +353 (0)90 646 8290

Our courses cover a wide range of areas from accountancy to management and law. 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.

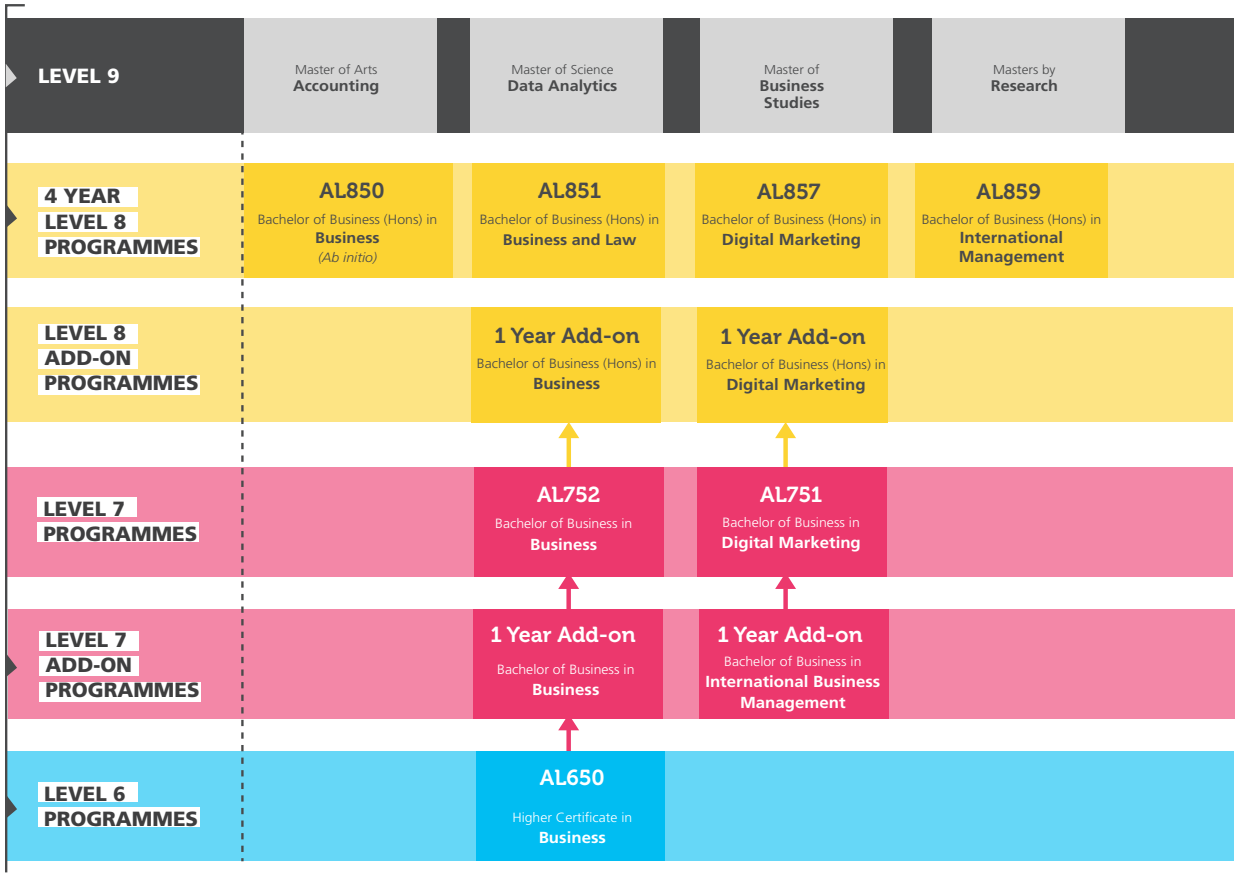
Business & Hospitality Programmes

Accounting & Business Computing progression options



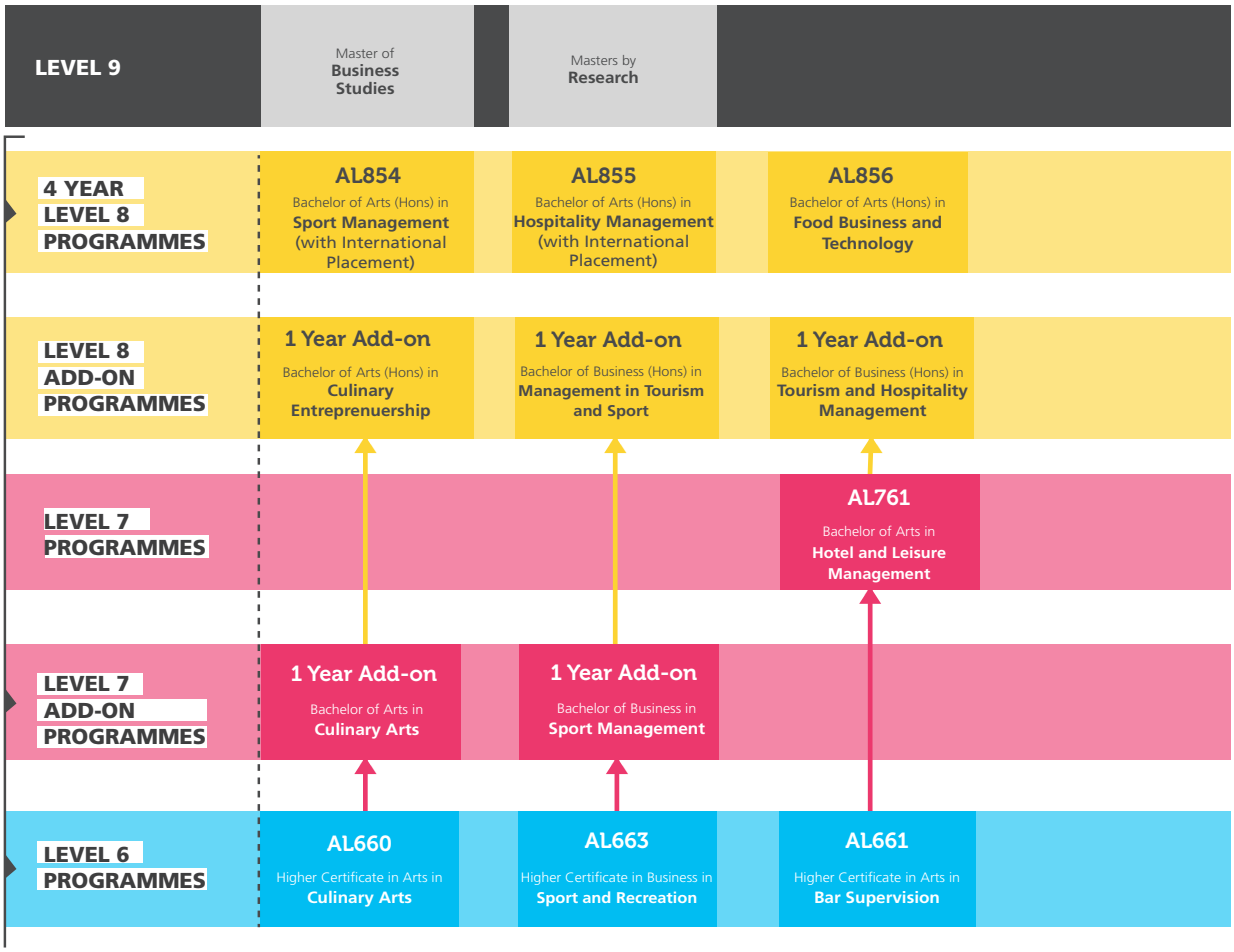
College entry

Business & Management progression options



College entry

Hospitality, Tourism & Leisure progression options



College entry

95% of 2018 graduates from the Faculty of Business and Hospitality were either employed, in training or in further study six months after graduation.

Accounting and Law

Course Highlights

Further Study

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 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 master's courses. (e.g. eligibility for the Master of Arts in Accounting 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 or the Master of Business Studies.

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 from a number of ACCA modules.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - **AL853**
Level - **8**
Duration - **4 years**

Cut-off CAO points:
305
Course award:
Bachelor of Arts (Hons)

Department:
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:
Any Level 5 QQI qualification, having achieved a distinction in at least three modules.

Student testimonial

"My lecturers make the course material interesting and easy to understand. I would highly recommend this course to detail-orientated students with a interest in pursuing a career in accounting and law."
ISSE Survey Student

Contact us

Trevor Prendergast
Head of Department of Accounting and Business Computing
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Email: tprendergast@ait.ie

For more information on our courses visit www.ait.ie/al853

Cúntasaíocht

Accounting

Course Highlights


Work Placement


Further Study


Study Abroad

Why take this course?

AIT is recognised nationally for the quality of its accounting programmes and lecturing staff. Our honours 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 organisations function, the environmental factors that affect an organisation and the contribution of the accounting/finance professional to an organisation's success.

Year 4 course options

* 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. An increasing number of professional bodies will count the time spent on placement towards the training contract. This will therefore reduce the time taken to get qualified after graduation. This placement option is dependent on sufficient student numbers.

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 four firms and local accounting firms. The vast majority qualify as accountants within two 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 and 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's 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.

Industry Partners

RBK
We're by your side

Code - AL852
Level - 8
Duration - 3/4 years*

Graduate profile

Name: Jessica O'Brien
Position: Bachelor of Arts (Hons) in Accounting

"I was always good with numbers but wasn't sure how to put it into practice in the real world. In the summer of 2015, I had a chance meeting with an AIT lecturer who encouraged me to consider accounting. I enrolled in the 2-year accounting technician programme which I successfully completed before applying to the BA (Hons) in Accounting where I was able to advance into the second year of the degree. Accounting is a challenging field, but the lecturers here are extremely supportive and helpful. They're on the journey with the students which makes it hard not to feel encouraged!"

Industry testimonial

"RBK is the largest independently branded accounting firm in Ireland. Our history with the BA in Accounting in AIT goes back a long way and we are delighted to have hired a number of graduates of the programme, a testament to the quality of the teaching and learning environment, the lecturing staff and the facilities. RBK regularly contributes to the programme in a number of ways and we are confident of this support continuing for many years to come". *Karen Buckley, Human Resources Director, RBK*

For more information on our courses visit www.ait.ie/al852

Cut-off CAO points:
305

Course award:
Bachelor of Arts (Hons)

Department:
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:
Any Level 5 QQI qualification, having achieved a distinction in at least three modules.

***Please note that the honours degree in accounting can be completed in three years with the option of an additional one year placement.**

Graduate 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, Bachelor of Arts in Accounting graduate

Contact us

Trevor Prendergast
Head of Department of Accounting and Business Computing
Tel: + 353 (0)90 647 1857
Email: tprendergast@ait.ie

Córais Faisnéise Gnó

Business Information Systems

Course Highlights


Work Placement


Further Study


Industry Certificatations

Why take this course?

Can you name a business or organisation that does not use computer technology or information systems? This course will prepare you for a wide range of jobs in any organisation that relies on information systems, whether these are small personal computers in an office, or large systems with thousands of users implemented by multinational companies. Graduates of this course will be able to work with programmers and salespeople, technicians and CEOs to understand and speak with authority on the information needs of an organisation, no matter how big or small. The course is an excellent blend of business practice and information systems, that will produce graduates able to bridge the gap between the IT department and the functional departments such as finance, HR, operations and manufacturing.

What will I experience?

In this course, not only will you experience enthusiastic and experienced lecturing staff from a range of backgrounds, you will also study:

- Finance and Accounting
- Digital Marketing
- Data Analytics
- Hands-on practical experience with Information Systems Hardware
- Cloud Computing Infrastructure
- Project Management
- Law and Professional Ethics
- Probability and Statistics
- Application Software
- Enterprise Class Software
- Web Analytics
- Work Placement in Year 3
- Double-qualified computing - option to take industry certificates from companies such as Google, Microsoft, Hubspot and Oracle

What opportunities might it lead to?

Graduates of this programme will be equipped with a wide range of business and information systems skills that will enable them to work in well-paid and in-demand roles in any industry that uses information systems. Typical jobs include:

- IT Project Manager
- Web Developer & Analyst
- Data Analytics Consultant
- ERP Consultant
- Business Intelligence Developer
- Business Analyst
- Database Administrator
- Software Support Analyst
- Software Sales

What will I study?

Year 1

Semester 1: Learning and Development for Higher Education, Computer Systems & Software, Mathematics for Business Computing, Introduction to Data Manipulation, Intro to Web & User Interface Design.

Semester 2: Introduction to Databases, Cloud Computing, Financial Accounting 1A, Computer Applications, Responsive Web Development.

Year 2

Semester 1: Business Information Systems, Financial and Management Accounting, Business Systems Analysis, Probability and Statistics.

Semester 2: Database Systems, SEO and Web Usability, Applied Data Manipulation, Marketing Management in a Digital Age.

Year 3

Semester 1: Law and Professional Ethics in a Digital Age, Advanced Databases, Advanced Statistics, Enterprise Applications.

Semester 2: Work placement (6-9 months).

Year 4

Semester 1: Information Systems and Project Management, Data Analytics and Visualisation, Advanced Web Analytics.

Semester 2: Emerging Database Technologies, Business Information Systems Capstone Project, Business Enterprise and Design Thinking.

Career prospects

Graduates working in the information and communication sector enjoy excellent employment opportunities and are among the highest average weekly earners according to Central Statistics Office (CSO, 2017).

The job prospects for graduates with multi-disciplinary skills are particularly healthy and not just reliant on IT Multinationals in the east of the country. Graduates of this programme can expect to employed in a wide variety of industries in the Midlands and further afield.

Work placement

The work placement occurs in January of year three. Because of the broad scope of the BIS programme, and because of the fact that information systems are used in so many different types of organisations, the placement can be in any organisation locally, nationally, or even internationally.

Industry Partners

Teleflex

Level - AL858
Level - 8
Duration - 4 years

New Course

Students may undertake placement in a wide-range of industries. The college will work in partnership with the student and prospective employers to arrange a six month placement. Students can negotiate with employers to extend their contract. Note: Payment is not guaranteed and is at the discretion of each individual employer.

The placement is usually 6 months, however the student is free to negotiate with the employer to extend the time spent in the company.

Double-qualified computing: get more than just an honours degree!
Additional industry certification is a unique feature of this course.

Students have the option of taking extra certificates in subjects such as Excel, Word, Databases, Microsoft Project, Google Analytics, ACCA, Hubspot. These extra certifications will give graduates that extra edge when applying for jobs.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

For more information on our courses visit www.ait.ie/al858

Cut-off CAO points:
New

Course award:
Bachelor of Science (Hons)

Department:
Accounting & Business Computing

Minimum entry requirements:
Grade H5 at higher level in 2 subjects and Grade 06/H7 in four other subjects, including a language (English or Irish). Maths requirement is O6/H7.

QQI:
Any Level 5 QQI qualification, having achieved a distinction in at least three modules.

Industry testimonial

"Teleflex have contributed to the development of the Level 8 honours degree in Athlone Institute of Technology, and we look forward to working with staff and students of the programme. We believe it is a relevant and suitably broad degree that will develop the necessary skills in both core business operations and the rapidly changing world of information systems".
Stephen Scannell, Director Global Service Support, IT Infrastructure and Operations, Teleflex

Contact us
Trevor Prendergast
Head of Department of Accounting and Business Computing
Tel: + 353 (0)90 647 1857
Email: tprendergast@ait.ie

Bachelor of Science (Hons) in Business Information Systems

Bainistíocht Fáilteachais

Hospitality Management *(with International Placement)*

Course Highlights


Work Placement


Further Study


Live Projects

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 operations management, hospitality sales and marketing, human resource, revenue and strategic management.

Tourism is now the largest indigenous employer in Ireland, with 250,000 people employed in the industry (*Irish Times, 2018*). In addition:

- 2018 was the best year in history for Irish tourism, over 11 million international tourists visited Ireland, up 6% from 2017 (*Tourism Ireland, 2018*).
- The tourism sector supports 143,500 jobs in the accommodation and food sector alone (Department of Tourism, Transport and Sport, 2017).
- In 2018, tourism was responsible for overseas earnings of €5.4 billion (Department of Tourism, Transport and Sport, 2017).
- The UK holiday company Centre Parcs has opened a new resort in Ballymahon. The Center Parcs village is 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.
- All students in the Department of Hospitality, Tourism and Leisure, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon.
- Three Irish hotels (Ballyfin Demesne, Waterford Castle, Ashford Castle) recently featured in the top 10 hotels in the world in a major international travel publication, *Condé Nást*, in late 2016 with Ballyfin Demesne featuring in first place. These five star hotels, and others, both national and international, such as Dromoland Castle, the Savoy and the Ritz (London), Fitzpatrick's (New York), all 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 as the 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 Cost Control
- 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 (National or International)

Year 3

- Hospitality Event Management
- Human Resource Management and Training
- Marketing
- Accounting
- Tourism Management
- Language – French / German / Spanish (languages are optional)
- Room Division Management
- Revenue Management
- Placement (must be international)

Year 4

- Strategic Management
- Financial Management
- Marketing Management
- Dissertation
- Data Analytics
- Tourism Management.

Industry Partners

Code - AL855
Level - 8
Duration - 4 years

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
- Practical assessment
- 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 but the second placement must be international. The department provides dedicated support with all work placements, including assisting students and then supporting them to ensure positive work experiences.

Further study

- Progression to the Master of Business Studies in the Department of Business and Management at AIT.
- Progression to postgraduate courses in hospitality/ tourism/ event/ hotel management worldwide.
- Progression to Master of Research at AIT.

For more information on our courses visit www.ait.ie/al855

Cut-off CAO points:
312

Course award:
Bachelor of Arts (Hons)

Department:
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 English

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
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Bachelor of Arts (Hons) in Hospitality Management (with International Placement)

Gnó bia agus teicneolaíocht

Food Business and Technology

Course Highlights

Work Placement

Further Study

Why take this course?

This four year degree develops honours level graduates in food business and technology. The BA (Hons) Food Business and Technology is the only food business degree in the Midlands and has been designed in conjunction with local employers.

The food industry represents an important sector of the Irish economy. For example, the agri-food sector has an annual turnover in excess of €26bn, employing over 42,000 in processing alone. Food ingredients have driven the growth in Irish food and drink exports in recent years. In the past two decades, exports have more than doubled from €5.6 billion to €12.6 billion. Food processing and manufacturing is an exciting and multidisciplinary area which requires skills and competences in business, science and technology.

What will I experience?

- Successful completion of this programme presents you with opportunities to work in many areas of food manufacturing, including business management, operations management, technology, processing and product development.
- You will learn how to apply business concepts to food manufacturing, food processing and food technologies.
- The course includes a mixture of both theory and practical classes based in kitchens, laboratories, IT suites and classrooms.
- Your practical classes will be backed up with theory, for example, food product nutritional balance and the safeguarding of nutritional integrity in prototype development.

What job opportunities might it lead to?

Food manufacturing is a major employer in the Midlands Region with a large number of companies in Offaly, Laois, Longford and Westmeath employing 100+ (e.g. Carrolls of Tullamore, Panelto in Longford, Carty's in Athlone, Glenisk in Tullamore). We have worked with many local employers to ensure this course offers all the skills needed for a successful career as a manager in a food manufacturing and processing operations in food business and technology.

What will I study?

The degree incorporates three strands: food processing, technology business management and professional development. Food processing and technology topics, include, among others, food factory design, processing engineering, food security, quality management and food safety. Business topics include computer applications, project management, accounting and marketing. To ensure you graduate as a well-rounded and highly qualified specialist in the industry, we also require you to undertake two work placements (which we help you find) and a final year research project on a food related topic of your choice.

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. Taught postgraduate opportunities for the graduates of this programme are numerous and varied and include master's in food, hospitality and business management. Graduates with a minimum grade of 2.2 will be eligible to apply for the one-year, full-time Master of Business at AIT.

Career prospects

- Management roles in food producers and processors
- Quality management in food manufacturing
- New food product development
- Advanced study at master's level

Work placement

The course contains compulsory, assessed work placements in first and third year. We will assist you with finding the placement.

Placements could take place in a variety of settings, including in dairy, meat, bakery or additive manufacturers. The placements could take place locally or nationally depending on the student's interest and employer needs.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - **AL856**
Level - **8**
Duration - **4 years**

New Course

Cut-off CAO points:
New

Course award:
Bachelor of Arts (Hons)

Department:
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 must include mathematics and a language (English).

QQI:
Level 5 QQI: Any QQI-FET level 5 qualification is acceptable but must contain a minimum of 3 distinctions.

Bachelor of Arts (Hons) in Food Business and Technology

For more information on our courses visit www.ait.ie/al856

Contact us
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Head of Department of Hospitality, Tourism and Leisure Studies
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Email: ajohnston@ait.ie

Scileanna Cócaireachta

Culinary Arts

Course Highlights


Work Placement


Further Study


Study Abroad

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. It 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.

All students in the Department of Hospitality, Tourism and Leisure, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. 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 master's.
- 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 aboard.
- 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
- Pastry and baking practice
- 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:

- Mini-projects,
- Presentations,
- Group work,
- Examinations,
- Multiple-choice tests,
- Essays,
- Portfolio work.

Industry Partners

Code - AL660
Level - 6
Duration - 2 years

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 first and second years of study.

Further study

Upon completion of the Higher Certificate in 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 Demesne, 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

Cut-off CAO points:
AQA

Course award:
Higher Certificate in Arts

Department:
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 student's point of view and helping with assignments." ***ISSE Survey, Culinary Arts student***

Contact us
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Scileanna Cócaireachta

Culinary Arts *(Add-on)*

Course Highlights

Further Study

Why take this course?

This course develops culinary students' skills to degree standard. You will learn advanced culinary techniques, both contemporary and traditional, develop your skills in advanced pastry and learn how to develop a new food product. You will also discover the impact of food on tourism, hone your IT skills and advance your culinary business knowledge. The course is available both full-time and part-time and leads to many exciting opportunities in the culinary sector.

What will I experience?

During this course you will:

- 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 food service 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.
- Use IT to produce documents, databases and spreadsheets and communicate your results electronically.

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

Career prospects

Students from the Department of Hospitality, Tourism and Leisure Studies have worked in some of this country's and the world's best hotels, including: Ballyfin Demesne, 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.

Industry Partners

HODSON BAY GROUP · SO/ HOTELS & RESORTS · Radisson BLU SCHWARZER BOCK HOTEL WIESBADEN

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:
Hospitality, Tourism & Leisure Studies

Minimum entry requirements:
Higher Certificate in Culinary Arts or equivalent.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"The international trips and opportunities to study abroad are a fantastic element of this course." ***ISSE Survey, Culinary Arts student***

Contact us
Dr Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

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

Fiontraíocht Cócaireachta

Culinary Entreprenuership *(Add-on)*

Course Highlights

Work Placement *Further Study*

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 bachelor's degree years of the culinary arts programmes on offer at 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.

This course is also suitable for part-time students and may be of interest to current chefs interested in moving into food product development.

What will I experience?

During 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 market research, a business model canvas and a business plan
- Sensory analysis of food
- An introduction to food science skills

What job opportunities might it lead to?

An honours degree (level 8) is an effective basis for postgraduate training and research leading to master's and PhD (level 9/10) qualifications. Taught postgraduate opportunities for the graduates of this programme are numerous and varied and include master's 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

Industry Partners

Add-on course

Level - 8

Duration - 1 year full-time

(Part-time over 2-3 Years)

Graduate profile

Name: Paul Hurst
Position: Craft Baker, Real Bread Ireland
Course: Bachelor of Arts (Hons) in Culinary Entrepreneurship *(Add-on)*

"After being made redundant in 2011, my life hit rock bottom. I made the decision to return to college and pursue something I was really passionate about. Now I have globally recognised qualification and can secure a safe future for my family. I will always be grateful to AIT for the skills they have taught me, and I have nothing but the utmost respect and admiration for the lectures in HTL. I'm sad that it's all over but look forward to the next chapter."

Course award:
Bachelor of Arts (Hons)

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Graduate testimonial

"If you are looking for a career in food product development then this course is a necessity. It covers everything from laboratory shelf life testing to packaging development and every aspect of product development in between. Even after I completed the course I was able to contact lecturers looking for help and advice, which has been an invaluable resource in developing my career."
Ciaran Kiveney, Head of Product Development, MyNutriChef

Contact us

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

Maoirseacht Bheáir

Bar Supervision

Course Highlights


Work Placement


Further Study


Study Abroad

Why take this course?

Shake up your career and study bar supervision in Athlone Institute of Technology. This is a qualification that is recognised 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. All students in the Department of Hospitality, Tourism and Leisure, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. For more information, speak to us at our Open Day.

What will I experience?

On this course you can experience:

- 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 cooling systems all in the guise of your classroom. It is what our current students call 'the perfect learning environment'.
- Guest lectures from past students who are working in some of Ireland/world's best establishments.
- Visits to breweries, distilleries, bars, pubs, hotels and night clubs.
- Industry experienced tutors teach 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 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, 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 first and second 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 in 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) in Tourism and Hospitality Management degree.

Industry Partners

Code - AL661
Level - 6
Duration - 2 years

Career Prospects

Students from the Department of Hospitality, Tourism and Leisure Studies 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.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon.

For more information on our courses visit www.ait.ie/al661

Cut-off CAO points:
AQA

Course award:
Higher Certificate in Arts

Department:
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
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Graduate Profile

Name:
David McKane
Current position:
Executive Head Chef, Kilkea Castle Hotel and Golf Resort
Course:
Bachelor of Business (Hons) in Tourism and Hospitality Management *(Add-on)*

Why did you choose AIT?
I chose to study at Athlone Institute of Technology because it has a wonderful reputation and a wide range of courses, facilities and approachable lecturers and staff. The location also suited me as it was close to home.

Tell me about your specific course. What led you to choose it?
I undertook multiple courses whilst at Athlone Institute of Technology. Initially, I trained to be a chef, followed by a degree in hotel management, an honours degree in tourism and finally a Master's in Business Studies. Each course was a continuation on from the next. Athlone Institute of Technology enabled me to complete my studies in stages in a way that felt manageable whilst still working on my career.

Do you feel that the course prepared you for life after college?
Each of the courses I studied at Athlone Institute of Technology have furnished me with a different skillset and all have helped me excel in the hospitality industry. My basic chef training helped me master cooking and food preparation, while the skills learned during my degree and master's have helped me excel in the kitchen and business management aspect of hotel operation.

Did you go on placement or on Erasmus?
As part of my culinary arts studies, I undertook placements in both first and second year. These placements gave me a valuable insight into the life of a chef and the working conditions in a kitchen. Being a chef is a challenging but rewarding career path. My placement gave me the insight needed to know a career in this sector was for me.

Finally, what advice would you give to prospective students considering your course?
As the late great Anthony Bourdain once said, "Skills can be taught. Character you either have or you don't have." Always keep an open mind and a good attitude, and a career as a chef will reward you in return.

"Each of the courses I studied at Athlone Institute of Technology have furnished me with a different skillset and all have helped me excel in the hospitality industry"

Graduate Profile

Name: Patrick McGrath
Current position: Operations Manager of The Ross Hotel in Killarney
Course: Higher Certificate in Bar Supervision *(CAO Course Code: AL661)*

Why did you choose AIT?
The location was the first thing that brought AIT to my attention, living in Roscommon I was able to travel from home every day. This is such a handy option if you are living in the Midlands like I was myself at the time! Following that, I began researching the courses available in AIT's hospitality department. I found the range of courses on offer extremely impressive and I knew then that AIT was the place for me.

Tell me about your specific course. What led you to choose it?
I studied the Higher Certificate in Bar Supervision. I was drawn to this course for practical reasons. I'd grown up in the business and had been working in bars for over five years at that stage. I knew I'd have to get a third level qualification if I wanted to carve out a successful career for myself in the beverages trade. The course really helped develop and progress my own skills.

Do you feel that the course prepared you for your life after college?
Absolutely, I can honestly say that if I never attended AIT and studies this programme that my career and my life would not be the same.

While attending AIT, did you get to go out on placement or Erasmus?
Yes, I did indeed. We worked a lot of service and events within the college which was a huge benefit because we were able to see the standard that was required to be a professional in the hospitality industry. That really prepared me to go out on work placement. In 2013, I worked at The Ross Hotel in Killarney on a summer placement. I started out as a waiter and bartender. When I was invited back the following summer, I was hired as a mixologist making cocktails full time. Shortly after that, I was promoted to the role of Bar Manager. Two years later, I was promoted to the position of Resident Manager providing cover for our General Manager's maternity leave. I currently hold the position of Operations Manager of The Ross Hotel in Killarney. I know that none of this would have happened if I didn't attend AIT.

Finally, what advice would you give to prospective students considering your course?
Go for it! The Higher Certificate in Bar Supervision has an extremely high employment rate and is recognised all over the world. You don't need experience to enrol, having the ambition to learn and the drive to succeed will take you wherever you need to go.

HTL Fieldtrips

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last three years, more than 150 of our students have worked or studied abroad, including in Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. Fieldtrips are optional and have an additional charge which varies depending on the location.

This field-based learning offers a unique learning experience for HTL students through providing the opportunity to study the hospitality, tourism and leisure industries in an industry leading city. The field trips offer students the opportunity to learn from each other and to develop skills working with large teams and small groups. The ages, backgrounds, experience levels and nationalities of the students varies greatly and they work together on the itinerary, preparation and in field on directed tasks. The trips help students develop their communication, organisation, initiative and management skills and for many raises their aspirations to working in the highest levels of their chosen industry.

What our students say...

"The expectations I had about Shanghai and the reality of it were very different. When I first saw the itinerary ,I did not believe that we could achieve so much in such a short space of time. After one week, I felt like I had been in Shanghai for months. From visiting tourist attractions like The Bund, the Pearl Tower, two universities, to making new friends, everything was an educational experience."
Tabita Gavriliuc, Restaurant Management student.

"From the very first day, Shanghai was a very different cultural experience – from the amazing views to the different smells and tastes. We experienced many different things such as the exquisite views of the Bund, which looked like a metropolis sitting just over the water. We travelled by ferry to Pudong and also visited the Yu Yuan Gardens in the centre of Shanghai. The gardens were one of my favourite locations as I loved the beautiful scenery and architecture throughout the gardens." **Olivia Cuffe, Culinary Arts student.**

"Once again, I have travelled across the world with AIT and once again it truly was a once in a lifetime experience. I saw unbelievable sights that I will remember for the rest of my life. It was also interesting to see how the industry works halfway across the world and to see how different it is." **Bryan Lynam, Higher Certificate in Sport and Recreation student.**

Mark the Date

Guidance Counsellor Briefing
Tuesday 1 October 2019

Open Day
Friday 18 & Saturday 19 October 2019

Ask AIT: CAO Information Evening for Parents & Students
Wednesday 15 January 2020

Course Interactive Open Day
Saturday 25 April 2020

Summer School
8 June to 12 June 2020

Visit us at www.AIT.ie

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

Spórt agus Caitheamh Aimsire

Sport and Recreation

Course Highlights


Work Placement


Further Study


Study Abroad

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 NGBs (National Government Bodies), LSPs (Local Sports Partnerships), local schools, sports retailing and sports event management companies.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon.

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?

During this course you will:

- Apply live case studies to your course work 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 in 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 second year, 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 supports and so we aim to provide a learning environment that is both stimulating and academically challenging, whilst also supporting your learning needs. 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.

Industry Partners

Code - AL663
Level - 6
Duration - 2 years

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 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 to the Master 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

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register of exercise professionals

For more information on our courses visit www.ait.ie/al663

Cut-off CAO points:
183

Course award:
Higher Certificate in Business

Department:
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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Bainistíocht Spóirt

Sport Management *(with International Placement)*

Course Highlights

Work Placement *Study Abroad*

Why take this course?

- On this course you take a compulsory work placement at the end of your second year. This placement can be taken in Ireland or abroad. You then take a second placement in your third year, which must be taken overseas. Placements are usually paid and there are opportunities to work in many different types of sporting organisations – from community to retail to sport development to coaching. We assist you finding a placement that matches your interests.
- The Department of Hospitality, Tourism and Leisure offers all students the opportunity to take part in overseas field trips to explore international issues. In the last few years we have brought our students to Beijing, Poznan, Paris, Barcelona, Parma, Shanghai and Dubai.
- The expertise of the lecturers in AIT involved in designing and delivering the course is extensive – all staff teaching on the course have excellent industry and academic backgrounds. Many teaching staff in the department are qualified up to master's degree and doctoral level,
- The excellent teacher-student ratios provide learners with unrivalled access to lecturer expertise.
- The BA (Hons) Sport Management (with international placement) includes a mixture of classroom and practical classes. These are taught in our state-of-the-art facilities,
- Over the past 10 years AIT has developed into one of the premier sports facilities in the midlands. The institute currently has both indoor and outdoor IAAF approved running tracks, a FIFA standard astro-turf pitch, two GAA pitches, a multipurpose sports hall and a state of the art fitness centre.
- AIT has offered a sport scholarship programme for over 10 years. This is administered by AIT's sports department and enquires should be made directly to them at 090-6468222,
- The opening of holiday resort 'Centre Parcs' in Co. Longford guarantees Midland-based hospitality opportunities with 1,000 permanent jobs promised at Ballymahon. Centre Parcs is located just 20 minutes from AIT and employs 240 in the sport and leisure sector.

What will I experience?

Subjects taught on the B.A. (Hons) Sport Management (with international placement) are diverse and typical topics covered include (among others):

- **Year 1:** Sport Administration, Sport Studies, Acounting, Business Management, Wet Facility Management, Sport Coaching, Anatomy and Physiology.
- **Year 2:** Work Placement (can be local or overseas), IT, Accounting, Marketing, Facility Management, Exercise and Fitness, Lifestyle Development.
- **Year 3:** Work Placement (must be overseas) Human Resource Management, Accounting, Sport development, Sport Tourism Studies.
- **Year 4:** Strategic, Marketing and Financial Management, Dissertation, Event Management, Management of Sport and Physical Activities. Students are awarded a BA (Hons) Sport Management (with international placement) degree at the end of Year 4. At this stage, students can progress if they wish to a further one year of study, where they will receive an MBS.

What job opportunities might it lead to?

Employment opportunities exist in areas such as sport and recreation development/administration, sports coaching, health and fitness promotion, tourism and general business. Graduates of this course have progressed to master's degrees in business, health promotion, sports development, as well as the PGDE in teaching. Graduates from the Department of Hospitality, Tourism and Leisure are employed in many nationally and world renowned organisations, including:

- Special Olympics, Great Britain
- Sport event, stadium and retail management
- Sports Development Officer roles for the GAA
- St George's University Foundation Trust, London

Career prospects

The sport, leisure and tourism industry is a very important one to the Irish economy. This two-year higher certificate provides students with the background necessary for a successful career in a wide range of tourism, leisure, business and sports-related activities. The programme places emphasis on developing technical skills and includes the opportunity to take other nationally and internationally recognised qualifications including: occupational first aid/child protection/swim teachers/ pool lifeguard/ gym instructor qualification, sports coaching qualifications - football, hurling & soccer.

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register of exercise professionals

Industry Partners

Code - AL854
Level - 8
Duration - 4 years

New Course

Cut-off CAO points:
New

Course award:
Bachelor of Arts (Hons)

Department:
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 English

QQI:
Any QQI level 5 award is acceptable. Applicants must present with eight modules, passing a minimum of three modules at distinction.

Lecturer testimonial

"The leisure, sport and recreation industry offers graduates a diverse, dynamic and flexible career path. The AIT Sports Management programme prepares students for an industry that is growing and exciting with employment opportunities around the globe." ***Joe Tierney, Sports Management lecturer***

Contact us

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For more information on our courses visit www.ait.ie/al854

Bachelor of Business (Hons) in Sports Management (with International Placement)

Bainistíocht Spóirt

Sport Management *(Add-on)*

Course Highlights

Work Placement

Further Study

Why take this course?

To further develop your management competences in the sport, recreation and leisure industry, AIT offers add-on degrees in sport management at ordinary and honours level. The Bachelor of Business in Sport Management focuses on advanced business related knowledge and skills development in key business subjects. Students will again have the opportunity to take further qualifications in sports coaching, while developing leadership qualities through the provided networking opportunities offered in the college. You will also learn more about the sport and leisure industries, including recreation, outdoor activities, coaching, education and tourism.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. 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 sports tourism industry
- Develop business management skills in the context of sport
- Learn how to build a website and social media campaign for sport businesses
- Coach and organise events for youth and community groups

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 Bachelor of Business 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 supports 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

While the Higher Certificate in Sport and Recreation (Years 1-2 of this pathway) contains a compulsory work placement, there are no placements during the Bachelor of Business Sport Management or Bachelor of Business (Hons) in Management (Sport and Tourism) phases. We still encourage and facilitate relevant part-time and summer positions in the industry.

Further study

Students can progress to the Bachelor of Business (Hons) in Management in Tourism and Sport.

Career prospects

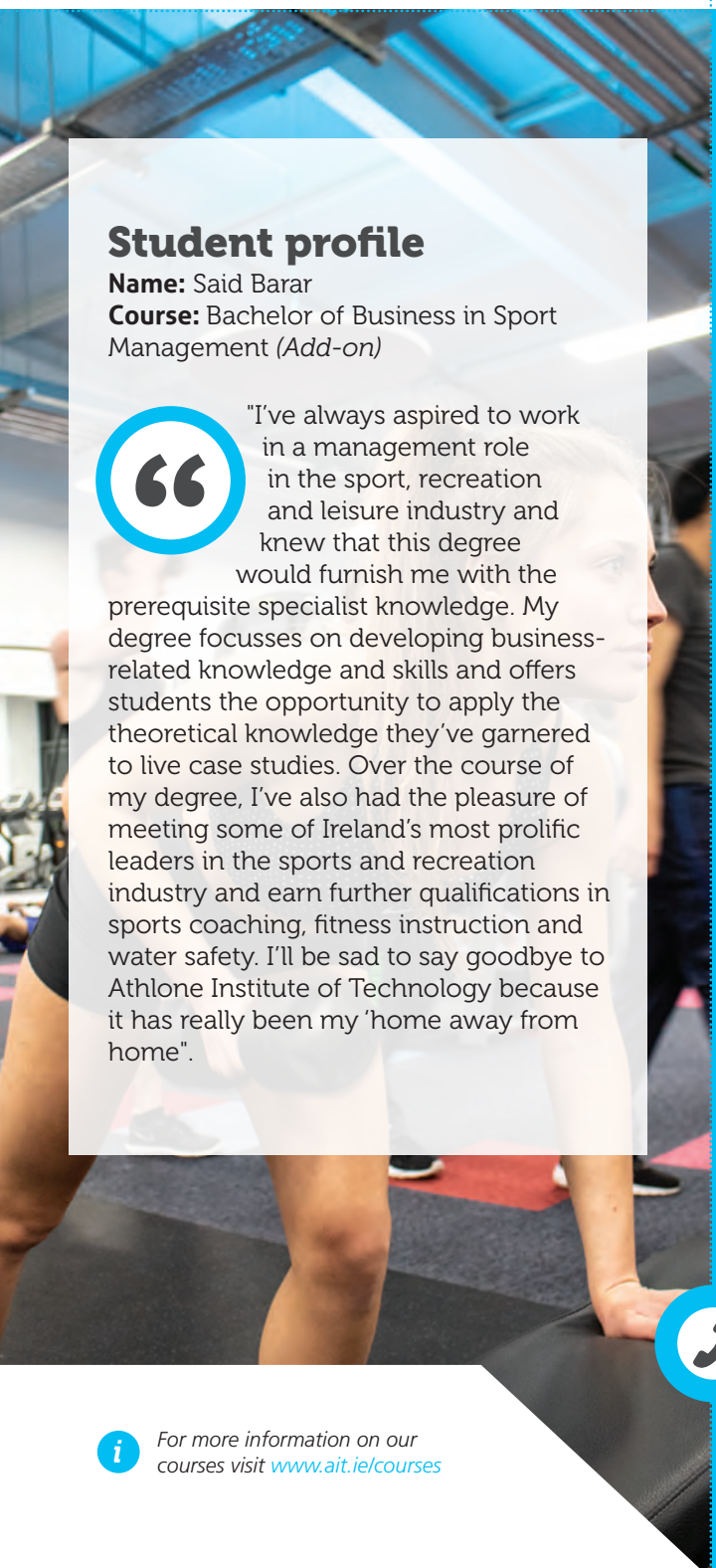
Graduates have found gainful employment in:

- Sport Marketing
- Sport Management
- Stadium and Event Management
- Sport Retail
- Sport Finance and Auditing
- Youth and Club Development Roles

Industry Partners

HODSON BAY GROUP
SO/ HOTELS & RESORTS
Radisson BLU SCHWARZER BOCK HOTEL WIESBADEN

Add-on course
Level - 7
Duration - 1 year



Student profile

Name: Said Barar
Course: Bachelor of Business in Sport Management *(Add-on)*

"I've always aspired to work in a management role in the sport, recreation and leisure industry and knew that this degree would furnish me with the prerequisite specialist knowledge. My degree focusses on developing business-related knowledge and skills and offers students the opportunity to apply the theoretical knowledge they've garnered to live case studies. Over the course of my degree, I've also had the pleasure of meeting some of Ireland's most prolific leaders in the sports and recreation industry and earn further qualifications in sports coaching, fitness instruction and water safety. I'll be sad to say goodbye to Athlone Institute of Technology because it has really been my 'home away from home".

Course award:
Bachelor of Business

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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

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Management in Tourism and Sport *(Add-on)*

Course Highlights

Further Study

Why take this course?

The exciting, dynamic businesses of tourism and sport are inextricably linked and always require passionate, ambitious graduates.This honours programme focuses on developing such graduates with the necessary problem solving, critical thinking, 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.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. 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 lectures, workshops, and field trips. Dialogue between lecturers and learners and between learners themselves is central to 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 like the 2012 Olympics in London, sport development officers in County Councils, with the HSE as health promotion and physical activity co-ordinators, 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.

Assessment information

We place a lot of emphasis on student supports 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 peer-led 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 capstone assessment in semester 1, accounting for all continuous assessment marks in the semester. This integrated assessment includes both team and individual components.

Semester 2 work is assessed by:

- Presentations
- Group work
- Examinations
- Multiple-choice tests
- Essays
- Portfolio work
- Peer and self-assessment

Industry Partners

HODSON BAY GROUP

SO/ HOTELS & RESORTS

Radisson blu SCHWARZER BOCK HOTEL WIESBADEN

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Business (Hons)

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Graduate 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***

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Bainistíocht Óstáin agus Caitheamh Aimsire

Hotel and Leisure Management

Course Highlights


Work Placement


Further Study


Study Abroad

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 help 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.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. For more information, speak to us at our Open Day.

What will I experience?

During this course you will:

- Learn the fundamentals of hospitality management
- Apply live case studies to your course work 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 abroad at one of AIT's 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 companies such as the Shelbourne Hotel, Merrion Hotel, Ashford Castle, Dromoland Castle, Ballyfin Demesne, 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

Year 3 will reinforce core management understanding and 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
- Enterprise & Professional Development

Industry Partners

Code - AL761
Level - 7
Duration - 3 years

- 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 year of study.

Further study

Upon completion of the BA in Hotel and Leisure Management, students may progress to the add-on one year BB (Hons) in Tourism and Hospitality Management degree.

Many students who complete this pathway then opt to study at postgraduate level, undertaking the Master in Business Studies at AIT. Students can also opt to take an MA by research or progress to another institute of technology or university to undertake a postgraduate qualification.

Career prospects

Graduates from the Department of Hospitality Tourism and Leisure BA in Hotel and Leisure Management have found gainful employment 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 many aspects of business management having gained both theoretical and practical knowledge during their studies.

For more information on our courses visit www.ait.ie/al761

Cut-off CAO points:
219

Course award:
Bachelor of Arts

Department:
Hospitality, Tourism & Leisure Studies

Minimum entry requirements:
Grade O6 in five subjects in the Leaving Certificate, to include 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."
Dymphna Scanlon, Lecturer in Hospitality Management

Contact us
Dr Anthony Johnston
Head of Department of Hospitality, Tourism and Leisure Studies
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Tourism and Hospitality Management *(Add-on)*

Course Highlights

Further Study

Why take this course?

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.

All students in the Department of Hospitality, Tourism and Leisure Studies, including new first years, are eligible to take part in annual international field trips. In the last few years, more than 150 of our students have worked or studied abroad, in places like Beijing, Shanghai, Dubai, Parma, Poznan, Paris, San Sebastian, Barcelona, Cannes, the Balearics, Ontario and Lisbon. 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 lectures, workshops and field trips. Dialogue between lecturers and learners and between learners themselves is central to each module.

During 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 capstone assessment in semester 1, accounting for all continuous assessment marks in the semester. This integrated assessment includes both team and individual components.

Semester 2 work is assessed by:

- Presentations
- Group work
- Examinations
- Multiple-choice tests
- Essays
- Portfolio work
- Peer and Self-assessment

Industry Partners

HODSON BAY GROUP · SO/ HOTELS & RESORTS · Radisson BLU SCHWARZER BOCK HOTEL WIESBADEN

Add-on course
Level - 8
Duration - 1 year

Faculty Profile

Name: Dr Anthony Johnston
Position: Head of Department of Hospitality, Tourism and Leisure Studies.

Dr Anthony Johnston 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.

Course award:
Bachelor of Business (Hons)

Department:
Hospitality, Tourism & Leisure Studies

Minimum entry requirements:
Bachelor of Arts in Hotel & Leisure Management.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

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

Student testimonial
"AIT offers many guests speakers and interesting talks which I find really fun and interesting. I also really enjoy the practical elements of my course which really captures our attention in class."
ISSE Survey, Tourism and Hospitality Management student

Contact us
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Head of Department of Hospitality, Tourism and Leisure Studies
Tel: + 353 (0)90 647 1894
Email: ajohnston@ait.ie

Graduate Profile

Name:
Damien Harnett
Current position:
General Manager of the 5* Savoy Hotel in Limerick.
Course:
Bachelor of Business (Hons) Tourism and Hospitality Management *(Add-on)*

What aspects of the course did you most enjoy?
I initially came to Athlone Institute of Technology to complete a Diploma in Hotel and Catering Management back in 2000. I really enjoyed the continuous assessment element of my course and felt that the course had equipped me with a broad range of skills necessary for success in the industry. After working for a few years, I decided to return to AIT to undertake a Bachelor of Business (Honours) in Tourism and Hospitality Management and the rest, as they say, is history!

What are you doing now?
I'm currently working as the General Manager of the 5* Savoy Hotel in Limerick City. I started in the Savoy as Operations Manager back in 2012, where my main duty was to increase revenue. It was a difficult time as we were still mid-recession, however, with the implementation of some initiatives, I managed to drive accommodation business and increase revenue. In 2015, I moved into my current role of General Manager with the task of moving the hotel forward and planting the seeds for the future. I'm pleased to say that those plans have now come to fruition. We've added two additional properties to the Savoy Group in Limerick City and currently employ over 280 staff. This year we are planning on extending the hotel by an extra 35 rooms.

How did the course prepare you for your current job?
If I had to narrow it down, I'd say the financial management aspect of my course. This has stood to me in all of my roles, the current one included as I am heavily revenue management driven. The computers element of my diploma has also really helped me in my working life.

Did you go on placement?
I went on a placement to Ashford Castle in Cong, Co. Mayo and Jury's Hotel in Bristol, UK during the first and second year of my diploma. I learned so much from those experiences, a lot which I still use to this day!

Is it a difficult industry to break into?
It can be difficult to break into the industry. You must be prepared to work hard and start at the bottom. But, if you are dedicated, you will work your way up the ranks at a reasonable pace. It just depends on your personal drive and where you want your career to go. The industry is changing and while long days and nights are not as common as they once were for people working in this industry, you will still be expected to do your fair share as you move up the ranks.

Do you have any advice for prospective students?
The best advice I could give any student considering this course is to go for it. Study and work hard and don't be afraid to use your colleagues' experience to your advantage to help you progress through the ranks. You will learn a lot from each other.

"I learned so much from placement, a lot of which I still use to this day!"

Graduate Profile

Name:
Barry Kennedy
Current position:
Deputy General Manager of the 4* star Bridge House Hotel in Tullamore
Course:
Bachelor of Arts (Hons) in Hospitality Management *(Cao Course Code: AL855)*

What aspects of the course did you most enjoy?
I really enjoyed the practical aspects of the course. I found the hands-on approach to learning extremely beneficial in my chosen field and it gave me a great insight and understanding of what lay ahead.

How did the course prepare you for your current job?
The course allowed me to develop in many different ways. It greatly benefited me in terms of practical and theory based learning. But my time in AIT also allowed me to grow as an individual and gave me great confidence in dealing with people – people skills are vital to a good hotel manager and the positive culture in AIT encourages its students to grow as individuals as well as students.

Did you go on placement?
I was fortunate enough during my time in AIT to have employment at The County Arms Hotel in my hometown of Birr. I experienced a wide range of positions in the hotel during my time there and this experience benefited me greatly. Working in this busy hotel environment at weekends and holidays allowed me to develop and use the skills and knowledge I acquired at AIT.

What is your best memory of your time at AIT?
The best memory I have of my time in AIT is the accessibility and help of the lectures. They were always on hand to give advice and assistance and even after graduating and moving into the real world I am still fortunate to have a relationship with many of them. I had the great pleasure of returning as a guest lecturer and also sat on a panel to discuss the curriculum for the hotel and catering students. I always enjoy returning to AIT and feel very much part of the family there.

Is it a difficult industry to break into?
With regards to breaking into the hospitality industry, I found it useful to gain experience in different hotels and different positions. It is vital to have a third level qualification in order to seek a senior management position, but also very important to have significant experience within the industry.

Do you have any advice for prospective students?
Be ambitious, it is a good trait to have and don't be afraid to aim high with your career!

"My time in AIT allowed me to grow as an individual and gave me great confidence in dealing with people"

Gnó

Business *(Ab initio)*

Course Highlights


Work Placement


Further Study


Study Abroad

Why take this course?

This course 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. It will offer you a distinct advantage in securing graduate employment.

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, 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 abroad at one of AIT's extensive list of 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.

Placement Profile

"Matrix recruitment are extremely impressed with the student placement scheme with AIT. We have had a student with us for the last number of months, she has worked exceptionally hard and has always come with a positive attitude. This placement has given her the opportunity to put the theory of her studies into the reality of a work scenario, and given her the opportunity to reflect on her career plans and achieving those goals.
As a local business, we are delighted to facilitate the placement scheme. We are hoping that this mutually beneficial relationship between AIT and Matrix Recruitment will grow in the coming years."
Marguerite Dowd – Senior Recruitment Consultant, Matrix Recruitment Group (Placement Supervisor)

Industry Partners

Code - AL850
Level - 8
Duration - 4 Years

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.

Graduate Profile

Name: Aidan Reilly
Current position: Senior Analyst in Corporate Actions for Fidelity International

"The Bachelor of Business (Hons) degree definitely prepared me for life after college. I built up good habits regarding my coursework and deadlines. The small class size in AIT meant I was able to forge good relationships with my lecturers. I went on to study further for an MSc in Finance and Information Systems."

For more information on our courses visit www.ait.ie/al850

Cut-off CAO points:
307

Course award:
Bachelor of Business (Hons)

Department:
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
"You'll get to choose an elective in first year which gives students the opportunity to try out modules and see if they like them. I've already garnered such a broad range of knowledge in subjects like economics, which I never in a million years thought I'd find interesting. In the third year of my degree, I'll get the opportunity to go on ERASMUS, the European student exchange programme, to study at one of Athlone Institute of Technology's partner colleges. I'm so excited to study abroad, learn new things and meet new people!" ***Katie Farrell Bachelor of Business (Hons) in Business***

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Gnó agus Dlí

Business and Law

Course Highlights


Further Study


Study Abroad


Live Projects

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. Key transferable skills will be taught and developed throughout the course e.g. writing, research, IT.

Court visits – students will have the opportunity to actively experience the legal system in action.

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 include:

- Problem Solving,
- Projects,
- Essays,
- Examinations.

Study abroad

You have the opportunity to undertake a semester or a year abroad at one of AIT's partner universities. For example, AIT has business and law links with the Universitat Politècnica de València, Spain.

Live projects

Exciting live projects are an integral part of the business & law programme. Such projects include mooting and competing in competitions such as the NUI Maynooth Silken Thomas Intervarsity Mooting Competition and debating competitions such as Irish Times Debating Competition. Regular Field trips to the courts and prisons enhance student knowledge. Students make valuable contributions to the surrounding community through participating in a FLAC service and enjoy social events such as Law Society Ball in aid of Midlands Simon Community.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL851
Level - 8
Duration - 4 years

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 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.

Graduate testimonial
"The Bachelor of Business and Law in AIT provided me with both legal analytical skills and practical business skills for my current role within a corporate law environment. Business subjects such as quantitative techniques and strategic management gave me the ability to analyse financial and qualitative reports, think outside of the box and create new business systems that enable more efficient processes to facilitate the necessary legal administration required in corporate law offices. The law modules were indispensable for developing legal research skills and identifying and appreciating nuanced areas within the legal judgments and legislation of multiple jurisdictions. The research and writing skills provided a great basis upon which to pursue a Master in Health Law and Ethics at RCSI (Royal College Surgeons in Ireland). I believe studying an interdisciplinary degree gave me a competitive edge when applying for roles within corporate law."
Michelle Parkes, A & L Goodbody

**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).*

For more information on our courses visit www.ait.ie/al851

Cut-off CAO points:
301

Course award:
Bachelor of Business (Hons)

Department:
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), or Legal Studies (5M3789). They must also hold distinctions in 3 modules.

Graduate testimonial
"For me, the positives were how interactive the classes were. I take in information better when I'm given practical real life examples of cases or a description of what the lecturers saw in court and how cases were handled."
Meekness Musasa, Business & Law graduate.

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Margaíocht Dhigiteach

Digital Marketing

Course Highlights

Further Study

Industry Certification

Why take this course?

The 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.

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?

During 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 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 abroad at one of AIT's 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 analtyics 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

Applied learning

All modules have an applied element, especially the module in SEO and Web Usability where a live inbound marketing campaign is evaluated with the view to improving online traffic to a given website by increasing the site's visibility in the search engine results (SERP). The students use advanced web usability (heat maps, user testing), which monitors peoples' behaviour after they arrive on your website in order to improve the user experience and conversion rate.

Industry Partners

dpd

CARROLL'S

Code - AL751
Level - 7
Duration - 3 years

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 abilty to work in junior positions in SMEs enterprises where the demands for marketing with social media skills are apparent.

Industry partner & industry certification

All students have the option of seeking the following additional certification when completing this programme.

Hubspot Inbound Marketing Certification (SEO Module)
HubSpot Inbound Certification covers the basics of inbound and consists of four stages of the inbound methodology, including optimising a website, landing page anatomy and honing inbound sales skills.

Google Analytics for Beginners Certification (SEO Module)
The Google Analytics for Beginners Certification exam measures a student's proficiency in Google Analytics.

Advanced Google Analytics Certification (Advanced Web Analytics Module)
Advanced Google Analytics Certification shows students how data gets collected and processed into readable reports. Students will learn how to use configurations like Custom Dimensions, Custom Metrics, and Event Tracking to collect data.

Google AdWords Fundamentals Certification (Advanced Web Analytics Module)
The Google AdWords Fundamentals Certification assessments covers basic and intermediate concepts, including the benefits of online advertising and AdWords, and best practices for managing and optimising AdWords campaigns.

Google Search Advertising Certification (Advanced Web Analytics Module)
Students will learn and gain the proficiency and knowledge required for managing, optimising, measuring, and creating Search campaigns.

For more information on our courses visit www.ait.ie/al751

Cut-off CAO points:
226

Course award:
Bachelor of Business

Department:
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.

Industry Certification

Google AdWords

Google Analytics

HubSpot

Student Testimonial
"I've always had a passion for social media, together with digital marketing it's the way of the future. Most businesses rely heavily on channels like social media to get their products or services out there and, as a result, graduates with digital skills are in high demand. Many of these jobs, like social media management, didn't exist 10 years ago, but now they are a must for any business looking to compete in an over-saturated marketplace. I love every aspect of my course, from learning about different marketing trends to learning how to utilise different marketing tools and channels. My lectures are extremely engaging and cultivate a really fun, friendly and enjoyable learning atmosphere."
Shannon McGovern, Bachelor of Business in Digital Marketing

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Margaíocht Dhigiteach

Digital Marketing *(Add-on)*

Course Highlights

Further Study

Live Projects

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 competent digital marketing professionals capable of carving out a successful career in this exciting and dynamic field.

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.

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 Graduates will be equipped with the skills to work in both an in-house and agency setting. Graduates have secured gainful employment in 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.

Live project
The Applied Digital Project provides students with an engaging and innovative learning platform which replicates the work realities graduates will experience in employment. The Applied Digital Project provides students with the skills necessary to take an applied digital project proposal, which has been developed and presented to a real life client and transform it into a live digital marketing project, to include: a digital marketing strategy, web analytics, search engine optimisation, digital content management and ethics, under the guidance of the supervisors.

Further study
As a graduate of this programme, you are eligible to be considered for the Master of Business, Master of Science in Data Analytics or undertaking a Master's degree by Research. Full details of our AIT postgraduate programmes are contained within the AIT postgraduate prospectus.

Industry Partners

dpd
CARROLL'S

Add-on course
Level - 8
Duration - 1 Year

Graduate Profile

Name: Mark Lynch
Position: Inbound Marketing Associate, Dot Dynamic (Co Longford)
Course: Bachelor of Business (Hons) in Digital Marketing *(Course Code: AL857)*

"Digital marketing was the perfect fit for me because it allowed me to embrace both my creative and analytical side. I was consistently given the opportunity to apply the theoretical knowledge and business acumen garnered over the course of my four-year degree in a 'real-world' context. In my final year, I worked with Henshaw Eyewear as part of my final year project. Working with a real business - helping them set and achieve strategic digital marketing goals – gave me invaluable, industry-relevant experience to add to my portfolio. I finished up in Athlone Institute of Technology confident that I'd been equipped with the skills, competencies and experience necessary to carve out a successful career in digital marketing."

Course award:
Bachelor of Business (Hons)

Department:
Business & Management

Minimum entry requirements:
Bachelor of Business in Digital Marketing or a Bachelor of Business which has a significant digital marketing element.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Industry Certification

Google AdWords
Google Analytics
HubSpot Inbound Certification

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
Owen Ross
Head of Department of Business and Management
Tel: +353 (0)90 647 1895
Email: oross@ait.ie

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

Margaíocht Dhigiteach

Digital Marketing

Course Highlights


Live Projects


Further Study


Study Abroad


Industry Certification

Why take this course?

The digital economy is booming and with more and more brands putting a focus on digital marketing, demand for suitably qualified candidates is skyrocketing. As a result, digital marketing is one of the few sectors where demand for graduates is exceeding supply. In fact, the digital skills gap is so great, the European Commission has estimated that there are 900,000 unfilled digital jobs across Europe. It's clear that a qualification in digital marketing will go a long way towards future-proofing your career and increasing things like job security.

It's important to note, digital marketing is what we call a 'broad church' discipline which means it caters for a wide variety of interests and abilities. Among the most in-demand digital marketing skills currently are digital advertising, content and digital asset creation, content strategy and social media marketing. This is great news for creative types! For those who veer more towards the more analytical end of the spectrum, hard skills, including advanced data analytics, never go out of fashion.

Students undertaking this four-year honours degree programme will learn digital marketing theory, for example, cyber psychology, whilst getting hands-on practical experience from academics with industry experience. This will be crucial to your constant development and upskilling because digital marketing is an ever evolving, fast-moving field.

Our much sought-after graduates have found employment in digital marketing agencies and SMEs in the Midlands and beyond. If you have an interest in business, marketing and both the creative and scientific aspects of digital, then this course is ideal for you.

What will I experience?

During this degree, you will:

- Develop creative content, apply SEO and explore cyberpsychology and its ability to alter human behaviours within the context of real life 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' wealth of industry experience and the faculty's extensive links with industry, commerce and the public sector.
- Undertake a semester or a year abroad 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?

By 2020, Ireland's digital economy is expected to exceed €21.1 billion, creating 150,000 jobs in the process. Graduates will develop the skills necessary to qualify them to work in an in-house and agency capacity which is key to rounding out their skillset. 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

- 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 a particular subject area including:

- Creative Content
- SEO and Web Usability
- Advanced SEO and Web Usability
- Cyber Psychology and Behaviour

Industry Partners

dpd CARROLL'S

Code - AL857
Level - 8
Duration - 4 years

- Market Research and Analysis
- Managerial Finance
- Business Modelling and Enterprise
- Digital Marketing Strategy

Year 4
Reinforce core digital marketing understanding and specialise in a particular subject area including:

- 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 apply for a level 9 master's programme such as a Master of Business here at AIT. Full details of our postgraduate programmes are contained in the AIT postgraduate prospectus.

Career prospects
This qualification will furnish you with a wide and varied skillset meaning you will have the ability to work in enumerable in-house and agency positions where the demands for marketing with social media skills are apparent. Graduates from this degree have secured employment in many roles such as: Digital Marketing Assistant, Web Designer, Social Media Marketing, Digital Marketing Manager and SEO Consultant.

Industry certification
All students have the option of seeking the following additional certification when completing this programme:

- Hubspot Inbound Marketing Certification (SEO Module)
- Google Analytics for Beginners Certification (SEO Module)
- Advanced Google Analytics Certification, (Advanced Web Analytics Module)
- Google AdWords Fundamentals Certification (Advanced Web Analytics Module)
- Google Search Advertising Certification (Advanced Web Analytics Module)

For more information on our courses visit www.ait.ie/al857

Cut-off CAO points:
299

Course award:
Bachelor of Business

Department:
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 three modules.

Industry Accreditation

Google AdWords HubSpot

Student Testimonial
"The digital degree has been a challenging but fun learning experience for me. Lecturers are really approachable and the practical examples and hands on projects help me to explore and understand the digital marketing industry."***Amy Gilton, Digital Marketing student***

Contact us
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Head of Department of Business and Management
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Email: oross@ait.ie

Graduate Profile

Name:
Jessica Hevican
Position: Trainee Account, Grant Thornton
Jessica Hevican
Course:
Bachelor of Business (Hons) in Business and Law *(CAO Course Code: AL851)*

Business and Law is a challenging yet rewarding programme that covers a multitude of different subjects and offers students endless possibilities. This has allowed me to explore and discover the areas that best complemented my personality and ability. Through this, I discovered my passion for accountancy. The course material is extremely interesting and was delivered by knowledgeable and enthusiastic lecturers in a small classroom setting. Due to the small class sizes, discussions, presentations and group work became a core element of this course. As a student, this enabled me to feel more at ease and gave me more confidence to express my ideas and opinions in a group setting. Lecturers actively encouraged out of class learning and went above and beyond to organise tours and provide platforms so students could voice their thoughts on legal issues.

Since finishing the programme, I've been offered full-time employment as an audit trainee with a reputable accountancy firm. I believe that my four years in the business and law programme has prepared me well for the working world, for which I am truly grateful. It has allowed me to develop a number of skills that I still frequently use today. This course has taught me to be self-disciplined and the importance of time management. These abilities are paramount when you enter a fast-paced working environment.

As well as working full time, I am also undertaking further study with the Chartered Institute of Accountants. The content of the syllabus is quite challenging; however, I have learned several exam techniques from studying Business and Law which I know will make this process a little bit easier. Choosing to study business and law in Athlone Institute of Technology is without a doubt one of the best decisions I have ever made. It has not only provided me with a breadth of knowledge but it has also facilitated my personal growth.

"Choosing to study business and law in AIT is without a doubt one of the best decisions I have ever made"

Graduate Profile

Name:
Niall O'Connor
Course:
Bachelor of Business (Hons) in Business *(CAO Course Code: AL850)*

Why did you choose AIT?
Speaking to friends and family who have graduated from AIT, I was told about the vast selection of courses that are available and how friendly and approachable the teaching staff are. I think it's important that you're able to build a relationship with your lecturers and tutors, I really felt welcome within my first week studying in AIT.

Tell me about your specific course. What led you to choose it?
I'm in my final year of my Bachelor of Business (Hons) Degree. I think any Leaving Certificate student who isn't sure about what they want to do in the future should really consider this course. We covered such a vast array of topics from marketing and human resources to accounting, it and law. I know the career path I want to follow thanks to the great selection of modules in this course. You don't need a strong background in business, I loved physics in school but now I'm excited about graduating and beginning a successful career in Business.

Do you feel that the course is preparing you for your life after college or further studies?
I was so nervous about getting up and speaking in front of people, it's something I've always dreaded! Studying this course has genuinely helped me deal with this. If you're looking for a career in business or finance you need to be a confident speaker to be able to communicate and get your point across. With support and guidance from lectures and the experience of working in groups, I now enjoy speaking to groups of people. Once you start interviewing with potential employers you quickly realise that this is a skill they value, AIT know this and ensure students are ready to tackle those interviews after graduating!

Did you get to go on placement or on Erasmus?
As part of our course, we had five months of industry placement in third year. I know when most students read that they'll groan and dread the thought of going out and doing 9-5 Monday to Friday, but it really was a great experience! Being on work placement as a student allows you a little more freedom than you would have if you were a full-time employee with that company. It's about asking questions, learning new skills, making mistakes and meeting new people. It's the best part of the course and a great opportunity for students to get out in the working world!

Finally, what advice would you give to other students interested in pursuing your course?
Try and find out as many details about the course as you can. Read the course structure and find out as much as you can about the modules that you will be taking. When it comes to choosing electives don't rush the decision, sometimes students don't take this decision seriously and end up doing whatever their friends are doing. In your first week of study, you can go along to each elective and get a feel for them, if there's one you enjoy then go for that one! When the exams roll around it's much easier to study for a subject you actually enjoy!

"Being on work placement allows you more freedom than you would have if you were a full-time employee. It's about asking questions, learning new skills, making mistakes and meeting new people"

Gnó

Business

Course Highlights

Further Study

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.

Graduate Profile

Name: Kate McCormack
Position: Higher Certificate in Business

"AIT is my home away from home. It's my father's Alma Mater and so, I wanted to follow in his footsteps. I enrolled in the Higher Certificate in Business, which is an NFQ Level 6 course because I wasn't sure which aspect of business I wanted to specialise in. I've since realised that marketing is where my interest lies. My advice to any prospective students who are unsure like I was, go for this course, it's broad and will give you a good grounding in everything from marketing to maths. For some people, taking a stepping stone approach to their education is more feasible than a straight four-year degree. The Higher Certificate in Business is a two-year commitment from which you can choose to do an add-on year, giving you an ordinary degree or two additional add-on years, giving you a level 8 honours degree. You'll still achieve the same end - a quality education."

Industry Partners

npd

Code - AL650
Level - 6
Duration - 2 years

Cut-off CAO points:
210

Course award:
Higher Certificate in Business

Department:
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

"My lecturers are extremely engaging and use real-life situations to help contextualise academic material. By couching theory in real-world examples, my fellow students and I find it easier to understand and remember the learning material. This also makes the lectures incredibly interesting! That aside, the college facilities and student services are second to none - everyone is extremely approachable and friendly. I'm going to use this higher certificate as a stepping stone to completing my bachelor's degree." ***Jordan Murphy, Higher Certificate in Business***

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For more information on our courses visit www.ait.ie/al650

Gnó

Business *(Add-on)*

Course Highlights

Further Study

Study Abroad

Why take this course?

Flexibility is key across our range of highly successful business programmes. This affords you the option to be as specialised or as generalised as you wish while acquiring a comprehensive knowledge and understanding of the modern business world. You may decide to specialise 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 online 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 multinational 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 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.

Industry Partners

npd

Add-on course

Level - 7

Duration - 1 year

Course award:
Bachelor of Business

Department:
Business & Management

Minimum entry requirements:
A Higher Certificate in Business or an approved equivalent level 6 qualification is required.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"We were encouraged to learn new things and provided with online resourcest hat greatly assisted us." ***ISSE Survey, Business student***

Contact us
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Email: oross@ait.ie

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

International Business *(With a mandatory language)*

Course Highlights


Work Placement


Further Study


Study Abroad

Why take this course?

Stand out from the crowd with an honours degree in International Business with a choice of French or Chinese as a mandatory language option. This course will open up a range of opportunities in terms of your future career direction and prospects from both a domestic and international perspective. Combining studies within the core business disciplines with an international focus, 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 an international business setting. It 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 international business subjects of accounting, finance, economics, management, marketing, human resource management and computing with a focus on how companies do business in an international setting. The inclusion of a 20-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, you will benefit from a 20-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 abroad at one of AIT's extensive list of 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 a 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.

What will I study?

Year 1

Learning and Development for Higher Education, Financial Accounting, Management, Microeconomics for Business, Computer Applications, Business Mathematics, Marketing, Macroeconomics for Business.

Electives: French, Chinese, Business English (one to be chosen and carried throughout the course. Business English is only available to international students.

Year 2

Information Technology and Computer Applications, Human Resource Management, Applied Entrepreneurship, Management Accounting, Business Law Fundamentals.
Electives: Operations & Supply Chain Management, French, Chinese, Business English.

Year 3

Business Modelling & Enterprise, Contemporary Issues in International Business, Business Finance, International Business Negotiation, Industry Placement (20 weeks).
Electives: French, Chinese, Business English.

Year 4

Cultural Diversity & Employability, Strategic Management, Global Finance, Applied International Consulting Project, Supply Chain Management.
Electives: Systems and Project Management, French, Chinese, Business English.

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.

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.

Work Placement

Students will gain a minimum of 20 weeks placement in an industry related area in order to facilitate experiential learning. This placement process will occur in conjunction with an industry partner and can take place both domestically and internationally.

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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL859
Level - 8
Duration - 4 years

New Course

Bachelor of Business (Hons) in International Business (with a mandatory language)

Career prospects

As an honours international business graduate with a foreign language, 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.

Cut-off CAO points:
New

Course award:
Bachelor of Business

Department:
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.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

For more information on our courses visit www.ait.ie/al859

Contact us
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Email: oross@ait.ie

International Business Management *(Add-on)*

Course Highlights

Further Study

Why take this course?

This programme 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 students 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 organisations 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 recognised for its high-quality student experience. Students can progress to a Bachelor of Business (Hons) in Business degree or a Bachelor of Arts (Hons) 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, 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) in Business 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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Add-on course

Level - 7

Duration - 1 year

Course award:
Bachelor of Business

Department:
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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"The institution provides good lecturing staff who provide students with the skills to engage in both individual and group learning."
ISSE Survey, International Business Management Student

Contact us
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Email: oross@ait.ie

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

Gnó

Business

Course Highlights

Further Study

Study Abroad

Why take this course?

This programme will furnish you with the business skills and knowledge required to have a successful career in industry, commerce or the public sector. You will gain a deep understanding of the functional areas of business and the factors that influence success. By graduation, you will be proficient at problem solving in a business context. You will also learn the importance of getting buy-in from key stakeholders, including staff, from a public relations standpoint. During the degree programme, students generally experience a marked improvement in their communication and interpersonal skills.

Our Bachelor of Business programme is extremely flexible and affords students the ability to tailor the course making it as generalised or specialised as desired. This is achieved through the wide variety of elective modules on offer. Areas that students often choose to specialise in include: marketing, finance, IT or management though to a general pathway covering the wide range of business subjects is also on offer. No matter what route you choose, students will acquire a comprehensive understanding of the modern business world.

If you have an interest in business and the complex interplay between people, organisations and their environment, then this course is for you. If you choose to undertake this degree, you will also have an opportunity to study abroad for a semester or a full year with one of our prestigious partner universities.

What will I experience?

With an international and diverse student cohort, students will enjoy a truly globalised learning experience. This coupled with your lecturers' vast industry experience and the faculty's extensive links with industry, commerce and the public sector, will influence and enrich your academic experience here at AIT.

Over the course of your three years, you will have the opportunity to study the major disciplines in business: accounting, finance, economics, management, marketing and human resources management. You will also have access to state-of-the-art IT facilities and upgraded study areas.

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 Moodle, our virtual learning environment system (VLE).

What job opportunities might it lead to?

This three-year degree programme will prepare you for a successful business career. Areas you can specialise in include: accounting, banking, insurance, marketing, management, administration, retail services and computing.

Our sought-after graduates have gone on to pursue a wide variety of careers in companies ranging from small indigenous Irish companies to large multi-national corporations. Our award-winning careers team will be on hand to prepare you for the world after graduation. Students can avail of CV building workshops, as well as general career advice. Our team will even go as far as offering to arrange job interviews with prospective employers.

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.

Year 3

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

Industry Partners

Code - AL752
Level - 7
Duration - 3 years

- Essays
- Examinations

Study abroad
Students undertaking this programme have the opportunity to study abroad at one of AIT's overseas partner universities. AIT has business links with the Karel de Grote University College, Belgium and Université de Rennes, France.

Further study
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.

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.

Cut-off CAO points:
228

Course award:
Bachelor of Business

Department:
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.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Student testimonial
"My Lecturers are extremely engaging and use real-life situations to help contextualise academic material. By couching theory in real-world examples, my fellow students and I find it easier to understand and remember the learning material. This also makes the lectures incredibly interesting! That aside, the college facilities and student services are second to none - everyone is extremely approachable and friendly. I'm going to use this Bachelor of Business as a stepping stone to completing my honours degree." ***Sherrif Shobowal, Bachelor of Business student***

For more information on our courses visit www.ait.ie/al752

Contact us
Owen Ross
Head of Department of Business and Management
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Email: oross@ait.ie

Gnó

Business *(Add-on)*

Course Highlights

Further Study

Why take this course?

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 of this level 8 degree is to help you 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 inter-relationships 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 Moodle, an online learning resource that is 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 email, notices. This course will furnish you with professional skills such as:

- Literacy, numeracy and IT skills.
- People-related skills – such as communication, interpersonal, team-working, customer-service skills.
- 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, two and three hour final written exams, group and individual oral and written presentations, essays (a book review or reflective report), oral examinations in languages and case study presentations. There are also 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 pursue a Master of Business one-year, full-time programme at AIT or another institution. Full details of our 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.

Industry Partners

npd

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Business (Hons)

Department:
Business & Management

Minimum entry requirements:
Bachelor of Business (level 7) qualification is required.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"Students enjoy fantastic lecturer/learner interactivity which makes class so much more enjoyable." ***ISSE Survey, Bachelor of Business student***

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

Faculty of Engineering & Informatics

www.ait.ie/engineering

Dean of Faculty - Dr Seán Lyons / **Email:** slyons@ait.ie / **Tel:** +353 (0)90 6468150

"Our courses are designed to bridge the gap between academia and industry by anticipating and addressing future and current skill needs. Through applied, engaging and informed syllabi with industrial placements and live projects, we prepare our student community to be the leaders of tomorrow, with the skills to forge impactful careers in an ever evolving employment landscape." *Dr Seán Lyons*

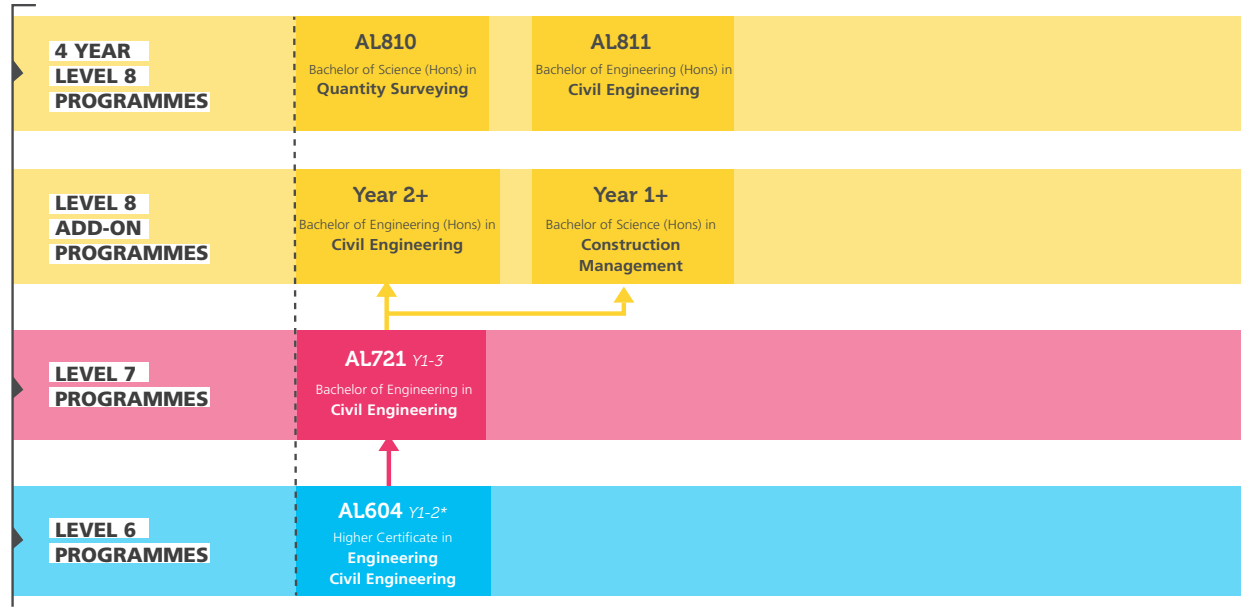
Engineering & Informatics Programmes

Civil Engineering & Trades

Computer and Software Engineering

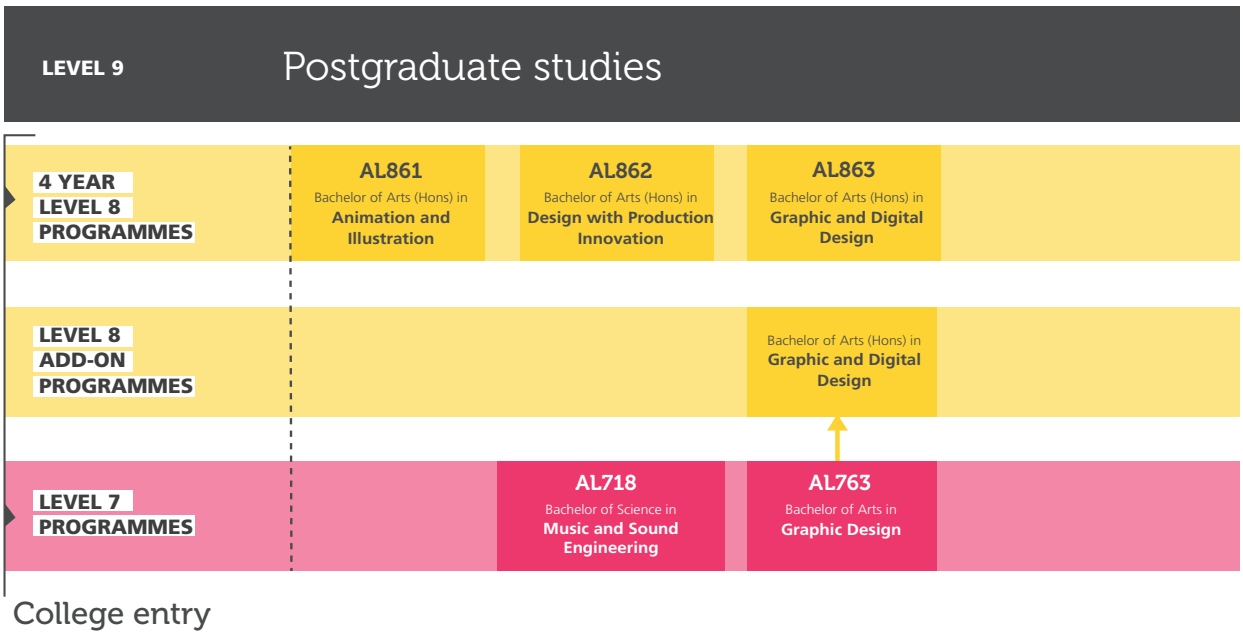
Polymer, Mechanical and Design

Civil Engineering & Trades progression options



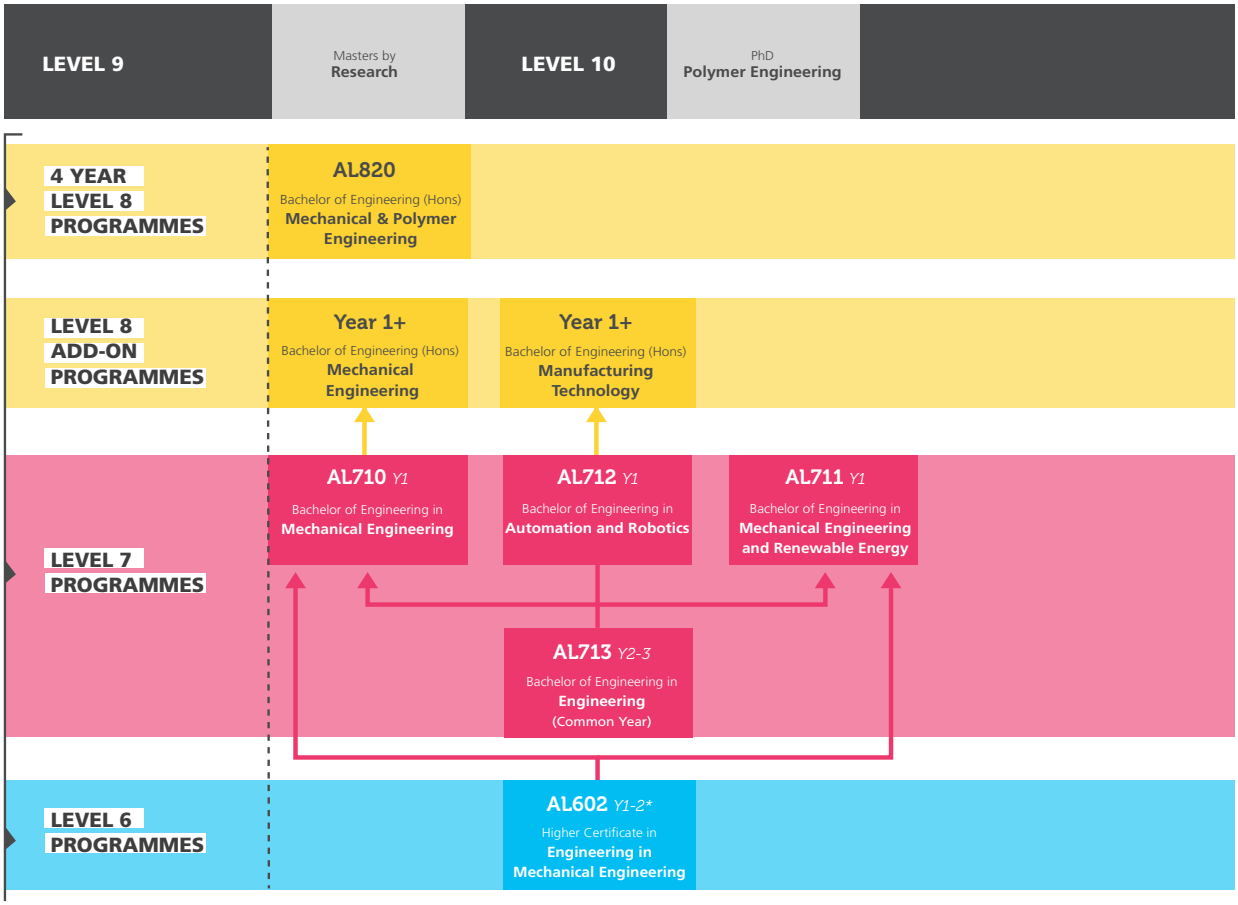
College entry

Design progression options



College entry

Polymer & Mechanical progression options



94% of 2018 graduates from the Faculty of Engineering & Informatics were either employed, in training or in further study six months after graduation.

Suirbhéireacht Chainníochta

Quantity Surveying

Course Highlights


Work Placement


Further Study


Professional Accreditation

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 four-year programme offers specialisms in Building Information Modelling (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 Quanitity Surveying and explore Building Information Modelling and the Cost Management of Mechanical and Electrical Services Technology. The programme includes a minimum of 24 weeks 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 ConstructionTechnology, 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 recognised 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, 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, in 2020 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 minimum of 24 weeks 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.

Career prospects

As a graduate of this programme, you can expect to find employment as a Quantity Surveyor in a wide range of sectors, including the data, pharmaceutical, agri-food, large scale

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Code - **AL810**
Level - **8**
Duration - **4 years**

commercial construction sectors; in chartered surveying consultancies, working in dedicated M&E specialist departments; or working as a quantity surveyor 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.

"With output at its highest rate since 2001, and 50% more professionals employed in the sector compared to 2013, there is increased confidence in the construction industry across all regions. Skills shortages are hampering the ability to meet demand." *SCSI/PwC Construction survey*

Cut-off CAO points:
307

Course award:
Bachelor of Science (Hons)

Department:
Civil Engineering & Trades

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) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Student testimonial
"The lecturers relate course work to a work enviroment, and they can back this up with their own experience." ***ISSE Survey, Quantity Surveying student***

For more information on our courses visit www.ait.ie/al810

Contact Us
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Bachelor of Science (Hons) in Quantity Surveying

Innealtóireacht Shibhialta

Civil Engineering

Course Highlights

Work Placement

Professional Accreditation

Why take this course?

Civil Engineering deals with the design, construction and maintenance of the physical and built environment. Civil Engineers play an essential role in solving some of the most pressing problems facing humanity, including concerns about planning, transport, energy and the environment. A career in Civil Engineering allows graduates to make a real contribution to improving peoples everyday lives by planning, designing, constructing and managing large-scale building projects, from roads to skyscrapers, hospitals to wind farms and airports to sea ports.

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 with the needs of society.

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. As a civil engineer, your work will require a diverse skill set, so the course has been designed to ensure you have the cutting edge knowledge to tackle complex problems in areas such as 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 all aligned to real word examples and situations.

Integral to the programme is an extended Industrial Placement, which offers invaluable 'hands on' experience in civil engineering companies, 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 1
- Soil Mechanics & Technology 1
- Surveying 1
- Building Information Modelling 1
- Structural Engineering 1
- Mechanics 1

Year 1 – Semester 2

- Engineering Mathematics 2
- Soil Mechanics & Technology 2
- Surveying 2
- Structural Engineering 2
- Building Information Modelling 2
- Commercial Construction Technology 1

Year 2 – Semester 3

- Engineering Materials 1
- Engineering Mathematics 3
- Structural Analysis and Design 1
- Environmental Engineering and Hydraulics 1
- Geotechnical Engineering 1
- Fluid Mechanics

Year 2 – Semester 4

- Engineering Mathematics 4
- Structural Analysis and Design 2
- Environmental Engineering and Hydraulics 2
- Construction Management
- Engineering Materials 2
- Geotechnical Engineering 2

Year 3 – Semester 5

- Engineering Mathematics 5
- Hydraulics 2
- Structural Design 3
- Structural Analysis 3
- Engineering Geology and Soil Mechanics 1
- Mechanics of Solids 1

Year 3 – Semester 6

- Environmental Engineering
- Mathematical Modelling For Engineers
- Hydraulics 3
- Highway Design 1

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Code - AL811
Level - 8
Duration - 4 years

New Course

- Structural Design 4
- Structural Analysis 4

Year 4 – Semester 7
- Work Placement
- The Engineer in Society
- Construction Management

Year 4 – Semester 8
- Scheme Design
- Foundation Engineering
- Traffic Engineering
- Geotechnical Engineering 3
- Project

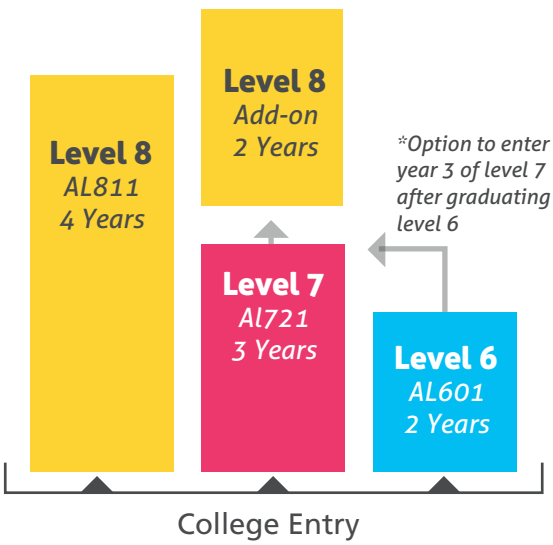
Additional information

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.

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.

Progression Pathway



For more information on our courses visit www.ait.ie/al811

Cut-off CAO points:
New

Course award:
Bachelor of Engineering

Department:
Civil Engineering & Trades

Minimum entry requirements:
Leaving Certificate:
6 subjects with at least 2 subjects at Higher Level Grade H5 or better.
4 subjects at Ordinary Level Grade O6 or Higher Level Grade H7.
Subjects required:
• English or Irish at Ordinary Level Grade O6 or Higher Level Grade H7 or better.
• Mathematics at Higher Level Grade H4 or better

QQI:
QQI applicants to this programme must hold the following award: construction technology (5M5010). They are also required to have the module mathematics (5N1833) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules. Must also possess mathematics at honours level in the Leaving certificate.

Contact Us
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Innealtóireacht Shibhialta

Civil Engineering

Course Highlights

Professional Accreditation

Further Study

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 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:

- Applied Technology and Modelling
- Engineering Science and Materials
- Structural Mechanics
- Engineering Surveying
- Learning to Learn and Computer Applications
- Mathematics

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 ability to use computer based drawing systems – AutoCAD and Revit.
- The mathematical techniques essential for this course of study.
- The competence to interpret and apply technical guidance documents and related codes.
- The confidence to communicate technical information
- An understanding of scientific methods used in an engineering context.
- The practical application of surveying principles and techniques.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - **AL604**
Level - **6**
Duration - **2 years**

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, practical, 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

Further study

If you choose this level 6 programme, you can graduate after two years and can enter the workplace at that stage with a recognised qualification. Alternatively, if you choose to continue your studies, you can progress all the way to the BEng (Hons) 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 recognised under the Washington Accord by more than 40 countries worldwide including, among others, the EU, US, Australia and Canada.

For more information on our courses visit www.ait.ie/al604

Cut-off CAO points:
252

Course award:
Higher Certificate in Engineering

Department:
Civil Engineering & Trades

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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

Joe Lawless
Head of Department of Civil Engineering & Trades
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Email: jlawless@ait.ie

Innealtóireacht Shibhialta

Civil Engineering

Course Highlights


Professional Accreditation


Further Study


Study Abroad

Why take this course?

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 will:

- 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?

A degree in Civil Engineering opens the door to a range of career opportunities in both the public and private sector. Whether it be in a 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 provides. In particular with the emergence of Building Information Technology (BIM) as the cornerstone to all engineering projects, it means graduates can now pursue the career of BIM co-ordinator 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 first year modules include:

- Applied Technology and Modelling
- Engineering Science and Materials
- Structural Mechanics
- Engineering Surveying
- Learning to Learn and Computer Applications
- Mathematics

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:

- Structural Analysis and Design
- Geotechnical Engineering
- Environmental Engineering and Hydraulics
- Costing and Engineering Management
- Project and CAD
- Engineering Materials
- Engineering Mathematics

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. This course provides the graduates with:

- An understanding of the major components of business planning and management.
- 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.

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

WhatsApp Us

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Code - AL721
Level - 7
Duration - 3 years

standard of Associate Engineer by Engineers Ireland. This qualification is recognised under the Washington Accord, by more than 40 countries world-wide, including: 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

Cut-off CAO points:
217

Course award:
Bachelor of Engineering

Department:
Civil Engineering & Trades

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively have Leaving Certificate mathematics.

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

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***

For more information on our courses visit www.ait.ie/al721

Contact Us
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Bachelor of Engineering in Civil Engineering

Innealtóireacht Shibhialta

Civil Engineering *(Add-on)*

Course Highlights


Work Placement


Further Study


Professional Accreditation

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.

This programme 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 and employs reports, design projects, presentations, posters, interviews and exams.

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 a research master's or PhD.

What will I study?

Year 1 - Semester 1

- Hydraulics 4.1
- Structural Analysis 4.1
- Structural Design 4.1
- Engineering Geology and Soil Mechanics
- Mechanics of Solids 4.1
- Engineering Mathematics 4.1

Semester 2

- Hydraulics 4.2
- Structural Analysis 4.2
- Structural Design 4.2
- Engineer in Society
- Research Methodology
- Engineering Mathematics 4.2

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 and a thesis.

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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Add-on course

Level - 8
Duration - 2 years

Further study

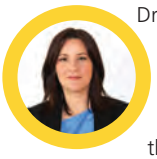
Graduates may also pursue further studies by completing taught programmes or undertaking research master's or PhD projects.

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.

Faculty Profile

Name: Dr Attracta Foley
Course: 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.

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

Course award:
Bachelor of Engineering (Hons)

Department:
Civil Engineering & Trades

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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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 Engineering & Trades
Tel: +353 (0)90 6471824
Email: jlawless@ait.ie

Tógáil Bainistíocht

Construction Management *(Add-on)*

Course Highlights

Further Study

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 Contruction 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 (BIM) 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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Civil Engineering & Trades

Minimum entry requirements:
Level 7 qualification in construction studies, construction management, civil engineering or related discipline.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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

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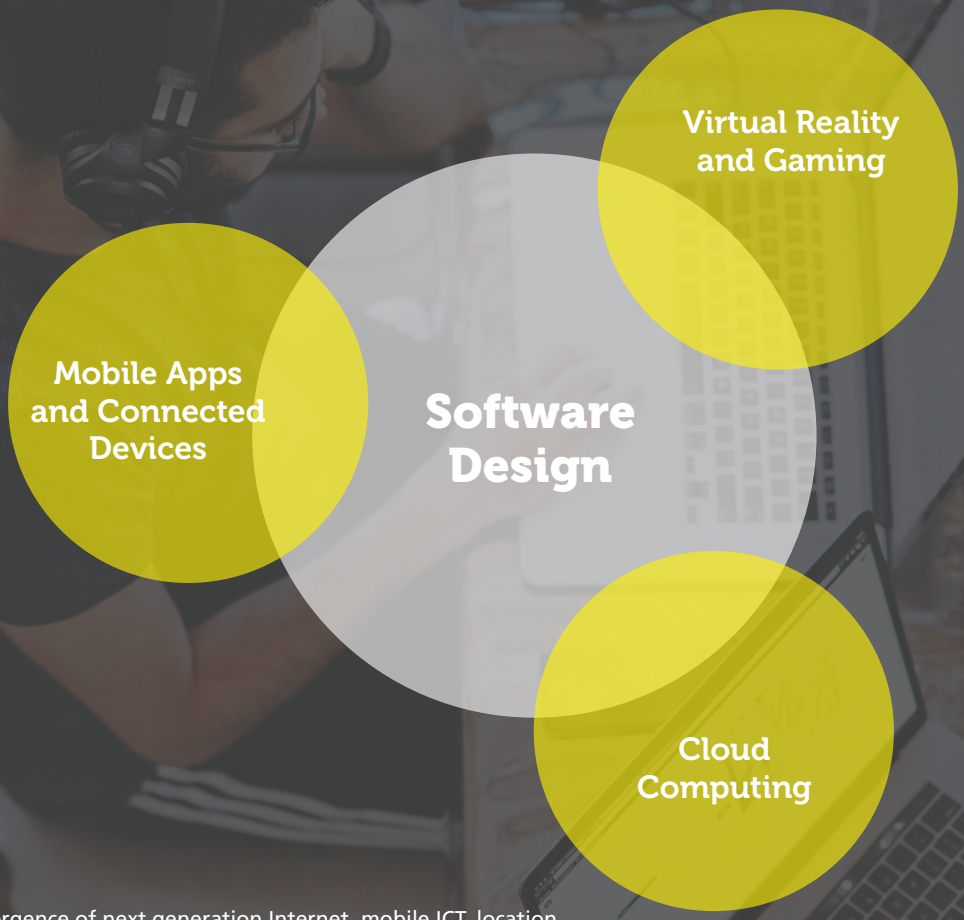
For more information on our courses visit www.ait.ie/courses

Software Design

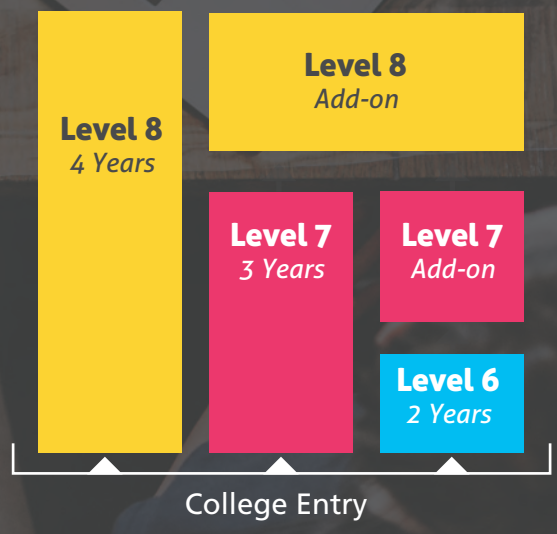


The emergence of next generation Internet, mobile ICT, location based services and the exponential growth of social networking have driven innovation and new revenue streams for firms of all sizes. According to Irelands Skills Strategy 2025, there are skills shortages for professionals and associate professionals across sectors in many areas of ICT. The shortage of ICT talent is potentially significant for a number of sectors where ICT skills are needed, in particular software design. Ireland is likely to face an average increase in demand for high-level ICT skills of around 5% a year with the employment of ICT professionals anticipated to rise to just over 91,000. Globally, the sector is in the midst of a disruptive growth and innovation phase. This includes the adoption of cloud computing, the penetration of mobile devices and technologies and the Internet of things, the emergence of interactive technologies such as virtual reality and augmented reality. This disruptive change presents challenges in terms of the supply of ICT talent. However, the opportunities are enormous for those countries that respond best in meeting these new skills needs according to the governments ICT skills plan.

Based on the significant industrial interaction by the Department of Computer and Software engineering with over seventy companies, we have developed expertise though collaborative research projects in the following software design areas:

- **Virtual Reality & Gaming**
- **Mobile Apps & Connected Devices**
- **Artificial Intelligence for Cloud Computing**

Progression Route



Dearadh Bogearraí le Réaltacht Fhíorúil agus Cluichíocht

Software Design with Virtual Reality and Gaming

Course Highlights

Work Placement *Further Study* *Study Abroad*

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. Ireland's reputation as a centre of software excellence is unrivaled in Europe. It is home to multinational and indigenous firms generating €16 billion of exports annually. The sectors wide-ranging activities include software development, R&D, business services and EMEA/International headquarters.

Game development is one of the fastest growing sectors in the entertainment industry. Annual video games sales are approximately €30 billion and are expected to rise to €40 billion in the next four years. The value of the computer games industry worldwide is in excess of €85 billion and it is an area with enormous potential for development. Last year, there was global investment of over €3 billion in Virtual Reality (VR) and Augmented Reality (AR) industries. It reflects the exciting potential to provide immersive environments in gaming and movies that were not possible before now. Our VR and Gaming specialisation prepares you to work as a software developer in these fast-paced industries. As a student on this course, you'll work with the latest tools and technologies to enhance your skillset. Software development languages, tools and methodologies provide the backbone of this programme. These skills are critical to following a career in the game development industry but they also have widespread application across many domains.

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 while allowing you to change your specialisation entering second year if you have the required CAO points. 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.

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 is your oyster.

Further study

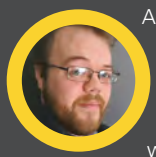
Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (level 9) at AIT or appropriate postgraduate programmes at other third level institutions.

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.

Graduate Profile

Name: Dr Kieran Flanagan
Course: Software Design with Virtual Reality and Gaming
Company: NPD Group, Athlone
Role: Operations Specialist, Software Engineer



A former graduate of the BSc in Software Design with Virtual Reality and Gaming, Kieran recently graduated from AIT with a PhD (Software Engineering). His research focused on machine learning and data analytics and was collaboratively funded by NPD Group, Inc. Based in Athlone NPD Group works with over 2000 companies worldwide to help them measure, predict and improve performance through the analysis of point-of-sales data. Kieran currently leads a team within NPD Group creating software products based on his research findings.

Dearadh Bogearraí le Réaltacht Fhíorúil agus Cluichíocht

Software Design with Virtual Reality and Gaming

What will I study?

Year 1
Digital Media, Mathematics for Software Design, Software Development, Web Development, Game and Virtual Reality, Agile Methodologies, Mobile Apps and Connected Devices, Communications, Computer Applications.

Year 2
Mathematics for Software Design, Software Development, Agile Methodologies, Software Development for Gaming, Databases, Game Development, Networks, Game AI and Physics, Group Project.

Year 3
Operating Systems and Concurrency, Software Development, Software Engineering, Software Development for Gaming, Game Hardware, VR Application Development, Placement.

Year 4
Project, Computer Graphics, Networks, Management and Organisational Behaviour, VR and Gaming Technology, Real-time Rendering for VR, Databases, The Engineer in Society, Security, Distributed Systems.

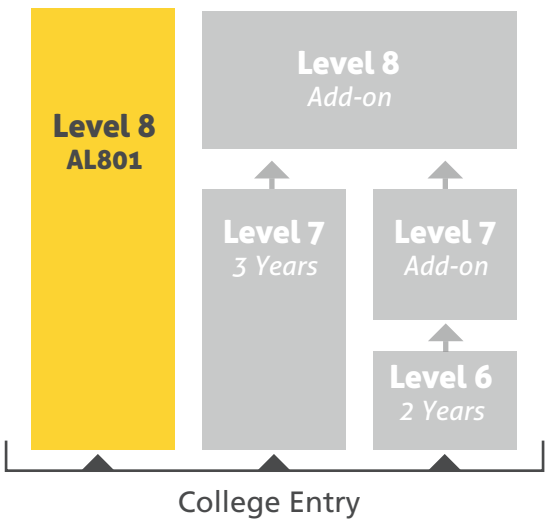
Work placement

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 is your oyster.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.



Code - AL801
Level - 8
Duration - 4 years

Cut-off CAO points:
304

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Grade H5 at higher level in two subjects, plus Grade 06 at ordinary level 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 Software Development (5M0529) and the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

Student testimonial
"The mix of theory and practical labs on this course gives you the key skill sets needed to continuously learn and work with new technologies in Industry. Work placement in 3rd year is hugely beneficial and an enjoyable 6 months."
Tommy Hamm, Ericsson employee

Contact us
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Email: efallon@ait.ie

Dearadh Bogearraí le Réaltacht Fhíorúil agus Cluichíocht

Software Design with Virtual Reality and Gaming

New Course

What will I study?

Year 1
Digital Media, Mathematics for Software Design, Software Development, Web Development, Game and Virtual Reality, Agile Methodologies, Mobile Apps and Connected Devices, Communications, Computer Applications.

Year 2
Mathematics for Software Design, Software Development, Agile Methodologies, Software Development for Gaming, Databases, Game Development, Networks, Game AI and Physics, Group Project.

Year 3
Operating Systems and Concurrency, Software Development, Software Engineering, Software Development for Gaming, Game Hardware, VR Application Development, Placement.

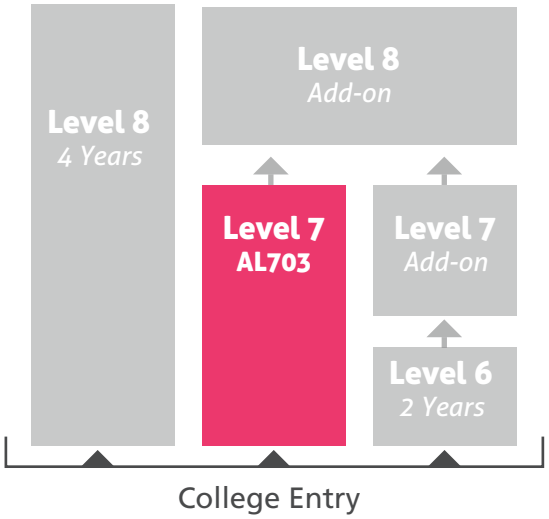
Work placement

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 is your oyster.

Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Virtual Reality and Gaming at AIT or related programmes at other third-level institutions.



Code - AL703
Level - 7
Duration - 3 years

Cut-off CAO points:
New

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

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.

Student testimonial
"The problem based learning used in the courses were good preparation for my research studies."
Joseph Mc Namara, PhD candidate.

Contact us
Dr Enda Fallon
Head of Department of Computer & Software Engineering
Tel: +353 (0)90 6471877
Email: efallon@ait.ie

Bachelor of Science in Software Design with Virtual Reality and Gaming

Dearadh Bogearraí

Software Design

What will I study?

Year 1
Digital Media, Mathematics for Software Design, Software Development, Web Development, Game and Virtual Reality, Agile Methodologies, Mobile Apps and Connected Devices, Communications, Computer Applications.

Year 2
Mathematics for Software Design, Software Development, Agile Methodologies, Software Development for Gaming, Databases, Game Development, Networks,
Game AI and Physics, Group Project.

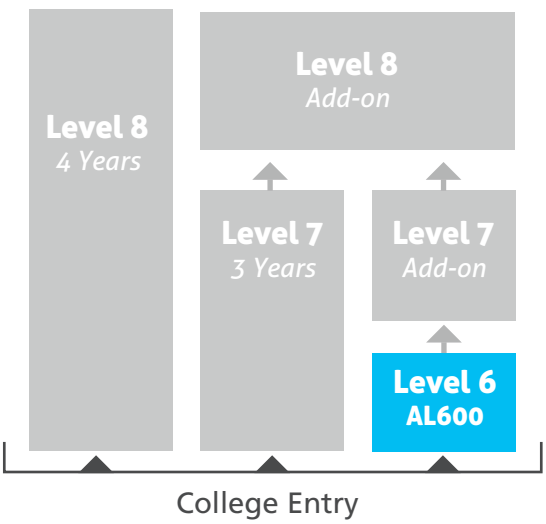
Further study

This Higher Certificate provides a common entry into the 3 software design streams. Students who successfully complete the programme are eligible to join the BSc in Software Design with Virtual Reality and Gaming (One Year Add On), BSc in Software Design with Mobile Apps and Connected Devices (One Year Add On) and the BSc in Software Design with Artificial Intelligence for Cloud Computing (One Year Add On).

Faculty Profile

Name: Dr Niall Murray
Course: Software Design

Dr. Niall Murray is founder (in 2014) and principal investigator (PI) in the truly Immersive and Interactive Multimedia Experiences (tIIMEx) research group in AIT. He is an associate PI on the Enterprise Ireland funded Technology Gateway COMAND in the Software Research Institute (SRI) in AIT. In advance of joining AIT as Lecturer in 2012, he spent almost a decade working in the software development in roles such as software testing, design, development, technical architect and consultant in industries such as Telecommunications Network Management (Ericsson), Billing (Martin Dawes Systems), Payment Processing (Sentenial) and E-learning (Houghton Harcourt Mifflin).



Code - AL600
Level - 6
Duration - 2 years

Cut-off CAO points:
205

Course award:
Higher Certificate

Department:
Computer and Software Engineering

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 AL600.

Contact us
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Dearadh Bogearraí le Réaltacht Fhíorúil agus Cluichíocht

Software Design with Virtual Reality and Gaming (Add-on)

What will I study?

Operating Systems and Concurrency, Software Development, Software Engineering, Software Development for Gaming, Game Hardware, VR Application Development, Placement.

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 is your oyster.

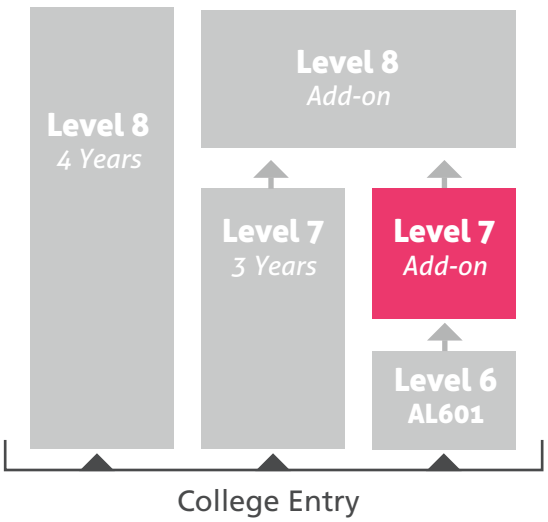
Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Virtual Reality and Gaming at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Mark Daly
Course: Software Design with Virtual Reality and Gaming

Dr Mark Daly has more than 30 years of Mathematical Physics and Computer Vision research experience. Following the award of a First Class Honours degree in Physics, Mark went on to complete his PhD in Theoretical Physics specialising in Quantum Physics and Non-Linear Dynamics. He held lecturing posts in MU and DCU (St. Pats) before joining the faculty at AIT in 1998. He has supervised MSc and PhD students in the area of AI/ML and Computer Vision and has published extensively in international peer reviewed journals. Mark is a co-founder of ViDS (Visual Data Solutions) through which he has worked with Irish and UK Government agencies and European based multi-national companies providing computer vision solutions.



Add-on
Level - 7
Duration - 1 year

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a Higher Certificate in Software Design or an equivalent Level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Faculty profile
Name: John Barrett
Course: Software Design with Virtual Reality and Gaming
John joined the AIT School of Engineering in September 2010 direct from industry. John began his working years as a founding engineer of Havok which is one of the greatest success stories of the Irish Software Industry. During his time with Havok John helped develop the Havok Physics engine and tools which are now used in many AAA game titles and in special effects generated for movies.

Contact us
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Dearadh Bogearraí le Réaltacht Fhíorúil agus Cluichíocht

Software Design with Virtual Reality and Gaming (Add-on)

What will I study?

Project, Computer Graphics, Networks, Management and Organisational Behaviour, VR and Gaming Technology, Real-time Rendering for VR, Databases, The Engineer in Society, Security, Distributed Systems.

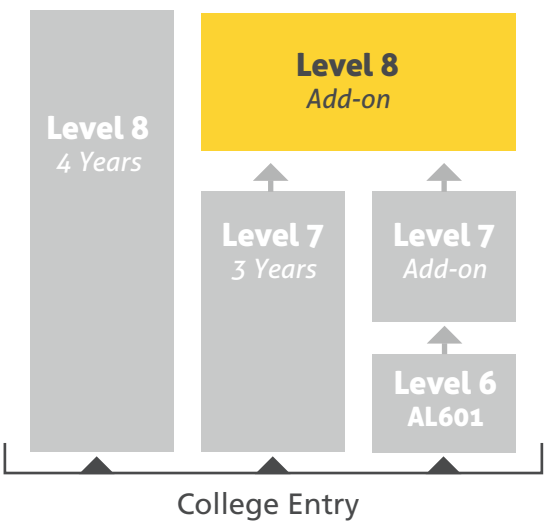
Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.

"Ireland is well placed to exploit the VR uplift in the gaming arena, with leading international game developer companies to take advantage of the opportunities" TechIreland

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday



Add-on
Level - 8
Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a BSc in Software Design with Virtual Reality and Gaming or an equivalent Level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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Dearadh Bogearraí le Aip Soghluaiste agus Gaireas Nasctha

Software Design with Mobile Apps and Connected Devices

Course Highlights


Work Placement


Further Study


Study Abroad

Why take this course?

In recent years the emergence of next generation Internet, mobile ICT, location based services and the exponential growth of social networking have driven innovation and new revenue streams for firms of all sizes. there are skills shortages for professionals and associate professionals across sectors in many areas of ICT. Ireland is likely to face an average increase in demand for high-level ICT skills of around 5% a year with the employment of ICT professionals anticipated to rise to just over 91,000. Globally, the sector is in the midst of a disruptive growth and innovation phase. This includes the use of mobile devices and technologies, the Internet of things and the emergence of Big Data analytics. The European Commission estimates that Europe could face an 800,000 person ICT skills shortage by 2022. The shortage of talent in ICT is a global problem. This is due to unprecedented growth and innovation in the sector.

Ireland's young, highly skilled, flexible workforce has fuelled the rapid growth of the country's software sector. This has been underwritten by the extensive investment by the State in education and research. Ireland now proudly boasts the third highest proportion of maths, science and computer graduates in the 20-29 age group in the EU. By 2022, the number of monthly active smartphone users is projected to grow steadily and reach 53.96 million individuals. This would be an increase of over 12 million new users from 41.09 million users in 2015. Ireland's National Skills Bulletin 2017 identified mobile app development as a key area in which there was a skills deficit. The programme provides students with general software development skills with specific expertise in mobile app development for the emerging area of the Internet of Things (IoT) and Connected Devices.

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 while allowing you to change your specialisation entering second year if you have the required CAO points. 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.

The 'App Gap'

According to Irelands Skills Strategy 2025 (Department of Education and Skills) there are skills shortages for professionals and associate professionals across sectors in many areas of ICT. The shortage of ICT talent is potentially significant for a number of sectors where ICT skills are needed, in particular software development. Ireland is likely to face an average increase in demand for high-level ICT skills of around 5% a year with the employment of ICT professionals anticipated to rise to just over 91,000. This skills shortage has become increasingly acute as more and more tech companies expand their operations in Ireland.

"Global mobile subscriptions continue to grow significantly and the "app gap," in which enterprises can't meet the internal demand for writing mobile apps is getting even worse, in large part because of the rapid rise of the Internet of Things (IoT)"

There are currently over 4,500 difficult to fill vacancies in the sector, with a particular demand for software developers and programmers, mobile technology application programmers, IT project managers with technical backgrounds. The mobile app development sector is booming due to increasing users, with affordable smartphones demand for mobile apps is greater than ever. Global mobile subscriptions continue to grow significantly and the "app gap," in which enterprises can't meet the internal demand for writing mobile apps is getting even worse, in large part because of the rapid rise of the Internet of Things (IoT).

Faculty Profile

Name: Tom Bennett
Course: Mobile Apps and Connected Devices

Tom completed a Degree in Electronic Engineering at National University of Ireland Galway. He worked as a researcher in NUIG in the area of Research in Biomedical Engineering, and the development of electronics expertise to help advance Biomedical technology. Tom is a Certified CISCO CCNA instructor in the areas of computer networking and network security.

Dearadh Bogearraí le Aip Soghluaiste agus Gaireas Nasctha

Software Design with Mobile Apps and Connected Devices

What will I study?

Year 1
Mathematics for Software Design , Communications, Web Development, Software Development, Computer Applications, Digital Media, Mobile Apps and Connected Devices, Agile Methodologies.

Year 2
Mathematics for Software Design, Connected Devices, Software Development for Connected Devices, Agile Methodologies, Databases, Software Development, Networks, Mobile Application Development.

Year 3
Software Development, Software Development for Connected Devices, Web Development, Operating Systems and Concurrency, Mobile App Development, Software engineering, Placement.

Year 4
Database Architecture and Design, Networks, Management and Organisation Behaviour, Mobile Apps and Connected Devices, Data Mining and Machine Learning, Mobile Apps and Connected Devices Project, The Engineer in Society, Security.

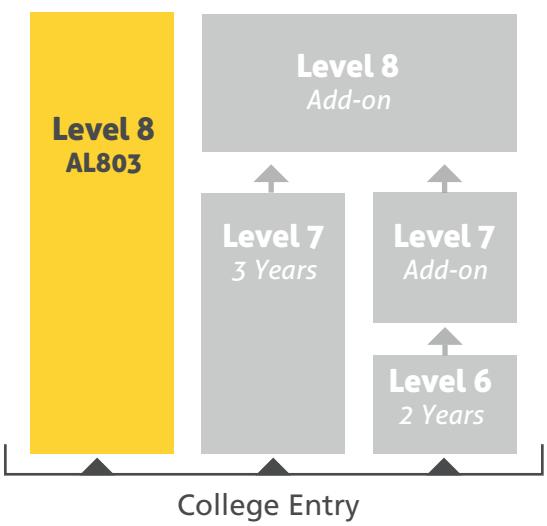
Work placement

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 is your oyster.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.



Code - AL803
Level - 8
Duration - 4 years

Cut-off CAO points:
309

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Grade H5 at higher level in two subjects, plus Grade 06 at ordinary level 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) or software development (5M0529). They are also required to have and the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in

Graduate testimonial
"AIT offered an industry-relevant degree which combined both elements and was focussed on practical, applied learning. The college works closely with a number of industry partners, including Ericsson, to create industry-focussed courses that fill skill gaps." ***Hareem Tahir, Software Development (Mobile Apps and Connected Devices)***

Contact us
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Email: efallon@ait.ie

Dearadh Bogearraí le Aip Soghluaiste agus Gaireas Nasctha

Software Design with Mobile Apps and Connected Devices

What will I study?

Year 1
Mathematics for Software Design , Communications, Web Development, Software Development, Computer Applications, Digital Media, Mobile Apps and Connected Devices, Agile Methodologies.

Year 2
Mathematics for Software Design, Connected Devices, Software Development for Connected Devices, Agile Methodologies, Databases, Software Development, Networks, Mobile Application Development.

Year 3
Software Development, Software Development for Connected Devices, Web Development, Operating Systems and Concurrency, Mobile App Development, Software engineering, Placement.

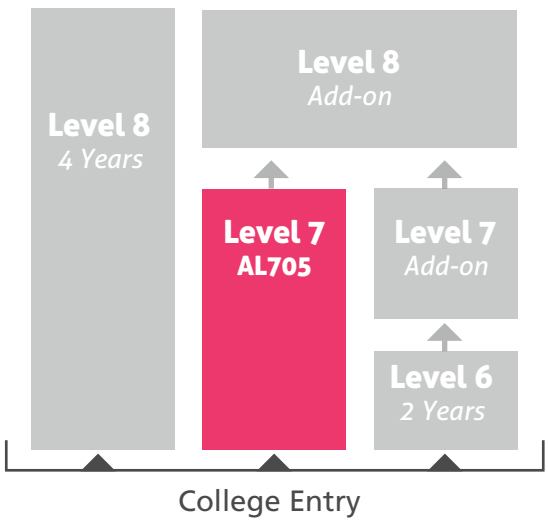
Work placement

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 is your oyster.

Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Mobile Apps and Connected Devices at AIT or related programmes at other third-level institutions.



Code - AL705
Level - 7
Duration - 3 years

Cut-off CAO points:
206

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

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.

Student testimonial
"On our first day on the course we created a Mobile App."
Elkie Smullen, Graduate.

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Bachelor of Science in Software Design with Mobile Apps and Connected Devices

Dearadh Bogearraí le Aip Soghluaiste agus Gaireas Nasctha

Software Design with Mobile Apps and Connected Devices (Add-on)

What will I study?

Software Development, Software Development for Connected Devices, Web Development, Operating Systems and Concurrency, Mobile App Development, Software engineering, Placement.

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 is your oyster.

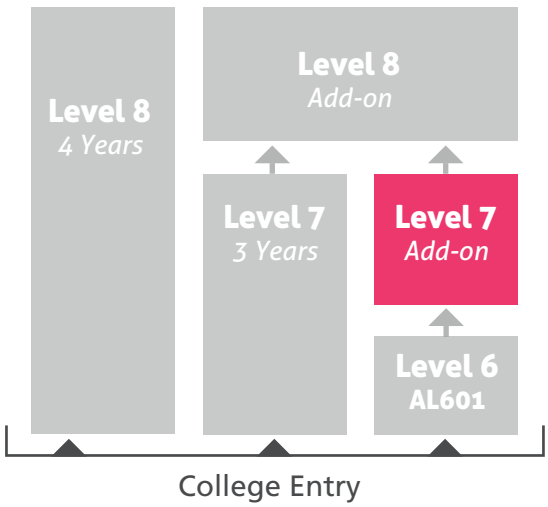
Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Mobile Apps and Connected Devices at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Sheila Fallon
Course: Software Design

Dr Sheila Fallon worked with Ericsson as a senior software engineer from 1997-2012 where she was involved in a wide variety projects in in the fixed and mobile telecommunications domains. She had overall technical responsibly for the development of the Ericsson operation and maintenance solution for heterogeneous networking. Since joining AIT in 2012, she has delivered modules in Data Architecture & Databases on a number of programmes at undergraduate and postgraduate level. Her research focuses on distributed processing architectures for large data sets. Her work has been published extensively in major international conferences including IEEE Consumer Communications and Networking Conference (CCNC), IFIP Wired and Wireless Internet Communications (WWIC) and IEEE Globecomm.



Add-on
Level - 7
Duration - 1 year

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a Higher Certificate in Software Design or an equivalent Level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

"The 'app gap' in which enterprises can't meet the demand for apps is getting even worse, due the rapid rise of the Internet of Things (IoT)."
Technology Watch

Student testimonial
The lecturers are really supportive and I am gaining the skills that will help me progress my career."
Dan Smith, Software Design student

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Dearadh Bogearraí le Aip Soghluaiste agus Gaireas Nasctha

Software Design with Mobile Apps and Connected Devices (Add-on)

What will I study?

Database Architecture and Design, Networks, Management and Organisation Behaviour, Mobile Apps and Connected Devices, Data Mining and Machine Learning, Mobile Apps and Connected Devices Project, The Engineer in Society, Security.

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.

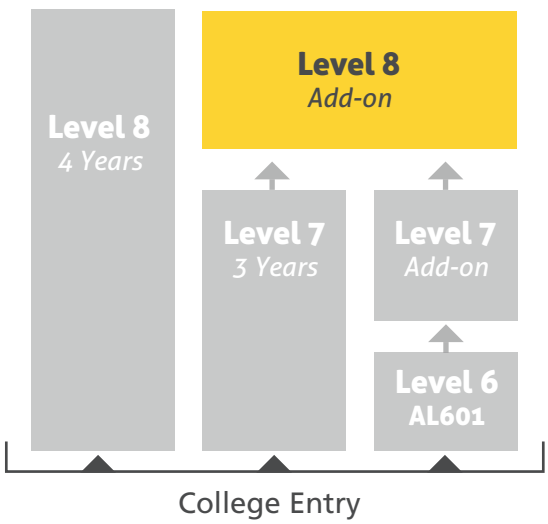
If you decide to travel abroad on your placement our excellent International Office will set you up with one of our partner institutes across Europe and Asia. The world really is your oyster.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday



Add-on
Level - 8
Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a BSc in Software Design with Mobile Apps and Connected Devices or an equivalent Level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

"In 2003, there were approximately 6.3 billion people living on the planet and 500 million devices connected to the Internet. By 2023 it is anticipated there will be 28 billion connected devices in use worldwide." Ericsson

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Bachelor of Science (Hons) in Software Design with Mobile Apps and Connected Devices

Mark the Date

Guidance Counsellor Briefing
Tuesday 1 October 2019

Open Day
Friday 18 & Saturday 19 October 2019

Ask AIT: CAO Information Evening for Parents & Students
Wednesday 15 January 2020

Course Interactive Open Day
Saturday 25 April 2020

Summer School
8 June to 12 June 2020

Visit us at www.AIT.ie

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

Dearadh Bogearraí le Intleacht Shaorga le haghaidh Néalríomhaireacht

Software Design with Artificial Intelligence for Cloud Computing

Course Highlights

Work Placement *Further Study* *Study Abroad*

Why take this course?

Ireland's reputation as a centre of software excellence is unrivaled in Europe. It is home to multinational and indigenous firms generating €16 billion of exports annually. The sectors wide-ranging activities include software development, R&D, business services and EMEA/International headquarters.

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 second year and the first semester in third year 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.

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 while allowing you to change your specialisation entering second year if you have the required CAO points. 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.

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.

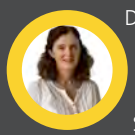
If you decide to travel abroad on your placement our excellent International Office will set you up with one of our partner institutes across Europe and Asia. The world really is your oyster.

ICT skills graduates badly needed

According to the Forfás Vacancy Overview Report, the most difficult to fill vacancies were for the ICT sector, primarily for professional roles in software development including software developers: cloud computing, Web development database (with Oracle/SQL), Java, JavaScript, C#, and .Net the most frequently mentioned. Based on significant industrial collaboration of the Department of Computer and Software Engineering graduate of the Artificial Intelligence for Cloud Computing stream are well placed to work in these roles. According to Irelands Skills Strategy 2025 (Department of Education and Skills) there are skills shortages for professionals and associate professionals across sectors in many areas of ICT. The shortage of ICT talent is potentially significant for a number of sectors where ICT skills are needed, in particular software development. Ireland is likely to face an average increase in demand for high-level ICT skills of around 5% a year with the employment of ICT professionals anticipated to rise to just over 91,000. This skills shortage has become increasingly acute as more and more tech companies expand their operations in Ireland."

Faculty Profile

Name: Dr Mary Giblin
Course: Artificial Intelligence for Cloud computing



Dr Mary Giblin is a lecturer in software engineering within the Faculty of Engineering & Informatics at AIT. She previously worked as a Software Engineer and Project Manager at Ericsson Software Campus, Athlone. As part of her current role in AIT, Mary coordinates the Master's degree programme in Software Engineering which is delivered by AIT and is part of an Ericsson graduate recruitment. Approximately 25 students progress to full-time employment as software engineers at Ericsson annually from this programme. Mary studied Electronic Engineering in NUIG, completed a Masters in Software Engineering in AIT and a PhD in Software in UL.

Dearadh Bogearraí le Intleacht Shaorga le haghaidh Néalríomhaireacht

Software Design with Artificial Intelligence for Cloud Computing

What will I study?

Year 1
Mathematics for Software Design , Communications, Web Development, Software Development, Computer Applications, Digital Media, Agile Methodologies, Mobile Apps and Connected Devices (Elective), Game and Virtual Reality (Elective).

Year 2
Mathematics for Software Design, Web Development, Software Development for Cloud, Agile Methodologies, Databases, Software Development, Networks, Mobile Application Development, Group Project.

Year 3
oftware Development, Software Development for Cloud, Web Development, Operating Systems and Concurrency, Software Engineering, Placement.

Year 4
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.

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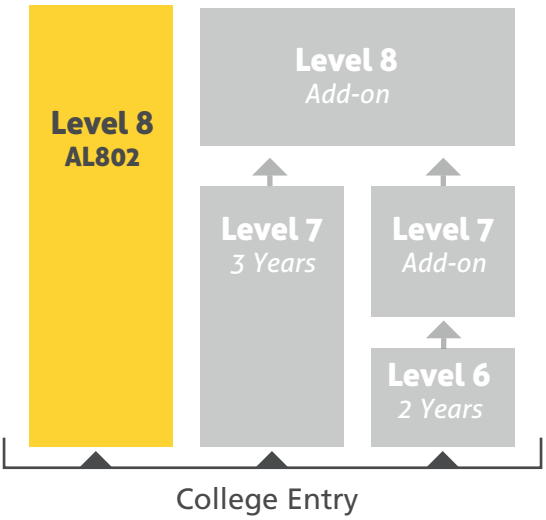
Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.



Code - AL802
Level - 8
Duration - 4 years

Cut-off CAO points:
309

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Grade H5 at higher level in two subjects, plus Grade 06 at ordinary level 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) or software development (5M0529). They are also required to have the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

Student testimonial
"The skills and technologies I learned on my course at AIT created huge opportunities for a career in software design." ***Peter Vargovcik (Software Research Institute)***

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Dearadh Bogearraí le Intleacht Shaorga le haghaidh Néalríomhaireacht

Software Design with Artificial Intelligence for Cloud Computing

New Course

What will I study?

Year 1
Mathematics for Software Design , Communications, Web Development, Software Development, Computer Applications, Digital Media, Agile Methodologies, Mobile Apps and Connected Devices (Elective), Game and Virtual Reality (Elective).

Year 2
Mathematics for Software Design, Web Development, Software Development for Cloud, Agile Methodologies, Databases, Software Development, Networks, Mobile Application Development, Group Project.

Year 3
Software Development, Software Development for Cloud, Web Development, Operating Systems and Concurrency, Software Engineering, Placement.

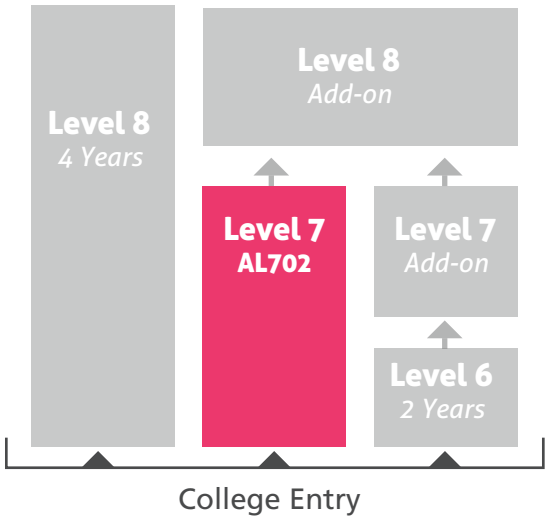
Work placement

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 is your oyster.

Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Artificial Intelligence for Cloud Computing at AIT or related programmes at other third-level institutions.



Code - AL702
Level - 7
Duration - 3 years

Cut-off CAO points:
New

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

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.

Student testimonial
"My final year project was presented at the Network Operations and Management international research conference in Taiwan."
Declan O Hanlon (Ericsson)

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Bachelor of Science in Software Design with Artificial Intelligence for Cloud Computing

Dearadh Bogearraí le Intleacht Shaorga le haghaidh Néalríomhaireacht

Software Design with Artificial Intelligence for Cloud Computing (Add-on)

What will I study?

Software Development, Software Development for Cloud, Web Development, Operating Systems and Concurrency, Software Engineering, Placement.

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 is your oyster.

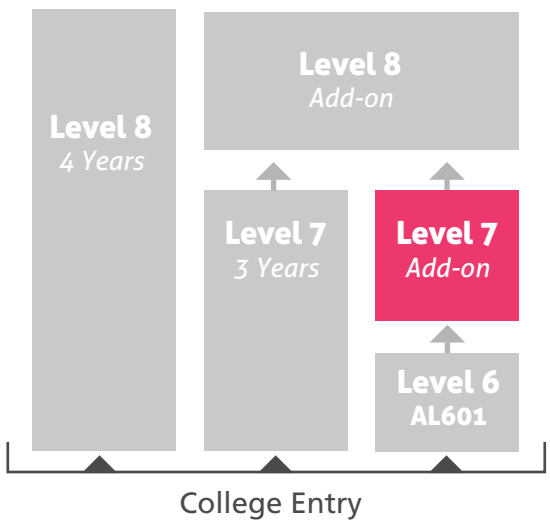
Further study

As a graduate you are eligible to apply to join the BSc (Hons) in Software Design with Artificial Intelligence for Cloud Computing at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Sean Kennedy
Course: Artificial Intelligence for Cloud Computing

Dr. Sean Kennedy is both an Oracle Certified Associate and Oracle Certified Professional. Prior to joining AIT, Sean was involved in the first rollout of PC's to the AIB network in both Ireland and the UK. Sean also worked as a Senior Software Engineer in Nortel Networks where he was responsible for software manufacturing processes. Having gained an honours degree in Computer Systems from the University of Limerick, he graduated with a PhD from NUI Galway.



Add-on
Level - 7
Duration - 1 year

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a Higher Certificate in Software Design or an equivalent Level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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Dearadh Bogearraí le Intleacht Shaorga le haghaidh Néalríomhaireacht

Software Design with Artificial Intelligence for Cloud Computing (Add-on)

What will I study?

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

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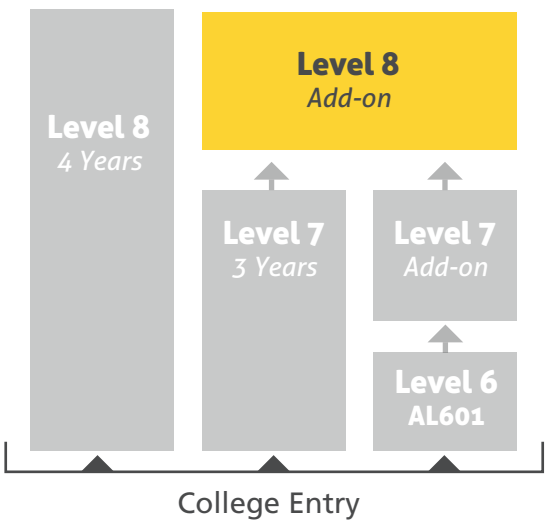
Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.

Course Interactive Open Day

Saturday 25 April 2020



Add-on
Level - 8
Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a BSc in Software Design with Artificial Intelligence for Cloud Computing or an equivalent Level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

"The year 2020 will be a keystone in the evolution toward the networks of the future, with the first commercial deployments of large-scale 5G infrastructures, the increasing interest in network intelligence and machine learning techniques applied to network management"
IEEE Computer Science Society

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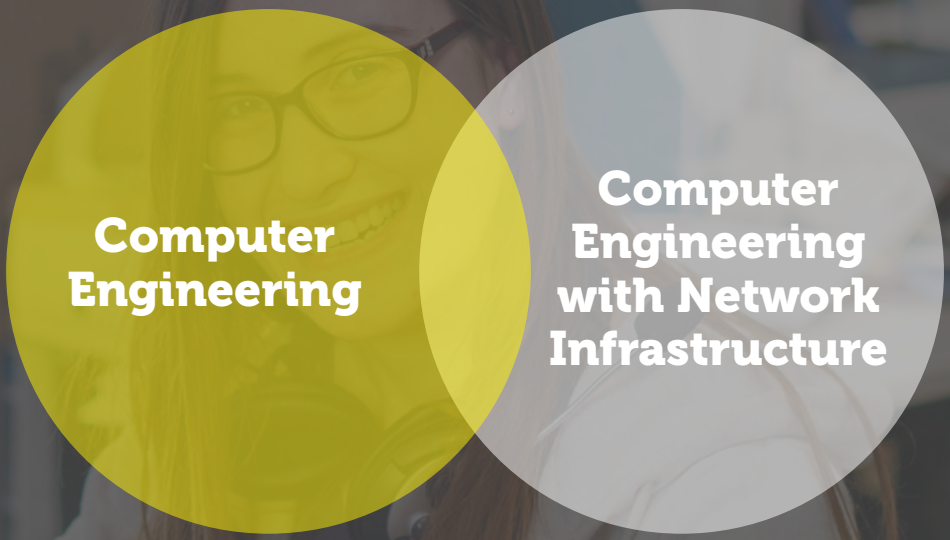
Bachelor of Science (Hons) in Software Design with Artificial Intelligence for Cloud

Computer Engineering



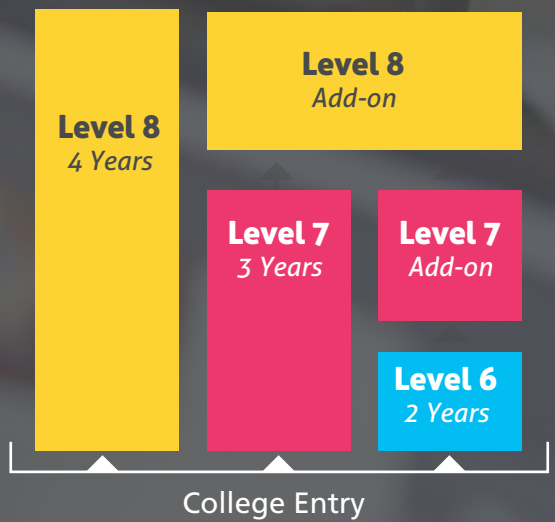
The emergence of next generation Internet, 5G, self-driving vehicles, robotics, smart manufacturing and Internet of Things are all driving demand for increased computing power and the associated network infrastructure needed to securely transfer, process, analyse and store vast amounts of data.

According to Ireland's Skills Strategy 2025, there are skill shortages in many areas of ICT (Information Communication Technology).

The level of change and development presents huge opportunities to graduates in the area of Computer and Network Engineering.

Based on significant industrial interaction by the Department of Computer and Software Engineering we are focussing on the following areas;

- **Computer Engineering**
- **Computer Engineering with Network Infrastructure**



Innealtóireacht Ríomhaireachta

Computer Engineering

Course Highlights

Further Study

Professional Accreditation

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 voice and data transmission, gaming, medical devices, cloud technology, smart transport general technology support services, and energy management.

Courses in the Computer Engineering Stream will provide you with the skills 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.

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. rn a

What will I experience?

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 computer 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, software or the wider electronics and communications area.

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 recognised under the Sydney Accord, by more than 40 countries worldwide, including: the EU, the US, Australia and Canada.

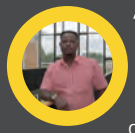
Career Prospects

Computer Engineering students graduating from this stream 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, McAfee."

"Sixteen out of the top 20 global technology firms have strategic operations in Ireland, including Microsoft, Google, Apple and Facebook." IDA Ireland

Graduate Profile

Name: Robert Quaye
Course: Bachelor of Engineering in Computer Engineering



"Ireland is the locus of IT development globally in large part because of top class colleges like Athlone Institute of Technology who are supplying the sector with a steady stream of industry-ready qualified graduates. Studying this programme has helped future-proof my career, preparing me for life after college. Smaller class sizes mean that my lecturers feel more like friends than staff and my classes are taught in a brand-new purpose-built Engineering and Informatics building. The institute has strong links to industry and works in partnership with employers to create work-ready graduates who can fill skills gaps in the market. This symbiotic relationship makes it easier for students to secure worthwhile placements. All great reasons to choose Ireland's leading third level institute."

Innealtóireacht Ríomhaireachta

Computer Engineering

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, Communications 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 Computer Engineering with Network Infrastructure at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Declan Byrne
Course: Computer Engineering

Dr Declan Byrne is a lecturer in Software Engineering at AIT. Prior to joining AIT, Declan worked as a Software Engineer and Project Manager at the Ericsson Software Campus in Athlone and at a varity of other Ericsson sites wordwide. Having graduated from Trinity College Dublin with a degree in Mathematical Sciences, Declan completed an MSc in Computer Applications at Dublin City University and a PhD in Computer Science at the University of Hull.

Code - AL704
Level - 7
Duration - 3 years

Cut-off CAO points:
205

Course award:
Bachelor of Engineering

Department:
Computer and Software Engineering

Minimum entry requirement
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
QQI applicants to this programme must hold the following award: Information Technology (CITXX) or software development (5M0529) They are also required to have the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

Industrial partner
"AIT has significant links with local industry. As a past student of AIT, you can see how the lecturers use those links to create opportunities for their students"
Earl Gaylard (Neueda)

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Innealtóireacht Ríomhaireachta

Computer Engineering

What will I study?

Year 1
Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop Communications, Computer Applications .

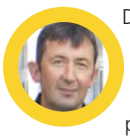
Year 2
Electronics, Wireless LAN's, Mathematics, Software Development, Engineering Economics, Communications Systems, Digital Electronics, Business Environment and Systems, Project.

Further study

As a graduate you are eligible to apply to join the BEng in Computer Engineering (Add on) or BSc in Computer Engineering with Network Infrastructure (Add on) at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Ronan Flynn
Course: Computer Engineering



Dr Ronan Flynn is a lecturer in the Department of Computer & Software Engineering. He has industrial experience in telecommunication product design and development for international markets, having previously worked with a number of multinational companies. Dr Flynn is actively engaged in research, supervising both MSc and PhD students. His research interests include speech recognition, speech enhancement, emotion recognition in speech and multi-modal affective computing

Code - AL601
Level - 6
Duration - 2 years

Cut-off CAO points:
196

Course award:
Higher Certificate in Engineering

Department:
Computer and Software Engineering

Minimum entry requirement
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. Applicants to this programme are required, however, to have one specified mathematics module included in their award either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively have Leaving Certificate mathematics.

Student testimonial
"The course material is relatable to real life situations which makes it easier to understand." ***ISSE Survey, Computer and Software Engineering student***

Contact us
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Tel: +353 (0)90 6471877
Email: efallon@ait.ie

Innealtóireacht Ríomhaireachta

Computer Engineering (Add-on)

What will I study?

Year 1

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 Computer Engineering with Network Infrastructure at AIT or related programmes at other third-level institutions.

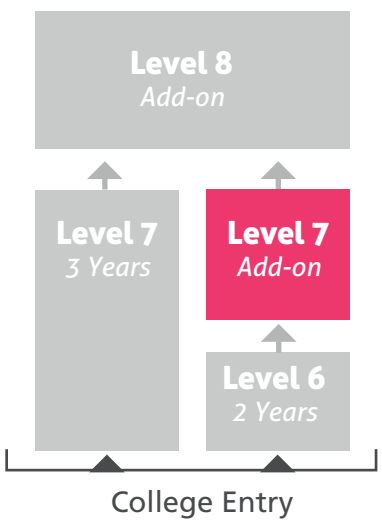
"Ireland has an international reputation as a centre of excellence in IT. High quality talent contribute to making technology one of the fastest growing industries in the country.

Irish Computer Society

Faculty Profile

Name: Dr Jackie Stewart
Course: Computer Engineering

Dr Jackie Stewart is a lecturer in the Department of Computer & Software Engineering. She graduated from Athlone Institute of Technology with a PhD (Software Engineering) having completed a BEng in Mobile Communications and Electronics and a BEng (Hons) in Software Engineering. Her research interests focus on the real world impact of environmental conditions on wireless signal propagation.



Add-on
Level - 7
Duration - 1 year

Course award:
Bachelor of Engineering

Department:
Computer and Software Engineering

Minimum entry requirement
Applicants should hold a Higher Certificate in Computer Engineering or an equivalent Level 6 qualification.

QQI
QQI applicants to this programme must hold the following award: Information Technology (CITXX). They are also required to have Software Development (5M0529) and the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Contact us
Dr Enda Fallon
Head of Department of Computer & Software Engineering
Tel: +353 (0)90 6471877
Email: efallon@ait.ie

Software Engineering (Add-on)

What will I study?

Year 1

Software Project, Databases, Software Design, Networks, Agile Methodologies, Client Side Technology, The Engineer in Society, Software Design, Distributed Systems, Agile Methodologies, Security

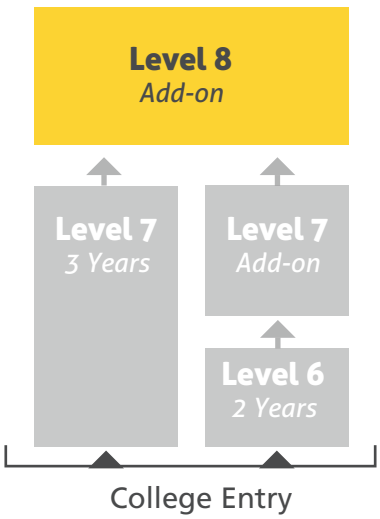
Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.

Faculty Profile

Name: Dr Brian Lee
Course: Software Engineering

Dr Brian Lee is Research Manager of the SRI and joined the Institute in August 2009. Previously he had been Research Manager in LM Ericsson in Ireland where he supervised a team of 20 researchers investigating solutions in network management for Ericsson's Operations Support System (OSS) for mobile and fixed networks. He has over twenty years' experience in research and system design of network management solutions for large scale telecommunication networks. He has participated in many national and international research projects. He holds a PhD from Trinity College Dublin in the area of policy management applied to charging. His research interest focuses self-adaptive software systems for network management.



Add-on
Level - 8
Duration - 1 year

Course award:
Bachelor of Engineering (Hons)

Department:
Bachelor of Engineering

Minimum entry requirements
Applicants should hold a BEng in Computer Engineering, BSc in Computer Engineering with Network Infrastructure or an equivalent Level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"The course material is relatable to real life situations which makes it easier to understand." ***ISSE Survey, Computer and Software Engineering student***

Contact us
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Email: efallon@ait.ie

Mark the Date

Guidance Counsellor Briefing
Tuesday 1 October 2019

Open Day
Friday 18 & Saturday 19 October 2019

Ask AIT: CAO Information Evening for Parents & Students
Tuesday 15 January 2020

Course Interactive Open Day
Saturday 25 April 2020

Summer School
8 June to 12 June 2020

Visit us at www.AIT.ie

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

Innealtóireacht Ríomhaireachta le Bonneagar Líonra

Computer Engineering with Network Infrastructure

Course Highlights

Further Study

Professional Accreditation

Why take this course?

Networks are all around us, from the traditional concept of PCs wired to a LAN, to wireless devices, to Cloud computing and Internet of Things. The one common thing is all these devices require secure and reliable networks in order to function.

The management of networks is a core function for many organisations. The Computer Engineering with Network Infrastructure stream incorporates a number of modules which will prepare you to obtain industry accredited certification in addition to the institute award. These include the Cisco CCNA Routing and Switching, Wireless, Security and the CCNP Switch certifications.

You will acquire skills in the configuration and fault finding of network devices including PCs, servers, switches, routers and access points. You will understand the nature of network 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 group projects undertaken.

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

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 recognised under the Sydney Accord, by more than 40 countries worldwide, including: the EU, the US, Australia and Canada.

Career Prospects

As a Computer Engineering with Network Infrastructure graduate, you can expect to find employment as a network designer, network system administrator, software roles, technical sales in a range of industries. Potential employers include: Ericsson, Valeo, Cisco, Avaya, SAP, Google, Facebook, Amazon, Microsoft, IBM, Intel, VMWare and a range of enterprises from small start-ups to areas such smart manufacturing, transport, healthcare and finance where networks have become key to their operation.

"The year 2020 will be a keystone in the evolution toward the networks of the future, with the first commercial deployments of large-scale 5G infrastructures, the increasing interest in network intelligence and machine learning techniques applied to network management and orchestration"

Faculty Profile

Name: Tony Commins
Course: Computer Engineering

Tony Commins completed a BEng (Hons) in Electronic Engineering specialising in Computer Hardware and Control before commencing employment with Aughinish Alumina as Instrumentation and Control Engineer. He then commenced an MSc in Electronic System Design in Cranfield University in the UK, where his thesis looked at a design for GPS systems. Tony gained further industrial experience with Hickson Pharmaceutical in Ringaskiddy, Cork and Warner Lambert before joining the AIT Engineering team where he was involved with the development and delivery of programmes in network management and cloud space.

Innealtóireacht Ríomhaireachta le Bonneagar Líonra

Computer Engineering with Network Infrastructure

What will I study?

Year 1
Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop Communications, Computer Applications.

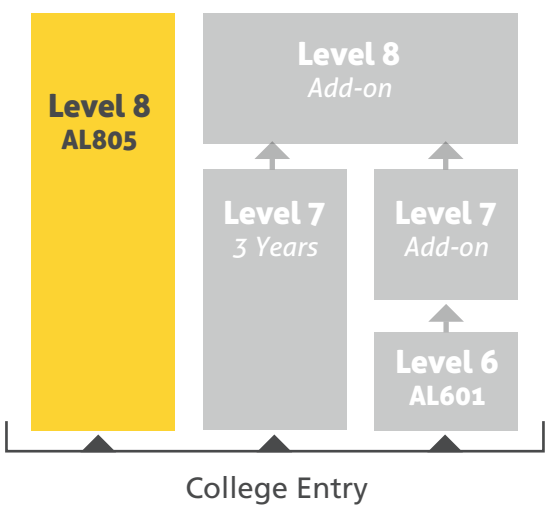
Year 2
Computer Systems Administration, Mathematics, Wireless LAN's, Engineering Economics, Networks and IT Infrastructure, Computer Systems Administration, Enterprise WLAN's, Network Operating Systems, Connected Devices, Project.

Year 3
Mobile Networks, Quality and Project Management, Network Management, Scripting, Mathematics, Switched Networks, Project, Network Security.

Year 4
Network Management, Enhanced Networks, Cloud Infrastructure, Project, Database Design and Administration, Scripting, Augmented User Interaction, The Engineer in Society.

Further study

Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.



Code - AL805
Level - 8
Duration - 4 years

Cut-off CAO points:
329

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software 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: IInformation Technology (CITXX) or software development (5M0529) They are also required to have the module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions in three modules.

Contact us
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Innealtóireacht Ríomhaireachta le Bonneagar Líonra

Computer Engineering with Network Infrastructure

What will I study?

Year 1
Computer Systems, Interface Electronics, Networks, Software Development, Mathematics, Electronics Workshop Communications, Computer Applications

Year 2
Computer Systems Administration, Mathematics, Wireless LAN's, Engineering Economics, Networks and IT Infrastructure, Computer Systems Administration, Mathematics, Enterprise WLAN's, Network Operating Systems, Connected Devices, Project.

Year 3
Mobile Networks, Scripting, Quality and Project Management, Network Management, Scripting, Mathematics, Switched Networks, Project, Network Security.

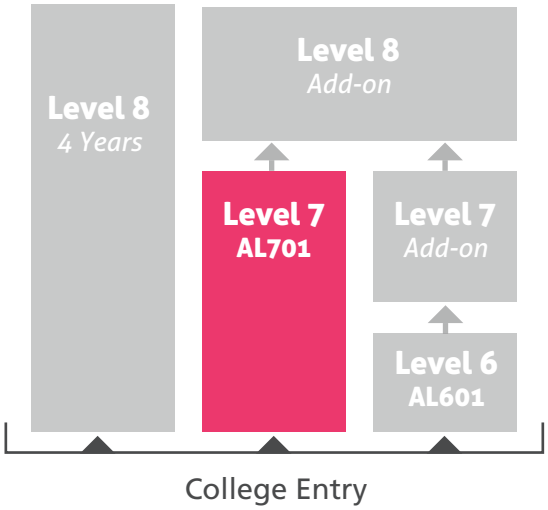
Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Computer Engineering with Network Infrastructure at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Conor Keighrey
Course: Computer Engineering

Conor Keighrey is a graduate of the BSc. in Computer Network Management and Cloud Infrastructure and is currently in pursuit of his PhD. His research has been funded by the Irish Research Council and focuses on understanding the key influencing factors that affect quality of experience of emerging immersive multimedia experiences (Augmented Reality and Virtual Reality). He is highly active within the multimedia research community working closely as part of the technical programme committee for several international conferences. More recently he has been asked to serve as web chair for the International Conference on Quality of Multimedia Experience.



Code - AL701
Level - 7
Duration - 3 years

Cut-off CAO points:
235

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

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. Applicants to this programme are required, however, to have one specified Mathematics module included in their award or alternatively have Leaving Certificate Mathematics.

Contact us
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Bachelor of Science in Computer Engineering & Network Infrastructure

Innealtóireacht Ríomhaireachta le Bonneagar Líonra

Computer Engineering with Network Infrastructure (Add-on)

What will I study?

Mobile Networks, Quality and Project Management, Network Management, Scripting, Mathematics, Switched Networks, Project, Network Security.

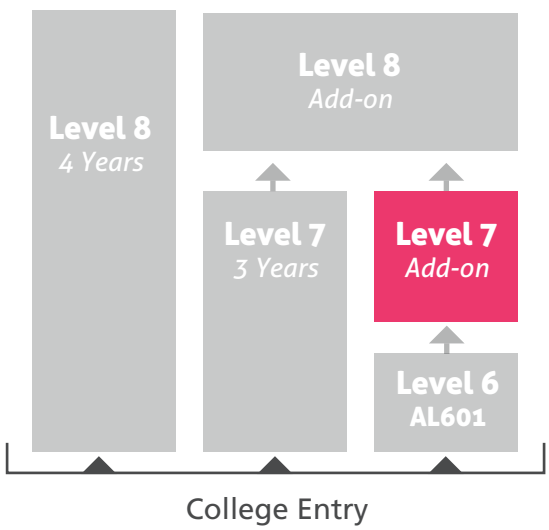
Further study

As a graduate you are eligible to apply to join the BEng (Hons) in Software Engineering (Level 8) or BSc (Hons) in Computer Engineering with Network Infrastructure at AIT or related programmes at other third-level institutions.

Faculty Profile

Name: Dr Yuansong Qiao
Course: Computer Engineering

Dr Yuansong Qiao is the Principal Investigator of the Software Research Institute (SRI) at Athlone Institute of Technology (AIT), Ireland. He received his Ph.D. in Computer Applied Technology from the Institute of Software, Chinese Academy of Sciences (ISCAS), Beijing, China, in 2007. As part of his Ph.D. research programme he joined the SRI at AIT in 2005. He continued his research in the SRI as a postdoctoral researcher in 2007. He completed a B.Sc. and an M.Sc. in Solid Mechanics from Beihang University, Beijing, China in 1996 and 1999 respectively. After graduation Yuansong Qiao joined the ISCAS immediately where he held roles as a network administrator and as a research engineer & team leader in research & development, working on protocols and products in the areas of computer networking, multimedia communication and network security. His current research interests include Future Internet architecture, immersive media system and multimedia distribution.



Add-on
Level - 7
Duration - 1 year

Course award:
Bachelor of Science

Department:
Computer and Software Engineering

Minimum entry requirements:
Applicants should hold a Higher Certificate in Computer Engineering or an equivalent Level 6 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"The course material is relatable to real life situations which makes it easier to understand." ***ISSE Survey, Computer and Software Engineering student***

Contact us
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Email: efallon@ait.ie

Innealtóireacht Ríomhaireachta le Bonneagar Líonra

Computer Engineering with Network Infrastructure (Add-on)

What will I study?

Network Management, Enhanced Networks, Cloud Infrastructure, Project, Database Design and Administration, Scripting, Augmented User Interaction, The Engineer in Society.

Further study

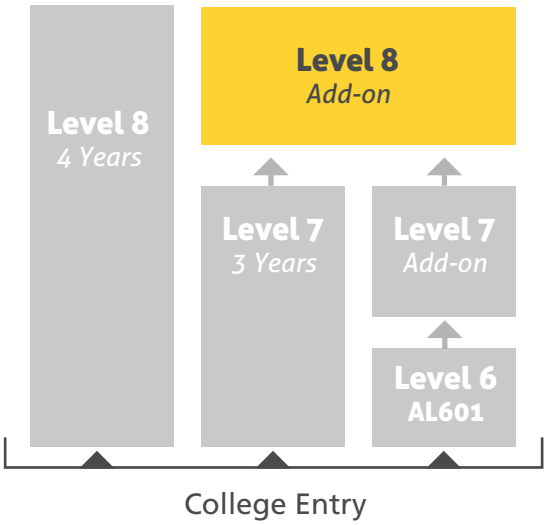
Graduates with honours are eligible to apply to join the Master of Science in Software Engineering (Level 9), Master of Science in Applied Software Engineering (Level 9), Research Masters in Software Engineering and PhD (Research) at AIT or appropriate postgraduate programmes at other third-level institutions.

"Data and its storage and management present a significant opportunity for Ireland"

Grant Thornton Ireland

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday



Add-on
Level - 8
Duration - 1 year

Course award:
Bachelor of Science (Hons)

Department:
Computer and Software Engineering

Minimum entry requirements
Applicants should hold a BEng in Computer Engineering, BSc in Computer Engineering with Network Infrastructure or an equivalent Level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Contact us
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Email: efallon@ait.ie

Bachelor of Science (Hons) in Computer Engineering & Network Infrastructure

Innealtóireacht Mheicniúil agus Polaiméirí

Mechanical & Polymer Engineering

Course Highlights

Work Placement

Study Abroad

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 recognised 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 a six-month placement, commencing in third year. 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. 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
Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications, Mathematics.

Year 2
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, Mathematics.

Year 3
Statistical Process Evaluation and Control, Control and Automation, Mechanical Systems Design, Quality and Project Management, Polymer Properties and Applications, Design of Experiments, Industrial Experience (Mechanical /Polymer Engineering), Mathematics.

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 six-month work placement from January to June in 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: 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 R&D Engineers, Manufacturing/ Process Engineers, Project Development Engineers, Quality Assurance Managers.

JL Goor Scholarship

The JL Goor Scholarship Fund supports polymer engineering students throughout the second, third and fourth year of their degree with a €1000 bursary, access to equipment and mentorship. Awards are based on academic merit and personal achievement.

Industry Partners

Harmac Medical Products

PEM automation

ALEXION

Code - AL820
Level - 8
Duration - 4 years

Graduate Profile

Name: Dwain Tarmey
Course: Polymer Engineering
Company: Merit Medical Systems Inc
Role: Business unit manager

Dwain completed both his bachelor's degree and MSc in Polymer Engineering in Athlone IT and graduated in 2008. Dwain held posts in Creagh Medical, Medtronic and Vistamed before moving to Merit Medical Systems where he is currently Business Unit Manager having previously held the posts of NPI Project Manager and Project Lead Engineer. During his time at VistaMed Dwain won GradIreland's Graduate employee of the year for 2011.

100%

of polymer graduates can expect to be employed within 6 months

For more information on our courses visit www.ait.ie/al820

Cut-off CAO points:
300

Course award:
Bachelor of Engineering

Department:
Polymer, Mechanical & 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 to this programme must hold the following award: engineering technology (5M2061). They are also required to have the module mathematics (5N1833) or Maths for STEM (5N0556) included in their award or alternatively have Leaving Certificate mathematics. They must also possess distinctions

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
Breda Lynch
Head of Department of Polymer, Mechanical & Design
Tel: +353 (0)90 6483041
Email: blynch@ait.ie

Bachelor of Engineering (Hons) in Mechanical and Polymer Engineering

Innealtóireacht Mheicniúil

Mechanical Engineering

Course Highlights

Professional Accreditation *Further Study*

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,
- 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

Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications, Mathematics.

Year 2

Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design, Mathematics.

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 Technicians, Manufacturing/ Process Technicians, Project Development Technicians or Quality Assurance Technicians.

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.

Faculty Profile

Name: Dr Niall Burke
Course: Mechanical Engineering

Dr Niall Burke has been lecturing in the Mechanical Engineering Department of AIT since 2008. His specialisms include: 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 focus on 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 organisations.

Industry Partners

Code - AL602
Level - 6
Duration - 2 years

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

For more information on our courses visit www.ait.ie/al602

Cut-off CAO points:
258

Course award:
Higher Certificate in Engineering

Department:
Polymer, Mechanical & Design

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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
Breda Lynch
Head of Department of Polymer, Mechanical & Design
Tel: +353 (0)90 6483041
Email: blynch@ait.ie

Higher Certificate in Engineering in Mechanical Engineering

Innealtóireacht Mheicniúil

Mechanical Engineering

Course Highlights

Further Study

Study Abroad

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 students 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

Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications, Mathematics.

Year 2

Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design, Mathematics.

Year 3

Project, 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, Mathematics.

Industry Partners

Harmac Medical Products

rem automation

Glennon Brothers

Code - **AL710**
Level - **7**
Duration - **3 years**

Cut-off CAO points:
242

Course award:
Bachelor of Engineering

Department:
Polymer, Mechanical & Design

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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

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For more information on our courses visit www.ait.ie/al710

Bachelor of Engineering in Mechanical Engineering

Mechanical Engineering and Renewable Energy

Course Highlights

Further Study

Study Abroad

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 are most relevant to today's industries. AIT's state-of-the-art Engineering and Informatics Building is recognised 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

Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications, Mathematics.

Year 2

Instrumentation, Mechanics, Energy Systems and Thermofluids, Engineering Practice and CAD, Materials, Control and Power Technology, Processes and Operations Management, Process Technology and Design, Mathematics.

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 underpinnings to enable progression to the BEng (Hons) in Mechanical Engineering (level 8) or the BEng (Hons) in Manufacturing Technology (level 8) 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.

Industry Partners

GLENNON BROTHERS ALEXION

Code - **AL711**
Level - **7**
Duration - **3 years**

Cut-off CAO points:
231

Course award:
Bachelor of Engineering

Department:
Polymer, Mechanical & Design

Minimumentry 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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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 and Renewable Energy student***

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For more information on our courses visit www.ait.ie/al711

Bachelor of Engineering in Mechanical Engineering and Renewable Energy

Engineering *(Common Year)*

Course Highlights

Further Study

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 Automation and Robotics

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 Automation and Robotics 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 Automation and Robotics is the course for them, while others may feel that a Mechanical Engineering qualification will provide a strong foundation for an interesting and successful career, with others having a passion for Renewable Energy.

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 in Mechanical Engineering may be employed as technicians within, for example the medical devices, pharmaceutical, ICT, automotive sectors or precision engineering sectors.

Automation and Robotics graduates receive a more specific training in electronics automation and mechanical engineering that qualifies 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?

Engineering Science, Mechanics, Materials and Processing, Eng Workshop, Drawing and Cad 1, Communications and Computer Applications, Mathematics.

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.

Industry Partners

mergon

Code - **AL713**
Level - **7**
Duration - **3 years**

Cut-off CAO points:
245

Course award:
Bachelor of Engineering

Department:
Polymer, Mechanical & Design

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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***

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For more information on our courses visit www.ait.ie/al713

Bachelor of Engineering (Common Year)

Innealtóireacht Mheicniúil

Mechanical Engineering *(Add-on)*

Course Highlights

Further Study

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, or 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
- Energy Management
- Project Management

In recent years, all of the graduates of this programme have obtained employment within six 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.

Industry Partners

mergon

Add-on Course

Level - 8

Duration - 1 year

Course award:
Bachelor of Engineering (Hons)

Department:
Polymer, Mechanical & Design

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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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***

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

Uathoibriú agus Róbataic

Automation and Robotics

Course Highlights

Professional Accreditation

Further Study

Why take this course?

Automation and Robotics 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. Automation and Robotics 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 Automation and Robotics could be for you. AIT, with its €38 million engineering building, is ideally placed to take you to the next level.

What will I experience?

During 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 an automation and robotics final year project, working with a group of your peers to design and construct a working automation and robotics 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 automation and robotics 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

Engineering Science, Mechanics, Materials and Processing, Engineering Workshop, Drawing and CAD, Communications and Computer Applications, Mathematics.

Year 2

Instrumentation, Mechanics, Electronics Technology, Engineering Economics, Computer Aided Design, Control and Power Technology, Electrical Technology, Mechatronics Practice, Computer Technology, Mathematics.

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 Automation and Robotics, you are eligible to apply to Engineers Ireland to use the registered professional title of Associate Engineer.

Further study

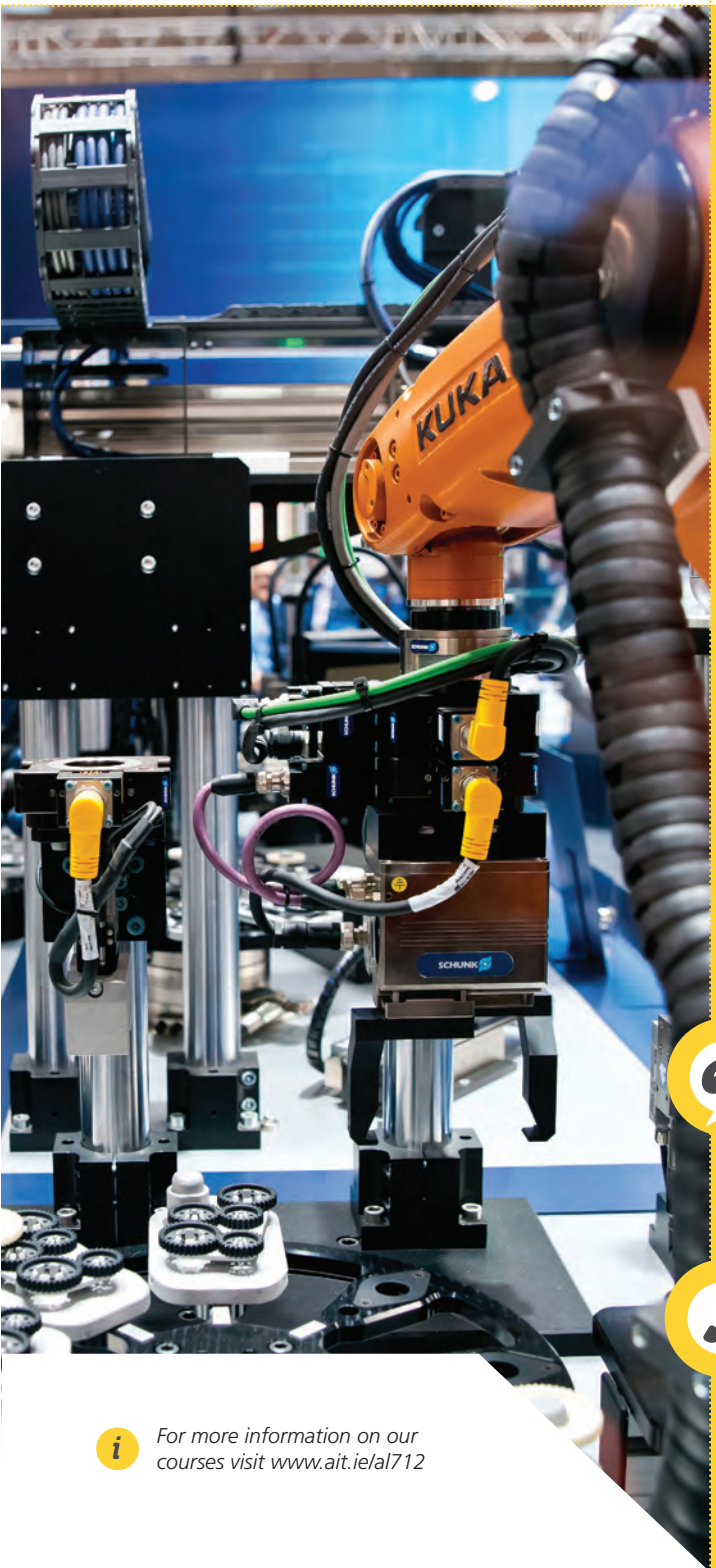
One year of further study at AIT can lead to an honours degree in manufacturing technology (level 8), which will allow employment as a graduate engineer.

Industry Partners

mergon ALEXION

Code - AL712
Level - 7
Duration - 3 years

New Course



Cut-off CAO points:
New

Course award:
Bachelor of Engineering

Department:
Polymer, Mechanical & Design

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively 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, Automation and Robotics student

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For more information on our courses visit www.ait.ie/al712

Bachelor of Engineering in Automation and Robotics

Teicneolaíocht Déantúsaíochta

Manufacturing Technology *(Add-on)*

Course Highlights

Work Placement

Further Study

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 optimisation, 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 the 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 18 & Sat 19 October 2019
Book your place now at
www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Engineering (Hons)

Department:
Polymer, Mechanical & Design

Minimum entry requirements:
Bachelor of Engineering in Automation and Robotics or Mechanical Engineering or an equivalent level 7 qualification.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

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***

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

Bachelor of Engineering (Hons) In Manufacturing Technology (Add-on)

Dearadh le Nuálaíocht Táirgeadh

Design with Product Innovation

Course Highlights

Work Placement

Further Study

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 with Product 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 AIT. 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

This 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

This 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

This pillar develops problem-solving and creative thinking through analysis and solution of problems in both two-dimension (2D) and three-dimension (3D) graphics. Graphics and design are communicated using a variety of media, including computer-aided design (CAD).

The Make Lab

This pillar provides opportunities to build interactive systems to solve problems in human-centred design and engineering.

Students 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 the user journey including 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 recognise 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.

Examples of recent vacancies advertised by leading companies in this field include:

- 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
Innovation Practice: Ideation
Design Studio - Introduction to Visual Language
Introduction to Research & Learning
Design and Communication Graphics
Intro to Fabrication Lab

Year 1 - Semester 2
Usability Research Techniques
Design for User Interface Programming
Innovation Practice: Visualisation
Prototyping 1

Industry Partners

ALEXION

Code - AL862
Level - 8
Duration - 4 years

New Course

Year 2 - Semester 3
Design Studio - Working Methods
Technology for Design 2.1
Usability Research Techniques
Proof of Concept

Year 2 - Semester 4
Design Studio in Context & Professional Practice
System and Services Design
Technology for Design 2.2
Prototyping 2

Year 3 - Semester 5 and 6
Work Placement Preparation
Live Industry Project
Work Placement

Year 4 - Semester 7
Design Studio: Innovation The Designer As Entrepreneur
Integrated Capstone Project Proposal
Integrated Capstone Project (Design/ User & Behaviour Studies)
Systems and Project Management
Professional Practice in Personal Promotion

Year 4 Semester 8
Integrated Capstone Project (Tech Comms & Make Lab)
Integrated Capstone Project, Critical Reflection
Business for Designers
3D Modelling & CAD
Cyber Psychology and Behaviour

Work placement

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

Cut-off CAO points:
New

Course award:
Bachelor of Arts (Hons)

Department:
Polymer, Mechanical & Design

Minimum entry requirements:
Leaving Certificate applicants Grade H5 at higher level in 2 subjects plus Grade O6/H7 in four other subjects, including a language (English or Irish). Maths requirement is Grade O5/H6.

QQI:
QQI applicants to this programme must possess a minimum of three distinctions as well as a pass with merit grade in maths or LC maths at O5/H6.

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

Bachelor of Arts (Hons) in Design with Product Innovation

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

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Animation and Illustration

Course Highlights


Portfolio Required


Work Placement


Further Study

Why take this course?

This programme is unique to AIT. 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?

There has been 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. While still niche industries, these sectors are growing with a host of successful homegrown animated artists and series, feature films and co-productions. Ireland has talented and technically sophisticated 2D and 3D studios creating and producing content for advertisement, TV, film, games, mobile and apps.

What will I study?

Year 1 - Semester 1
Explorative Illustration 1
Explorative Animation 1
Explorative Drawing 1
Explorative Practice - Ideation
Creativity in Context 1

Year 1 - Semester 2
Explorative Illustration 2
Creativity in Context 2
Explorative Drawing 2
Explorative Animation 2

Year 2 - Semester 3
Practice in Context
Studio Drawing 1
Narrative & Script Writing
Studio Illustration 1
Studio Animation 1

Year 2 - Semester 4
Theory into Context: Themes
Studio Illustration 2
Studio Animation 2
Studio Drawing 2
Placement Preparation

Year 3 - Semester 5
Advanced Illustration
Advanced Animation
Advanced Narrative & Scriptwriting
Theory into Context: Critical Issues

Year 3 - Semester 6
Placement

Year 4 - Semester 7 & 8
Advanced Drawing
Project Proposal
Dissertation Proposal
Final Project
Dissertation

Work placement

In year 3, students undertake a five-month placement between early January and late June.

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 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.

WhatsApp Us

*Message us on WhatsApp for any queries on **085 8875177***

Code - AL861
Level - 8
Duration - 4 years

Open Days

Fri 18 & Sat 19 October 2019
Book your place now at www.ait.ie/openday

Course Interactive Open Day

Saturday 25 April 2020

Campus Tours

Contact our student recruitment team to organise a tour of our award winning campus. Call: 090 646 8136 or Email: dseery@ait.ie

Cut-off CAO Points:
615*

Course award:
Bachelor of Arts (Hons)

Department:
Polymer, Mechanical & 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, a portfolio presentation is required. For more information see p.241**

QQI:
QQI applicants to this programme must hold one of the following awards: Art, Craft, and Design (5M1984), Art (5M1985), Graphic Design (5M1995), Multimedia Production (5M2146) or Creative Media (5M5048). Distinctions are required in 3 modules. *For all applicants, portfolio presentation is required.

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

Bachelor of Arts (Hons) in Animation and Illustration

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

Portfolio Requirements

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 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 five to ten 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 submit a portfolio of their selected work. This can be submitted in the traditional manner or in digital format. Digital work must be submitted online through to eng@ait.ie.

Assessment Requirements

Graphic Design

Applicants can choose to be assessed via one of the following option:

1. Applicants must submit three pieces of work on the Assessment day(s). Candidates can submit the work electronically on the Assessment day(s), if they are unable to attend in person.

Or alternatively

2. Applicants may choose to attend an applied project day(s). Applicants who choose to attend the applied project day(s) will be issued with a project brief in advance. The project day will consist of a 90 minute workshop followed by on-site completion of an applied project during a period not exceeding three hours. The resultant project will subsequently be assessed.

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. Such applicants should apply through the CAO system, they will be required to comply with 1. Or 2. above and to attend an interview at AIT as part of the selection process.

Dearadh Grafaic

Graphic Design

Course Highlights

Work Placement

Further Study

Assessment Required

Why take this course?

As one of the top Graphic Design courses in Ireland the BA in Graphic Design programme at AIT will provide you with a unique and exciting educational experience while learning to become a designer. Built on a legacy of over 40 years of art and design at AIT your creative talents will be nurtured by a team of lecturers who are passionate about their field. Within each design studio you will have your own designated work space where you will receive one to one tuition from staff who want your experience to be the very best and who understand that design learning must be tailored to the student's distinctive creative flair and interests. You'll be encouraged to follow your passion and to develop your style. At the same time, you will be exposed to a host of new exciting disciplines and skills that will enhance and inform your work. Using design and critical thinking you'll learn how to generate ideas and visually communicate creative design solutions. Over your design education journey, supported by committed staff, you will grow into a designer with an individual voice who can think for themselves and visually communicate their ideas in their work.

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 experience?

The theme of the first year is Fundamentals and these fundamentals are introduced and explored across the areas of Core Design, Typography, Photography, Illustration, Print Making, Creative Thinking, Visual Exploration, Professional Practice, Design Software and Visual Culture & Contextual Studies.

Year 2 builds strongly on this learning and the theme of this year is Design Development. There is a focus on the integration of creative and strategic thinking; form and content; integrating type and image; moving image and visual storytelling. The learning in visual communication through typography, photography, illustration etc is underpinned with case studies and project work. Visual Culture & Contextual Studies reinforces the Year 2 theme by examining the cultivation of ideas in art and design in the 20th century and its influence on contemporary graphic design.

In the second semester, you will undertake a placement for one day each week for a period of 12 - 14 weeks. Students benefit hugely from this first hand industry experience and the valuable insight into the design profession that it provides. The industry links made on placement combined with the learning gained in client contact and professional project deadlines have meant that the placement module has become a real confidence builder for students as they prepare to enter year three.

The theme of third year is Live Focus whereby a contextual understanding of design as an outwardly focused activity is practiced. This develops your ability to visually communicate to an intended audience through design, typography, illustration, motion design etc. Year 3 brings an increase in skills and confidence that enables you to become a more independent practitioner of design. The Visual & Contextual Studies module underscores the creative studio activity.

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 digital design studios, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second level, PLC and third level courses.

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 3 Placement Preparation
- 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 5,
- Professional Practice in Collaborative Environments
- Studio Live Design
- Major Design Project
- Professional Practice in Personal Promotion
- Visual Culture & Contextual Studies 6

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Message us on WhatsApp for any queries on ***085 8875177***

Code - **AL763**
Level - **7**
Duration - **3 years**

Work placement

In the second semester of year two, you will undertake a placement for one day each week for a period of 12 - 14 weeks. 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 digital design studios, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second, PLC and third level courses.

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, or the Bachelor of Arts (Hons) in Graphic Design, subject to end of year results at AIT or related level 8 programmes at other third-level institutions.

Graduate Profile

Name: Ailish O'Neill
Position: Bachelor of Arts in Graphic Design

"Graphic design is such a broad subject, you can specialise in illustration, photography or any of the many other technical aspects. Over the course of your degree, you'll be given briefs that will help you discover what your strengths and weaknesses are. You'll be encouraged to innovate in ways you never even thought possible and you'll learn a lot about yourself in the process. If you have a creative flair and a passion for design, then this course is for you!"

designatait

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

Cut-off CAO points:
626*

Course award:
Bachelor of Arts

Department:
Polymer, Mechanical & 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, a assessment is required. For more information see p.242**

QQI:
Any QQI level 5 qualification is acceptable.

Mature applicants:
Mature Applicants are not required to meet the minimum entry requirements. However, such applicants should apply through the CAO system, they will be required to comply with 1 OR 2 above and to attend an interview at AIT as part of the selection process.

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
Breda Lynch
Head of Department of Polymer, Mechanical & Design
Tel: +353 (0)90 6483041
Email: blynch@ait.ie

Dearadh Grafach agus Digiteach

Graphic and Digital Design

Course Highlights


Assessment Required


Work Placement


Further Study


Live Project

Why take this course?

As one of the top Graphic Design courses in Ireland the BA (Hons) in Graphic and Digital Design programme at AIT will provide you with a unique and exciting educational experience while learning to become a designer. Built on a legacy of over 40 years of art and design at AIT your creative talents will be nurtured by a team of lecturers who are passionate about their field. Within each design studio you will have your own designated work space where you will receive one to one tuition from staff who want your experience to be the very best and who understand that design learning must be tailored to the student's distinctive creative flair and interests.

You'll be encouraged to follow your passion and to develop your design process through research and experimentation. At the same time you will be exposed to a host of new exciting disciplines and skills that will enhance your critical and theoretical thinking to help you to advance your skills as a conceptual and strategic graphic designer. Over your design education journey, supported by committed staff, you will grow into a designer with broad knowledge and an informed world view, who can deconstruct communication problems, conceptualise and execute resolutions, and who can articulate and confidently present your creative work.

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 experience?

The theme of the first year is Fundamentals, and these fundamentals are introduced and explored across the areas of Core Design, Typography, Photography, Illustration, Print Making, Creative Thinking, Visual Exploration, Professional Practice, Design Software and Visual Culture & Contextual Studies.

Year 2 builds strongly on this learning and the theme of this year is Design Development. There is a focus on the integration of creative and strategic thinking; form and content; integrating type and image; moving image and visual storytelling. The learning in visual communication though typography, photography, illustration etc is underpinned with case studies and project work. Visual Culture & Contextual Studies reinforces the Year 2 theme by examining the cultivation of ideas in art and design in the 20th century and its influence on contemporary graphic design.

In the second Semester you will undertake a placement for one day each week for a period of 12 - 14 weeks. Students benefit hugely from this first hand industry experience and the valuable insight into the design profession that it provides. The industry links made on placement combined with the learning gained in client contact and professional project deadlines have meant that the placement module has become a real confidence builder for students as they prepare to enter year three.

The theme of third year is Live Focus whereby a contextual understanding of design as an outwardly focused activity is practiced. This develops your ability to visually communicate to an intended audience through design, typography, illustration, motion design etc. Year 3 brings an increase in skills and confidence that enables you to become a more independent practitioner of design. The Visual & Contextual Studies module underscores the creative studio activity.

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 digital design studios, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second level, PLC and third level courses.

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 3 Placement Preparation
- 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 5

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Code - **AL863**
Level - **8**
Duration - **4 years**

- Professional Practice in Collaborative Environments
- Studio Live Design
- Major Design Project
- Professional Practice in Personal Promotion
- Visual Culture & Contextual Studies 6

Year 4

- Design for Time based Media
- Experience Design
- Theory to Practice
- Live Studio
- Final Project
- Theory to Showcase

Work placement

In the second semester, you will undertake a placement for one day each week for a period of 12-14 weeks. 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 digital design studios, advertising agencies, publishing houses, printing, the arts, the film and television industries and in teaching roles in second, PLC and third level courses.

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

Cut-off CAO points:
703

Course award:
Bachelor of Arts

Department:
Polymer, Mechanical & Design

Minimum entry requirements:
Grade H5 in two subjects, plus Grade O6/H7 in four other subjects in the Leaving Certificate examination. Two of these subjects must be Mathematics and a language (English or Irish).

***For all applicants, a assessment is required. For more information see p.242**

QQI:
QQI applicants to this programme must hold one of the following awards: Art, Craft, and Design (5M1984), Art (5M1985), Graphic Design (5M1995), Multimedia Production (5M2146) or Creative Media (5M5048). Distinctions are required in 3 modules. *For all applicants, portfolio presentation is required.

Mature applicants:
Mature Applicants are not be required to meet the minimum entry requirements. However, such applicants should apply through the CAO system, they will be required to comply with assessments and to attend an interview at AIT as part of the selection process.

Bachelor of Arts (Hons) in Graphic Design

designatait

For more information on our courses visit www.ait.ie/al863

Contact Us
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Email: blynch@ait.ie

Dearadh Grafach agus Digiteach

Graphic and Digital Design *(Add-on)*

Course Highlights

Further Study

Live Project

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 enhance students' theoretical and design thinking that underpins their 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 is 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
Aims to build creative ability and technical know-how in the practice of Motion Graphics, Audio and Video, Animation and Scriptwriting.

Experience Design
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
Combines design theory with design practice from within the studio. Each student will produce a Portfolio that will contain critical context reports detailing their studio project work. The designed document will demonstrate both in content and form the learners advanced understanding of theory within a graphic and digital design context. The Portfolio will embody the integration of work from their studio modules which reflect upon and articulate their studio practice.

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

Final Project
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
Each student will produce a Portfolio that will contain critical context reports detailing their studio project work. The designed document will demonstrate both in content and form the learners advanced understanding of theory within a graphic and digital design context. The Portfolio will embody the integration of work from their studio modules which reflect upon and articulate their studio practice.

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Add-on course

Level - 8

Duration - 1 year

Course award:
Bachelor of Arts (Hons)

Department:
Polymer, Mechanical & 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.

How to Apply:
Applications are made online between 1 February and 1 June. Contact admissions@ait.ie for details.

**External students can transfer to add-on programmes provided that their previous qualifications meet AIT's entry requirements.*

Student testimonial
"Athlone Institute of Technology is a fantastic college with state-of-the-art facilities and invested and committed staff. This course will furnish you with the skills needed to have a successful career in Design. This course has provided me with so many opportunities, from art exhibitions and showcases to getting to meet some of the country's top graphic and digital design talent. Your future is in safe hands with AIT." ***Michael O'Riordan, Junior Designer, Minerva Schools at KGI (San Francisco)***

Contact Us
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Head of Department of Polymer, Mechanical & Design
Tel: +353 (0)90 6483041
Email: blynch@ait.ie

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

Innealtóireacht Fuaim agus Ceol

Music and Sound Engineering

Course Highlights

Work Placement

Further Study

Why take this course?

Have you thought about a career in the music industry? Athlone Institute of Technology exclusively offers an industry focused program that features Sound Engineering, Instrument Technology, Imaging and Professional Development to create the unique Bachelor of Science in Music and Sound Engineering, Level 7 (MASE).

As a MASE 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 other creative studies that are all necessities for the creative industry. This diversity aims to give graduates of the 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 pre-requisite, so MASE is suitable for all candidates. There are diverse creative modules on offer that cover everything from sound engineering to radio broadcast production and sound for film & television and video & animation development, to work placement and communications modules that unlock the core principles required to craft your own successful career.

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.
- Collaborate with marketing, design and animation 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 professional development concepts required to work in the private or public sector.

What will I learn?

The careful balance of theory and practical work within the 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 and sound engineering requires graduates to have a very driven attitude and to most likely have a blended income portfolio i.e. to have a number of different revenue streams from different work within the industry. It is not an industry that seeks out qualified 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 MASE course aims to instil in all graduates.

On completion of the course, you will have experienced the required practical and theoretical knowledge to be able to apply yourself to the positions below:

- Recording Studio Assistant Sound Engineer
- Assistant Live Sound Engineer
- Assistant Broadcast Sound Engineer for Radio & TV
- Foley Artist
- Audio Visual Technician
- Video Game Audio Technician
- Multi-Media Sound Designer
- Instrument Building & Maintenance Technician
- Music Entrepreneur
- Assistant Acoustician
- Event Coordinator

What will I study?

Year 1

You will be introduced to the core concepts of working with computer based sound engineering, live sound engineering, wood working & instrument manufacture and to the importance of working with audio and visuals in a creative industry.

Modules in Year 1 include:

- Sound Engineering 1
- Instrument Technology 1
- Music Appreciation
- Music & Production
- Music Marketing
- Video and Animation Development
- Learning & Development for Higher Education

Year 2

This year builds on the core concepts from year 1. As a Year 2 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.

WhatsApp Us

Message us on WhatsApp for any queries on ***085 8875177***

Code - AL718
Level - 7
Duration - 3 years

New Course

Modules in Year 2 include:

- Sound Engineering 2
- Instrument Technology 2
- Digital Audio
- Entrepreneurship for MAIT
- Accounting for MAIT
- Economics and the Entertainment Industry
- E-Business

Year 3

Over the course of year 3 new topics such as radio, video game audio and room acoustics will be introduced to students and as a Year 3 student, you will engage with a real industry work setting during the first semester when you go out on work placement.

Modules in Year 3 include:

- Sound Engineering 3
- Acoustic Technology
- Music Technology
- Image Creation and the Moving Image
- Engineering Science
- Work Placement

Further study

Holders of the qualification are eligible to apply to join a similar level 8 programme at another third level education location.

Career prospects

On completion of the BSc in Music and Sound Engineering, Level 7, you will be qualified to assume an assistant position in sound engineering, instrument technology or business sectors of the music and related industries. The following positions should be typical: Assistant Recording Studio Sound Engineer, Assistant 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, Assistant Acoustician 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.

For more information on our courses visit www.ait.ie/al718

Cut-off CAO points:
NEW

Course award:
Bachelor of Science

Department:
Polymer, Mechanical & Design

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 either module mathematics (5N1833) or Maths for IT (5N18396) or Maths for STEM (5N0556) or alternatively have Leaving Certificate mathematics.

Contact Us
Breda Lynch
Head of Department of Polymer, Mechanical & Design
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Email: blynch@ait.ie

Bachelor of Science in Music and Sound Engineering

Access & Foundation Programmes

The Foundation Certificate provides an ideal base if you wish to return to study after a break in your educational experience or if you have not benefited fully from, or had access to, previous educational opportunities.

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 are 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 or 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 into 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.

For 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.

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 AIT.

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 AIT.

For further information/application, contact the 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 AIT and Student Support Network

At AIT, you will experience support from every corner. If you are feeling overwhelmed or confused, reach out. Aside from AIT's amazing support facilities, you will find supportive lecturers, classmates and teammates."

Daniélle Beukes, Social Care Graduate

Student Resource Centre

Our student-centric approach to education and development is underpinned by our fantastic Student Resource Centre.

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 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 in 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 seven week programme of activities is offered to first year students to help ease the transition to third level.

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 previous 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 on your CV, on application forms, at interview and on 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 at 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 expo. Students are also offered ample opportunity to fine-tune their job hunting skills with careers bootcamps, Linked-In workshops, in-class presentations and one-to-one career and further study guidance.

AIT Connect

AIT Connect helps you find your feet, meet new friends and settle in to college life.

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 and 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.

Note: 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.

Your Health

Healthy campus

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 about their health and adapt healthy habits while in college.

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 medical care to registered students and apprentices in a confidential, professional and courteous manner. Our service is nurse-led and provides both physical and mental health services as well as health promotion and supportive measures to assist you in ways that keep you committed to your studies. Services are available from Monday to Friday throughout the academic year and are provided as an addition to your own GP or specialist medical service.

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 Psychological Counsellors in higher Education Ireland (PCHEI) Code of Ethics and Practice. This means that your personal details are not disclosed to anyone outside of the service without your express 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 or 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 AIT.

"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 a cost-free assessment when you are sick". Paul Moore, 2nd Year Student.

Your First Year

To help you in your transition to 3rd level, we have developed a range of supports, workshops and events which we call AIT Connect. This programme kicks off with New Student Induction and is followed by tailored supports designed to help get you off to a flying start in your first few weeks here. Follow the AIT Student Resource Centre and the AIT Students' Union on Facebook to hear more about what is in store. You will also meet designated AIT Connect Snapchatters for each faculty at your New Student Induction who will be available to answer questions all throughout your first seven weeks.

Week 1 beginning 9 Sept

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. We have 60+ clubs and societies on offer in AIT. Clubs Day takes place on the 13th of September in the Multi Purpose Hall.

Week 2 beginning 16 Sept

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 Freshers' Week which is being hosted by your Students' Union, and Societies Day takes place on the 18th in the Students' Union. There will be something for everyone!

Week 3 beginning 23 Sept

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 30 Sept

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 7 Oct

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 in 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 14 Oct

Mind yourself week. We are big on wellness and mental wellbeing 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 21 Oct

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.

AIT
TOBACCO FREE CAMPUS
Positive Change

In 2015, AIT became the first third level institute in Ireland to ban tobacco products on its campus.

AIT is 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 educational institutions completely smoke free.

The tobacco free campus provides a learning environment free of the dangers of passive smoking for our students. The Students' Union will continue to work in partnership with the institute, the Student Health Centre and the Healthy Campus Officer to promote smoking cessation and education sessions associated with this great initiative.


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Students' Union

What we do

The Students' Union provides support, advice and information on a wide variety of issues and represents students throughout AIT. 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 recognised 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)90 646 8067 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
Áine Daly

Deputy President for Education & Communications
John Devine

Vice President for Welfare & Accommodation
Mary Doyle

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 organisations.

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.

Entertainment

The Union also provides a great mix of entertainment throughout the year. The entertainment service is an essential element of 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.

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

Education

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.

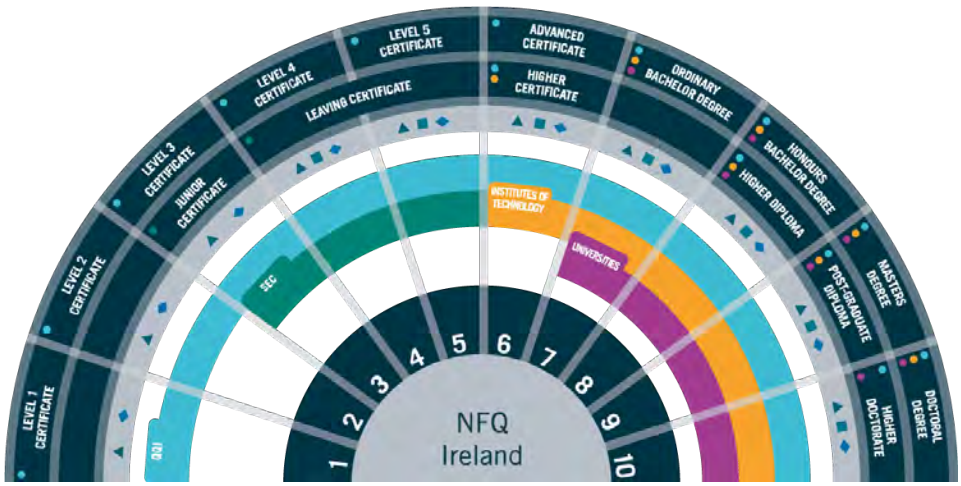
Leap Card

From 2nd of September 2019, we will now be a leap card agent for the students and the general public.

Information/contact details

For more information, please call into our new state-of-the-art facility in the John Count McCormack building in AIT. 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 honours 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 specialisations in your chosen area of study. Progression charts for specific courses within each faculty 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* bachelor's degree, you receive that qualification on successful completion of the relevant 3 or 4-year programme. Many of the courses at AIT 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 students. The National Framework of Qualifications provides a level for every award made in its jurisdiction, which are as follows:

- Awarding bodies/course accreditation
- Modularisation
- 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

Entry dates for CAO applications September 2020

Closing date: 1 February 2020
Late closing date: 1 May 2020
Change of mind date: 1 July 2020
Exceptional change of mind applicants: Closing date 22 July 2020.

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.

Notes:

- Deferred applicants on the BA (Hons) and/or BA in Graphic and Digital Design or the BA (Hons) in Animation and Illustration are not required to re-submit a portfolio of work.
- Deferred applicants (mature) for the BSc (Hons) in General Nursing and the BSc (Hons) 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 scholarship 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 Points 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 F2 meets the minimum language requirement. No points are awarded.

Foundation level mathematics at minimum grade F2 will be accepted as meeting the minimum mathematics requirements for entry to the following courses:

AL864 Bachelor of Arts (Hons)in Early Years Care and Education
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
AL863 Bachelor of Arts (Hons) in Graphic and Digital Design

Scoring system for foundation level mathematics

Points	Points
F1	20
F2	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 AIT.

New Common Points 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.

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 2020 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, Heath 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 AIT.

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 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. A certified English translation of qualifications not issued in English, must be supplied. Applications will not be considered without the appropriate certificates.

Mature applicants

AIT 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)

AIT 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 2020.
2. Apply to CAO by 5.15 p.m. on 1 February 2020.
3. No later than 5.15 p.m. on 1 March 2020, 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 15 March 2020.
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 15 March 2020.

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.

*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 2020.

More Information on DARE is available from your school guidance counsellor or AIT's Disability Support Service Co-ordinator, 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.

Higher Education Access Route (HEAR)

HEAR is a college and university admissions scheme for school leavers from socio-economically disadvantaged backgrounds who have completed the Irish Leaving Certificate. Eligible students compete for a quota of reduced points places in the colleges involved with HEAR. Students who gain a college or university place through HEAR also get a range of personal, academic and social supports while they are studying at third level.

Eligibility to apply for HEAR

HEAR is for school leavers under the age of 23 as of 1 January of year of entry to college who are resident in the Republic of Ireland. HEAR applicants must meet a range of financial, social and cultural indicators to be considered for a reduced points place and extra college support. For more information, please visit the HEAR website: http://accesscollege.ie/hear. Applications to HEAR can only be made online through the CAO before February 1.

AIT's Entry Requirements for a reduced points place:

- Be eligible for HEAR,
- Meet AIT's minimum entry (matriculation) requirements,
- Meet any specific entry requirements for the course you are applying for,
- Achieve at least 90% of the Leaving Certificate points required for the course applied for,
- Being eligible for HEAR does not guarantee you a reduced points place,
- Admitted students may also be subjected to AIT and, where applicable, professional fitness to practice policies.

How to apply to HEAR

Students wishing to apply to HEAR should do so online through the CAO website by 1st February of the year of entry to college.

The HEAR offer process

Each college participating in HEAR sets aside a quota of places for HEAR students each year. In AIT, 15% of places are reserved for non-traditional students i.e., socioeconomically disadvantaged, mature students and students with a disability. Therefore, on average HEAR students compete for 5% of reserved places in AIT. Students who are on or above the entry points are deemed to be merit candidates and automatically receive a AIT HEAR offer – this does not affect the quota for reduced points places.

Prioritisation of applicants eligible for both DARE and HEAR

In an effort to widen participation of the most under-represented groups, AIT prioritises applicants who are eligible for both DARE and HEAR entry routes and have met all the above criteria.

Response to your application

In the last week of June, the CAO will email you directly to let you know if you are eligible for HEAR. There is a Recheck facility if you feel there was an administrative error. You will receive details of the Recheck in late June of the year of your application.

If your application is successful, the AIT Access Office will be in contact with you by email after you have accepted your CAO offer with details of your compulsory HEAR orientation.

Supports available to HEAR students

Along with existing Student Support Services, the Access Office will endeavour to provide academic, personal and social supports to students. In addition, you should apply separately for the Higher Education Maintenance Grant through SUSI at https://susi.ie.

Closing dates:

Completed Application Form: 1 February each academic year as part of your CAO application. Financial Documentation in Support of your Application: 15 March each academic year, to be submitted to the CAO.

To find out more information about the HEAR scheme, please visit: http://accesscollege.ie/hear or contact Theresa Ryan, Access Officer. Email: access@ait.ie, Tel: +353 (0)90 646 8123.

Money Matters

Third-level education can be expensive. 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 (2019/2020). For students who have been awarded a grant or part thereof, this fee is paid pro-rata on their behalf. All other full-time students can pay this fee in full by 30 October or in two instalments by 30 October and 20 January. Payment can be made online at www.ait.ie – follow "quicklinks" and "Pay Registration 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 make payment in full by published institute deadlines, see- https://www.ait.ie/life-at-ait/registry/Fees for details.

A limited number of programmes also attract a course specific fee, details are available at https://www.ait.ie/life-at-ait/registry/Fees.

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 AIT 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 AIT 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, or contact the Fees and Grants Office.

Sports scholarships

AIT awards 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. A fund to assist such students is operated by the Student Assistance Fund Committee, administered by AIT'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.

1916 Student Bursary

The 1916 Bursary is available to socio-economically disadvantaged undergraduate students commencing third level education for the first time in September. Successful applicants will be funded for the duration of their programme of undergraduate study. This is a targeted funding scheme established by the Department of Education and Skills to support the implementation of the National Plan for Equity of Access to Higher Education 2015-2019. The National Access Plan is working to increase the numbers of students who are currently underrepresented in higher education. Students may only apply for consideration after registering as a student of AIT. Details of how to apply will be available on the AIT website

Important dates for applicants

All year

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.

Campus visit & school tours – Individual & Group. Contact our student recruitment team to schedule a visit.

September 2019

CAO 2020 application packs delivered to schools

October 2019

AIT Open Day – Friday 18 and Saturday 19 October 2019 - Free to attend. See website for details

Information Briefing for School Principals & Guidance Counsellors- Tuesday 1 October - See our website for more details

November 2019

CAO online application facility opens on 5 November at 12:00 noon

Change of Course Choices (free) facility opens on 5 November at 12:00 noon

January 2020

Ask AIT: CAO Information Evening – Wednesday 15 January 2019 – Free to attend. See website for details

Discounted application fee (€30) available up to 20 January at 5:15pm

February 2020

Normal closing date for applications is 1 February at 5:15pm

Online Change of Course Choices (free) facility closes 1 February at 5:15pm

Online facility to amend course choices becomes available (€10 fee) on 5 February at noon

March 2020

Closing date for amending course choices is 1 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 1 March at 5:15pm

Closing date for completion of Mature Applicant section of CAO form is 1 March at 5.15pm

Late application facility opens on 5 March at 12:00 noon

DARE/HEAR supporting documentation to arrive in CAO before 15 March at 5:15pm

April 2020

Most tests and interviews for Restricted Courses are held in March and April

AIT Course Interactive Open Day – Saturday 25 April 2020

May 2020

Closing date for late applications is 1 May at 5:15pm

Online Change of Mind (free) facility becomes available on 5 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 2020

AIT Summer School: June 8 – 12 June 2020

Leaving Certificate examinations

July 2020

Change of Mind Closes on 1 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 22 July at 5:15pm

August 2020

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 19 August (expected date)

HEIs begin registration

September 2020

HEIs begin registration

Results of Leaving Certificate appeals released (date to be confirmed)

Offer season ends (date to be confirmed)

*Important AIT dates in yellow

Important Contact Details

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W: www.ait.ie

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Student Recruitment & Campus Tours
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Students' Union - Accommodation Assistance
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Send your questions to
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Facebook

Contact us via Messenger

Instagram

Send us a DM @athloneit

Email

Email us at askus@ait.ie

Ireland's European Structural and Investment Funds Programmes 2014-2020
Co-funded by the Irish Government and the European Union

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